

## ANNEX R – PASSPORT

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## SECTION A. Project Title

Title: 10MW Adares Wind Power Project

Date: 31.12.2014

Version no.: 01

## SECTION B. Project description

YGT Elektrik Üretim A.Ş.. (hereafter referred to as “project proponent” or “YGT”) is targeting to build a 10 MW wind energy power plant (hereafter referred to as the “project”) in Selçuk, about 81 kilometres south of the city İzmir.

The proposed project activity received an operating license by the Energy Market Regulatory Authority (EMRA) on 12.05.2011. The commencement date of construction of the facility is Q3 2014 and the estimated start of operation of the facility is Q2 2015.

The proposed project activity will reduce greenhouse gas (GHG) emissions by using electricity from a renewable energy source instead of a fossil fuel and therefore displacing electricity which otherwise would have been generated by thermal power plants connected to the national grid. Thus, the proposed project activity is estimated to generate 24.791 MWh of net electricity per year and 14.918 tons of CO<sub>2</sub> emissions, which are harmful to the climate, are expected to be reduced by this climate-friendly technology, which otherwise would have been generated by a fossil fuel power plant and released to the atmosphere.

The proposed project activity will significantly contribute to the sustainable development of the region by achieving following benefits:

- Wind energy is a renewable energy source and thus, an energy resource that is continually replenished. Therefore, wind energy is not in conflict with the availability of energy for future generations, which is true for fossil fuels.
- As compared to the business-as-usual scenario (using fossil fuel for electricity production) in Turkey, reduction of greenhouse gas emissions (GHG) including carbon dioxide (CO<sub>2</sub>) or nitrous oxide (N<sub>2</sub>O). This will positively contribute to environment and climate protection.
- In addition to that, as compared to fossil-fuel power plants, other air emissions such as sulfur dioxide or particulates will be reduced, which will improve air quality for the local people.
- Replacement of fossil fuel generation and positive contribution to the use of climate-friendly electricity generation technologies and renewable energy mix in Turkey.
- Stimulation and commercialization of the use of grid connected renewable energy technologies and markets.
- Improvement of local livelihoods by creating local employment during the construction and operation phase of the facility.

- Contribution to the decrease of Turkey's energy deficit and import dependency on fossil fuels.

The project proponent is convinced that the efficient use of wind energy will be a significant driving factor for sustainable development in Turkey, since both the scope of the created benefits and the range of the value and stakeholders' chain through the proposed project activity is very wide as compared to the BAU scenario.

The proposed project activity's contribution towards environmental, social, economic and technological development in line with Turkey's policy could be summarized as follows:

### **Environmental Development**

The main part of grid electricity is generated by use of different type of fuels which cause the emission greenhouse gases (CO<sub>2</sub>, CH<sub>4</sub>) and the other pollutants (SO<sub>x</sub>, NO<sub>x</sub>, CO, VOC and PM). Furthermore, process and transportation of these fuels also cause the emission greenhouse gases and the other pollutants. Additionally, the power plants which generate electricity by use of these fuels require high volumes of water consumption. With the proposed project activity, the consumption of these fuels will be replaced so that it will contribute to conservation of water, soil biodiversity as well as it will prevent the emission of greenhouse gases.

### **Social Development**

The project will generate local employment both in the operation and also during construction phase of wind farm. Moreover, especially during operation phase, some services and consumables will be procured from local sources that will contribute the welfare of the region. Additionally, the employees in the wind farm will be provided by the project participant with health and safety trainings and also be trained in O&M of the project equipment and units by the machinery and equipment supplier.

### **Economic Development**

The project will lead to permanent employment both in the power plant itself and also for the services outsourced. The employees, most of them being unskilled, will be fully employed in the plant and receive a social security. The project will also create part-time employment during the construction phase for construction workers, resulting in an improvement of their living conditions.

All these created jobs will have a significant impact on economic development and contribute to the economic well-being of the region.

Another benefit, related with the project activity is its positive contribution to the net foreign currency savings of Turkey related to natural gas imports by shifting some of electricity generation away from natural gas towards using internally available renewable sources. This will result in an improvement of Turkey's balance of payments and investment, and thus making more money free for the re-investment in the economic well-being of the population in Turkey.

### **Technological Development**

The proposed project activity will contribute to wider usage of wind power technology and encourage the entrepreneurs to invest in wind power plants. As a result of that, expanding market volume will lead to interest of national industrialists to the wind power technologies. Hence, this will result in technology transfer and brand new research and development activities in the national level.

Project start date: 10/10/2015

**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 type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	X
	<input type="checkbox"/>	<input type="checkbox"/>

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

Turkey

### C.3. Project Type

[See Toolkit 1.2.c and Annex C]

Please tick where applicable:

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

Please justify the eligibility of your project activity:

The project activity is a renewable energy project which makes use of wind power for electricity production. The produced electricity is delivered to the electricity distribution system.

Pre Announcement	Yes	No
Was your project previously announced?	<input type="checkbox"/>	X
Explain your statement on pre announcement  The project has not been announced to be going ahead without GS VER, prior to any payment being made for the implementation of the project.		

### C.4. Greenhouse gas

[See Toolkit 1.2.d]

Greenhouse Gas	
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Carbon dioxide	X
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	X

Pre-feasibility assessment	Retroactive projects (T.2.5.1)	Preliminary evaluation (eg: Large Hydro or palm oil-related project) (T.2.5.2)	Rejected by UNFCCC (T2.5.3)
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

If Retroactive, please indicate Start Date of project activity dd/mm/yyyy: \_\_\_\_\_

**SECTION D. Unique project identification**

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

Unit No	Latitude	Longitude
1	528034.00	4194691.00

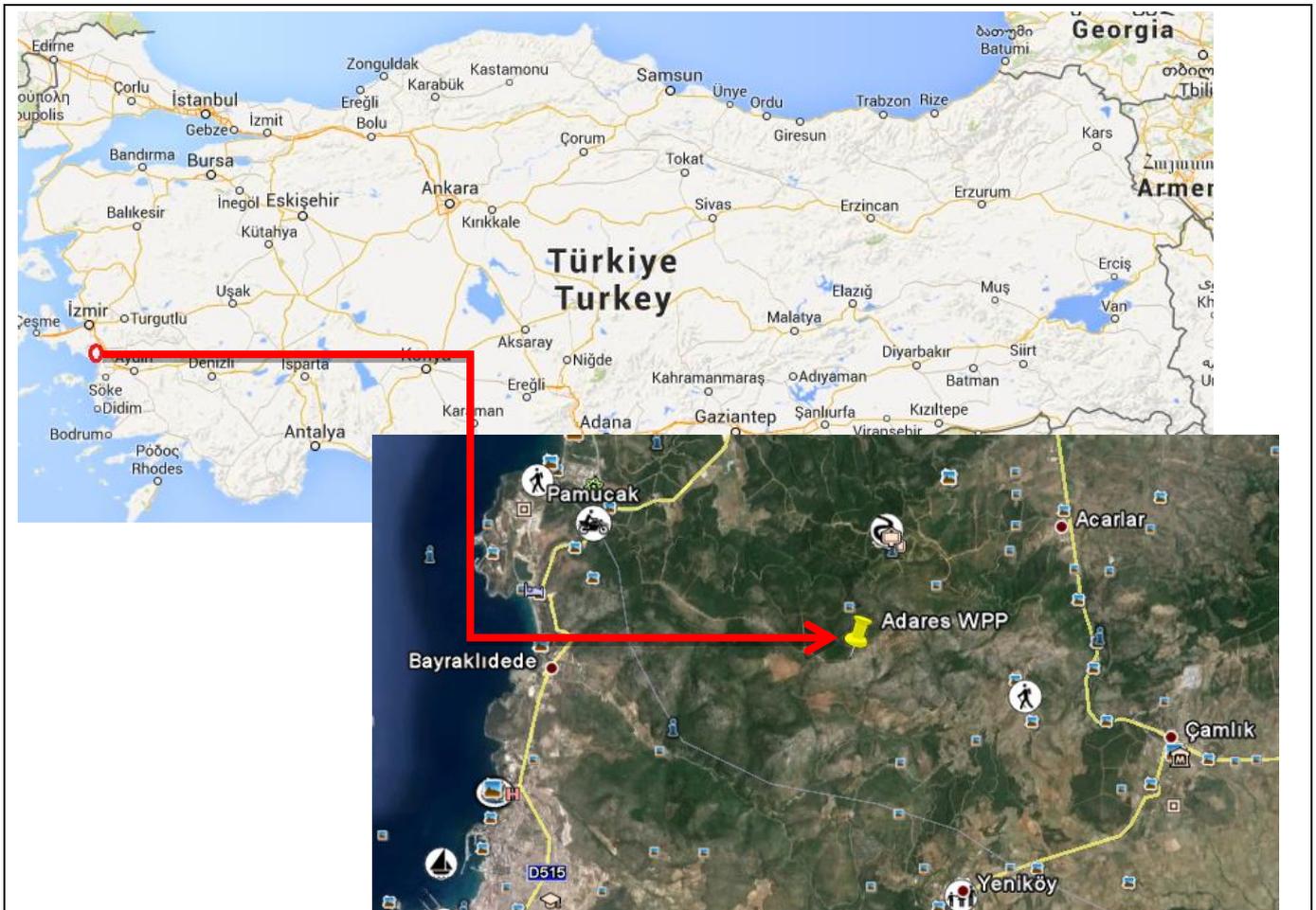
2	528375.00	4194546.00
3	528721.00	4194552.00
4	529062.00	4194828.00
5	529395.00	4194946.00



*Explain given coordinates*

The location of the proposed project is placed Çatalsan Tepe region of Selçuk, about 81 kilometres south of the city İzmir. The closest settlement areas are Sultaniye Village and Acarlar Village which are 800 m and 1450 m far from the project site, respectively.

## D.2. Map



**SECTION E. Outcome stakeholder consultation process**

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

Stakeholder comment	Was comment taken into account (Yes/ No)?	Explanation (Why? How?)
Will the facility has a radioactive effect?	Yes	Wind power plants do not have such effects. This and these kind potential effects were evaluated at the Environmental Impact Assessment application.
Can we use discounted electricity?	YES	In macro scale, it is related with the number of renewable energy facilities into operation. Yet, by law, we are not allowed to supply electricity via a transmission line to the entities who would like to buy discounted electricity.
Can you organize a daily shuttle bus service to the project area that everybody can see the facility whenever they want? By doing this, you will also create an employment opportunity for the bus drivers of the region...	NO	Since the high voltage lines will pass the project area, daily visits of the people will not be safe. On the other hand, in the construction and operation phase, some of local people will be employed.

**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.

Stakeholder feedback round will be performed soon. Results of this round will be reported in this part.

### E. 3. Discussion on continuous input / grievance mechanism

Discuss the Continuous input / grievance mechanism expression method and details, as discussed with local stakeholders.

	<i>Method Chosen (include all known details e.g. location of book, phone, number, identity of mediator)</i>	<i>Justification</i>
<i>Continuous Input / Grievance Expression Process Book</i>	<i>Continuous Input / Grievance Expression Process Book will be placed at Mukhtar Office of Sultaniye Village  Address: Sultaniye Köyü Muhtarlığı, Sultaniye/Selçuk/İzmir</i>	<i>The closest settlement to the project area is Sultaniye Village.</i>
<i>Telephone access</i>	<i><u>Representative of The Project Investor</u>  Mustafa R. Esen  +90 224 411 03 04  <u>The Gold Standard Foundation</u>  <u>Turkey Office:</u>  Z. Pınar Öztürk  0 545 780 57 81</i>	<i>In order to give feedback directly to the investor, phone number of the representative was shared and as the independent authority phone number of the representative of The Gold Standard Foundation was shared.</i>
<i>Internet/email access</i>	<i>Web: <a href="http://www.fcenerji.com.tr/">http://www.fcenerji.com.tr/</a></i>	<i>Investor company's web site and project representative's e-mail address helps to access the responsible person and get quick</i>

	<p><i>E-mail:</i></p> <p><a href="mailto:mrifatesen@fcenerji.com.tr">mrifatesen@fcenerji.com.tr</a></p> <p><i>and</i></p> <p><a href="mailto:fcenerji@fcenerji.com.tr">fcenerji@fcenerji.com.tr</a></p>	<i>response</i>
<i>Nominated Independent Mediator (optional)</i>	N.A.	N.A.

All issues identified during the crediting period through any of the Methods shall have a mitigation measure in place. The identified issue should be discussed in the revised Passport and the corresponding mitigation measure should be added to sustainability monitoring plan in section G.

## SECTION F. Outcome Sustainability assessment

### F.1. 'Do no harm' Assessment

[See Toolkit 2.4.1 and Annex H]

Safeguarding principles	Description of relevance to my project	Assessment of my project risks breaching it (low, medium, high)	Mitigation measure
<b>A Human Rights</b>			
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.	<p>The project respects internationally proclaimed human rights including dignity, cultural property.</p> <p>Turkey is a member of the United Nations (UN) and part of UN Agreement on Human Rights.<sup>1</sup></p>	Low.	Not required, i.e., the PP accepts and applies the rules in UN Agreement on Human Rights.

<sup>1</sup>[http://www.unicef.org/turkey/udhr/\\_gi17.html](http://www.unicef.org/turkey/udhr/_gi17.html)

<p>2. The project does not involve and is not complicit in involuntary resettlement.</p>	<p>The project does not involve any resettlement of people.</p> <p>This is guaranteed by the “Law on Protection of Cultural and Environmental Assets”.<sup>2</sup></p>	<p>Low.</p>	<p>Not required, i.e., the PP accepts and applies the rules in Law on Protection of Cultural and Environmental Assets.</p>
<p>3. The project does not involve and is not complicit in the alteration, damage or removal of any critical cultural heritage.</p>	<p>The project will cause neither an alteration and damage nor a removal of any critical cultural heritage.</p> <p>These issues are guaranteed by the Law on “Law on Protection of Cultural and Environmental Assets”.<sup>3</sup></p>	<p>Low.</p>	<p>Not required, i.e., the PP accepts and applies the rules in Law on Protection of Cultural and Environmental Assets.</p> <p>In addition to that, according to annex “Comments of governmental Institutions” of the PIF, the Turkish Ministry of Culture and Tourism approves that the project will cause neither an alteration and damage nor a removal of any critical cultural heritage.</p>
<p><b>B Labour Standards</b></p>			
<p>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.</p>	<p>Employees are by law allowed to form associations or collectively bargain employment conditions.</p> <p>This is guaranteed by the Trade Union Act of Turkey No. 2821.<sup>4</sup></p>	<p>Low.</p>	<p>Not required, i.e., the PP accepts and applies the rules in Trade Union Act of Turkey No. 2821.</p>
<p>5. The project does not involve and is not complicit in any form of</p>	<p>Project does not involve any form of forced or compulsory labor.</p>	<p>Low.</p>	<p>Not required, i.e., the PP accepts and applies the rules in Labor Act of</p>

<sup>2</sup><http://mevzuat.basbakanlik.gov.tr/Metin.Asp?MevzuatKod=1.5.2863&MevzuatIliski=0&sourceXmlSearch>

<sup>3</sup><http://mevzuat.basbakanlik.gov.tr/Metin.Asp?MevzuatKod=1.5.2863&MevzuatIliski=0&sourceXmlSearch>

<sup>4</sup><http://www.ilo.org/public/english/region/eurpro/ankara/download/tradeunionsact.pdf>

forced or compulsory labour.	This is guaranteed by the Labor Act of Turkey No. 4857. <sup>5</sup>		Turkey No. 4857.
6. The project does not employ and is not complicit in any form of child labour.	Project does not employ and is not complicit in any form of child labor.  This is in compliance with Article 71 “Working age and restrictions on the employment of children” of Labor Law No. 4857. <sup>6</sup>	Low.	Not required, i.e., the PP accepts and applies Article 71 “Working age and restrictions on the employment of children” of Labor Law No. 4857.
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.	The project will not accept any kind of discrimination.  This is guaranteed by Article 5 of the Labor Act of Turkey No. 4857 and ILO Convention 100&111 on “Equal Remuneration & Discrimination in Employment / Occupation”. <sup>7</sup>	Low.	Not required, i.e., the PP accepts and applies Article 5 of the Labor Act of Turkey No. 4857 and ILO Convention 100&111 on “Equal Remuneration & Discrimination in Employment / Occupation”
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.	The project owner is committed to the safe and healthy working conditions during all phases of the project. All employees will undergo medical tests and attend trainings on first aid and health & safety.  These issues are protected by Labor Law	Medium.	The project owner commits himself to ensure the safe and healthy working conditions during all phases of the project. All employees will undergo medical tests and attend trainings on first aid, health & safety as well as Emergency Response.

<sup>5</sup>[http://www.unicef.org/turkey/udhr/\\_gi17.html](http://www.unicef.org/turkey/udhr/_gi17.html); <http://www.ilo.org/dyn/natlex/docs/SERIAL/64083/63017/F1027431766/TUR64083.PDF>

<sup>6</sup>[http://www.unicef.org/turkey/udhr/\\_gi17.html](http://www.unicef.org/turkey/udhr/_gi17.html)

<sup>7</sup>[http://www.unicef.org/turkey/udhr/\\_gi17.html](http://www.unicef.org/turkey/udhr/_gi17.html); <http://www.ilo.org/ilolex/english/convdisp1.htm>

	and regulations and UN Agreement on Human Rights. <sup>8</sup>		
<b>C Environmental Protection</b>			
9. The Project takes a precautionary approach in regard to environmental challenges and is not complicit 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."	<p>The project has applied the precautionary principles.</p> <p>The environment is protected by several Laws and Regulations in Turkey. The objective of the Environmental Law No. 2872 is to protect the environment with principles of sustainable development and environment.<sup>9</sup></p>	Medium.	During the construction and operation phase of the facility, environmental impacts (dust due to excavation, solid and liquid waste from personnel, air emissions etc.) will occur. However, the project takes a precautionary approach with regard to environmental challenges. Thus, as per PIF <sup>10</sup> , all the regulations in Turkey, which entered into force with the Environmental Law No. 2872 will be followed. Thus, the project owner commits himself to manage the waste and air emissions and apply measures, which are defined in PIF <sup>11</sup> , according to the various Turkish Laws and Regulation on Environment.
10. The project does not involve and is not complicit in significant conversion or degradation of critical natural habitats,	The project does not involve and is not complicit in significant conversion or degradation of critical	Low.	According to the PIF <sup>13</sup> , the project does not involve and is not complicit in significant conversion or degradation of critical natural habitats. Thus, no

<sup>8</sup> <http://www.mevzuat.adalet.gov.tr/html/1243.html>; [http://www.unicef.org/turkey/udhr/\\_gi17.html](http://www.unicef.org/turkey/udhr/_gi17.html)

<sup>9</sup> <http://mevzuat.basbakanlik.gov.tr/Metin.aspx?MevzuatKod=1.5.2872&MevzuatIliski=0&sourceXmlSearch=>

<sup>10</sup> See Project Introduction File (PIF), page 5-17.

<sup>11</sup> See Project Introduction File (PIF), page 18-20.

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.	natural habitats. This is guaranteed by the Environmental Law No. 2872. <sup>12</sup>		mitigation measure is required.
<b>D Anti-Corruption</b>			
11. The project does not involve and is not complicit in corruption.	The project does not involve and is not complicit in corruption.  It is guaranteed by law in Turkey that no action can not involve and is not complicit in corruption. <sup>14</sup>  Turkey is a party to United Nation Convention against Corruption since 2006. <sup>15</sup>	Low.	Not required, i.e., the PP accepts and applies the rules in UN Convention against Corruption since 2006.

## F.2. Sustainable Development matrix

[See Toolkit 2.4.2 and Annex I]

Insert table as in section D3 from your Stakeholder Consultation report (Sustainable Development matrix).

Indicator	Mitigation measure	Relevance to achieving MDG	Chosen parameter and explanation	Preliminary score
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<sup>13</sup> See Project Introduction File (PIF), page 26-27.

<sup>12</sup> <http://mevzuat.basbakanlik.gov.tr/Metin.Aspx?MevzuatKod=1.5.2872&MevzuatIliski=0&sourceXmlSearch=>

<sup>14</sup> <http://www.anayasa.gen.tr/>

<sup>15</sup> <http://ua.mfa.gov.tr/detay.aspx?1504>

Gold Standard indicators of sustainable development	If relevant, copy mitigation measure from 'Do No Harm' assessment, and include mitigation measure used to neutralise a score of '-'	<p>Check <a href="http://www.undp.org/mdg">www.undp.org/mdg</a> and <a href="http://www.mdgmonitor.org">www.mdgmonitor.org</a></p> <p>Describe how your indicator is related to local MDG goals</p>	Defined by project developer	<p><u>Negative impact:</u> score '-' in case negative impact is not fully mitigated, score '0' in case impact is planned to be fully mitigated</p> <p><u>No change in impact:</u> score '0'</p> <p><u>Positive impact:</u> score '+'</p>
Air quality	N.A.	<p><u>MDG- 7: Ensure Environment Sustainability:</u></p> <p>7.A. Integrate the principles of sustainable development into country policies and programmes and reverse the loss of environmental resources.</p>	<p><b>Parameter:</b></p> <ul style="list-style-type: none"> <li>- Yearly electricity production in MWh;</li> <li>- Avoided amount of SOx and NOx;</li> <li>- Dust emissions during construction phase;</li> <li>- Emissions from construction machines during construction phase</li> </ul> <p>The project will avoid SOx and NOx emissions</p>	0

		<p>and other emission types such as PM (Particulates) or VOC , which otherwise would have been released by fossil fuel fired power plants, in the baseline. Thus, the air quality of the region, as compared to the baseline will be improved.</p> <p>However, during the construction phase a negligible amount of emission from construction machines and dust emissions during the whole construction phase will occur. These all will be managed according to “Circular Exhaust Emission Measurements”<sup>16</sup> and “Regulation on Excavation Construction and Demolition</p>	
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<sup>16</sup> <http://www.csb.gov.tr/db/denizli/icerikbelge/icerikbelge314.pdf>

			<p>Waste Control”<sup>17</sup>.</p> <p>Therefore, the project’s contribution to the improvement of the air quality for the region is considered as neutral as precautionary approach.</p>	
Water quality and quantity	N.A.	<p><u>MDG- 7: Ensure Environmental Sustainability:</u></p> <p>7.C. Reduce by half the proportion of people without sustainable access to safe drinking water and basic sanitation</p>	<p><b>Parameter:</b> N.A.</p> <p>As compared to the baseline, there will be no impact on any water resources and quality.</p>	0
Soil condition	N.A.	<p><u>MDG- 7: Ensure Environment Sustainability:</u></p> <p>7.A. Integrate the principles of sustainable development into country policies and programmes and reverse the loss of environmental resources.</p>	<p><b>Parameter:</b> N.A.</p> <p>As compared to the baseline, there will be no impact on the soil condition of the region.</p> <p>According to PIF, the project is located in a region where agriculture is not possible. It is guaranteed</p>	0

<sup>17</sup> <http://www.mevzuat.gov.tr/Metin.Aspx?MevzuatKod=7.5.5401&MevzuatIliski=0&sourceXmlSearch=>

			that soil erosion will not occur. Furthermore, the excavated soil during construction will be re-used for raising grass again.	
Other pollutants	N.A.	<p><u>MDG- 7: Ensure Environment Sustainability:</u></p> <p>7.B. Reduce biodiversity loss, achieving, by 2010, a significant reduction in the rate of loss.</p>	<p><b>Parameter:</b> N.A.</p> <p>As compared to the baseline, no other pollutants will result.</p> <p>The project will not have any negative effects on the closest settlement area, shadow flicker and electro-magnetic impacts.</p> <p>The transmission / distribution lines have no impact on destruction of vegetation nor on expropriation of land.</p>	0
Biodiversity	N.A.	<p><u>MDG- 7: Ensure Environment Sustainability:</u></p> <p>7.B. Reduce biodiversity loss, achieving, by 2010, a significant</p>	<p><b>Parameter:</b> N.A.</p> <p>As compared to the baseline, there will be no change in biodiversity (species and</p>	0

		<p>reduction in the rate of loss.</p>	<p>habitat conservation).</p> <p>In no case, the young trees and seedlings in the project area will be cut, but only removed from their place with the appropriate technology and planted in a new location nominated by the Directorate of Forestry. However, trees that cannot be disassembled and removed to another place will be cut; this will only be a negligible amount.</p> <p>The project area is not located on bird migration route.</p> <p>In the region, there are no faunal and floral species, as written and defied in the Bern Agreement 9/1/1984, which have to be protected by law. Or, in other words, all the faunal and floral species in</p>	
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			the project area, reported in detail in the PIF, are not in the list of the Bern Agreement.	
Quality of employment	N.A.	<p><u>MDG-1: Eradicate extreme poverty &amp; hunger:</u></p> <p>1.B. Achieve full and productive employment and decent work for all, including women and young people.</p>	<p><b>Parameter:</b></p> <ul style="list-style-type: none"> <li>- Number of issued certificates by the suppliers for the trainings on operation and maintenance (O&amp;M) of the project equipment and units;</li> <li>- Number of health and safety trainings;</li> </ul> <p>Health and safety trainings for all the employees will be provided by the project owner. The employees will also be trained in O&amp;M of the project equipment and units by the machinery and equipment supplier.</p> <p>These jobs will have a significant impact on job quality,</p>	+

Livelihood of the poor	N.A.	<p><b>MDG-1:</b> <u>Eradicate extreme poverty &amp; hunger:</u></p> <p>1.A. Reduce by half the proportion of people living on less than \$1 a day.</p>	<p><b>Parameter:</b> N.A.</p> <p>As compared to the baseline, the project will have no impact on the livelihood of the poor in terms of access to health care services, access to sanitation services etc.</p>	0
Access to affordable and clean energy services	N.A.	<p><b>MDG- 7: Ensure Environment Sustainability:</b></p> <p>7.A. Integrate the principles of sustainable development into country policies and programmes and reverse the loss of environmental resources.</p> <p>7.2 CO2 emissions, total, per capita and per \$1 GDP (PPP)</p>	<p><b>Parameter:</b> Amount of clean energy generated per year in MWh;</p> <p>The project will inject clean energy to the grid and therefore positively contribute to the decrease of the grids emission factor.</p> <p>This will improve the region's access to clean energy which is not possible in the baseline scenario of distributing fossil fuel based quantity of electricity.</p> <p>The project will also positively contribute to</p>	+

			the reduction of dependency on fuel and energy imports.	
Human and institutional capacity	N.A.	<p><u>MDG- 1: Eradicate extreme poverty &amp; hunger:</u></p> <p>1.A. Reduce by half the proportion of people living on less than \$1 a day.</p>	<p><b>Parameter:</b></p> <p>- Number of voluntary public awareness meetings for local stakeholders;</p> <p>The project will yearly provide voluntary public awareness meetings for local stakeholders. In these meetings the last status / developments on global climate change, carbon markets and the status of the project will be discussed with the objective of regularly informing the local stakeholders and proving a common panel for discussion.</p>	+
Quantitative employment and income generation	N.A.	<p><u>MDG- 1: Eradicate extreme poverty &amp; hunger:</u></p> <p>1.A. Reduce by half the proportion of people living on</p>	<p><b>Parameter:</b></p> <p>Number of people with an employment contract / pay roll;</p> <p>The project will provide</p>	+

		less than \$1 a day.	employment opportunities during the construction as well as the operation phase of the plant.	
Balance of payments and investment	N.A.	<p><u>MDG- 8: Develop a global partnership for development:</u></p> <p>8.D. Deal comprehensively with the debt problems of developing countries.</p>	<p><b>Parameter:</b> Avoided quantity of natural gas to be imported and the corresponding saved monetary value per year;</p> <p>The project will positively contribute to the replacement of fossil fuels and net foreign currency savings related to natural gas imports by shifting some of electricity generation away from natural gas towards using internally available renewable sources.</p> <p>However, due to its relatively small size, the project's contribution is assumed not to have a</p>	0

			significant impact on Turkey's balance of payments and investment (conservativeness).	
Technology transfer and technological self-reliance	N.A.	<p><u>MDG- 8: Develop a global partnership for development:</u></p> <p>8.F. In cooperation with the private sector, make available the benefits of new technologies, especially information and communications.</p>	<p><b>Parameter:</b> N.A.</p> <p>The project will not have any contribution with regard to technology transfer and technological self-reliance for Turkey.</p>	0
<p><b>Justification choices, data source and provision of references</b></p> <p>A justification paragraph and reference source is required for each indicator, regardless of score</p>				
Air quality	<p>The project will avoid fossil fuel combustion and therefore, partially substitute electricity generation from fossil fuel fired power plants that represent a large share of the Turkish grid generation mix. As a result, the corresponding air emissions, respectively, will be significantly reduced, which otherwise would be produced by average (mainly coal fired) grid connected power plant in the baseline. The project will result in no SO<sub>x</sub> and NO<sub>x</sub> emissions and other emission types such as CO, PM (Particulates) or VOC.</p> <p>However, during the construction phase a negligible amount of emission from construction machines and dust emissions during the whole construction phase will occur.</p>			

	<p>These all will be managed according to “Circular Exhaust Emission Measurements”<sup>18</sup> and “Regulation on Excavation Construction and Demolition Waste Control”<sup>19</sup>.</p> <p>As a result, to apply the precautionary principle, the project’s contribution to the improvement of the air quality for the region is considered as neutral, i.e., as ‘0’.</p>
<p>Water quality and quantity</p>	<p>The project is not located to any ground or underground water sources. Thus, the project will have no impact, as compared to the baseline. There will only be negligible amount of waste water, caused by the workers at the facility. However, this waste water will not released to the ground water and managed according to “Regulation on Control of Water Contamination”<sup>20</sup>. During the operation of the facility, the domestic waste water, caused by the employees in the facility, will be collected in a sealed septic tank and then discharged to a location, determined by the local authority.</p> <p>Therefore, the SD indicator is scored with ‘0’ taking into account the neutral impact of the proposed project activities on water quality and quantity and thus, is not be monitored.</p>
<p>Soil condition</p>	<p>The project has received all relevant licenses from various authorities and thus, is not located in an agricultural or erosion-sensitive area. Since wind energy is an environmental-friendly technology that does not incorporate any soil pollution with lead, SO<sub>x</sub>, NO<sub>x</sub>, cadmium or mercury, as compared to the baseline situation, there will no impact on soil. The project participant will use 2 MW wind turbines such that excavation work will be relatively less, as compared to small-sized wind turbines. All the excavation work will be conducted in line with “Regulation on Excavation and Construction Work”<sup>21</sup>. Thus, its impact will be negligible.</p> <p>According to PIF<sup>22</sup>, the project is located in a region where agriculture is not possible by nature. It is guaranteed that soil erosion will not occur. Furthermore, the excavated soil during construction will be re-used for raising grass again.</p>

<sup>18</sup> <http://www.csb.gov.tr/db/denizli/icerikbelge/icerikbelge314.pdf>

<sup>19</sup> <http://www.mevzuat.gov.tr/Metin.Aspx?MevzuatKod=7.5.5401&MevzuatIiski=0&sourceXmlSearch=>

<sup>20</sup> <http://www2.cevreorman.gov.tr/yasa/y/25687.docx>

<sup>21</sup> <http://www2.cevreorman.gov.tr/yasa/y/25406.doc>

<sup>22</sup> Project Introduction File (PIF) “Adares Wind Power Plant”.

	<p>Therefore, the SD indicator is scored with '0' taking into account the neutral impact of the proposed project activities on soil condition and thus, is not be monitored.</p>
Other pollutants	<p>The project activity will use renewable energy as energy source and therefore does not involve any negative contribution to other pollutants types, such as excessive noise during construction, or the usage of any toxic chemicals or radioactive elements or ozone depleting substances in the plant operation.</p> <p>The project will not have any negative effects on the closest settlement area, which is Acarlar Village, 1.450m away from the nearest turbine. During construction phase the noise level will be 37dBA, which is far below the regulatory limit of 70dBA, defined in the "Regulation on Assessment and Management of Environmental Noise"<sup>23</sup>. Furthermore, due to the distance of 1.450m of the nearest turbine the closest settlement area, Acarlar village as well as the close surrounded area which is not agriculture land, the project will not have any negatively affects with regard to shadow flickers.</p> <p>According to PIF<sup>24</sup>, precautions are met to ensure that the positioning of the wind turbines does not affect transmission systems in the vicinity.</p> <p>The transmission / distribution lines have no impact on destruction of vegetation nor on expropriation of land. These are guaranteed through regulations that the location to be invested has to be a fully non-protected area and by receiving permissions and opinion letters from various authorities. In addition to that, by law, transmission / distribution lines are only allowed to be set on expropriated land.</p> <p>As a result, the SD indicator is scored with '0' taking into account the neutral impact of the proposed project activities on other pollutants and thus, is not be monitored.</p>
Biodiversity	<p>The project is not located in a biodiversity-sensitive area. The project area is neither a nature-protected area, nor are there any sensitive genes, species and/or habitats existing within the project boundary. That is, in the region, there are no faunal and floral species, as written and</p>

<sup>23</sup> <http://www.mevzuat.gov.tr/Metin.Aspx?MevzuatKod=7.5.14012&MevzuatIliski=0&sourceXmlSearch=>

<sup>24</sup> Project Introduction File (PIF) "Adares Wind Power Plant".

	<p>defined in the Bern Agreement 9/1/1984, which have to be protected by law. Or, in other words, all the faunal and floral species in the project area, reported in detail in the PIF, are not in the list of the Bern Agreement.</p> <p>According to PIF<sup>25</sup>, in no case, the young trees and seedlings in the project area will be cut, but only removed from their place with the appropriate technology and planted in a new location nominated by the Directorate of Forestry. However, trees that cannot be disassembled and removed to another place will be cut; this will only be a negligible amount. The project area is not located on bird migration route.</p> <p>Therefore, the sustainable indicator is scored with '0,' taking into account the neutral impact of the proposed project activities on the local biodiversity and thus, is not be monitored.</p>
Quality of employment	<p>Through the project activity, employment will be created during the construction and operation phase of the plant.</p> <p>The project participant guarantees following issues:</p> <ul style="list-style-type: none"> <li>- Health and safety trainings for all the employees in the facility;</li> <li>- Training of the employees in O&amp;M of the project equipment and units will be provided by the machinery and equipment supplier.</li> </ul> <p>These will have a significant impact on job quality.</p> <p>All the health and safety trainings will be in line with the regulations of the Turkish Ministry of Labour and Social Security<sup>26,27</sup>.</p> <p>Therefore, the sustainable indicator is scored with '+' taking into account the positive impact of the proposed project activities on quality of employment. This will be yearly monitored in the Sustainability Monitoring Plan by the project participant.</p>
Livelihood of the poor	<p>The project activity will create extra job opportunities, especially for the local young people, and provide them with a living for their families. They will be provided by social security such that their health control situation,</p>

<sup>25</sup> Project Introduction File (PIF) "Adares Wind Power Plant".

<sup>26</sup> [http://www.isguvenligi.net/mevzuat/4857\\_isig\\_yonetmelikleri/is\\_sagligi\\_ve\\_guvenligi\\_yonetmeligi.pdf](http://www.isguvenligi.net/mevzuat/4857_isig_yonetmelikleri/is_sagligi_ve_guvenligi_yonetmeligi.pdf)

<sup>27</sup> <http://www.mevzuat.adalet.gov.tr/html/5115.html>

	<p>pension salary and living standard can be improved. All the stakeholders in agreed that the proposed project activity will have a positive contribution also for unskilled workers during the construction phase who will earn money for the living of their families.</p> <p>However, according to GS V2.2 Annex-I guidelines, the project will not have any impacts with regard to access to health care services, access to sanitation services etc.</p> <p>As a result, the sustainable indicator is scored with '0' taking into account the neutral impact of the proposed project activities on livelihood of the poor and thus, is not monitored.</p>
<p>Access to affordable and clean energy services</p>	<p>According to TEIAS 2011 statistics, 45% of Turkey's energy generation is dependent on natural gas<sup>28</sup>. However, natural gas is not a resource which is nationally available in Turkey such that it has to be imported from abroad such as Iran or Russia, resulting in a foreign dependence on fuel and uncertainty of energy supply in Turkey.</p> <p>As agreed by the stakeholders, since with this project, a more sustainable and affordable energy services as well as a positive contribution to the security of energy supply in Turkey will be reached, and the successful implementation of the this project will contribute to the increased use of the renewable energy in Turkey's energy mix.</p> <p>Therefore, the sustainable indicator is scored with '+' taking into account the positive impact of the proposed project activities on access to affordable and clean energy services. This will be yearly monitored in the Sustainability Monitoring Plan by the project participant.</p>
<p>Human and institutional capacity</p>	<p>The project owner commits himself to provide voluntary public awareness meetings for local stakeholders. In these meetings the last status / developments on global climate change, carbon markets and the status of the project will be discussed with the objective of regularly informing the local stakeholders and proving a common panel for discussion.</p> <p>Therefore, the sustainable indicator is scored with '+' taking into account the positive impact of the proposed project activities on human and institutional capacity. This will be yearly monitored in the Sustainability Monitoring</p>

<sup>28</sup> <http://www.teias.gov.tr/T%C3%BCrkiyeElektrik%C4%B0statistikleri/istatistik2011/istatistik%202011.htm>

	Plan by the project participant.
Quantitative employment and income generation	<p>The project activity will create employment opportunities for workers during the construction and operation phase of the facility. Furthermore, local contracting companies will also be receive works from the project participant and thus generate income during the construction and operation phase.</p> <p>Therefore, the sustainable indicator is scored with ‘+’ taking into account the positive impact of the proposed project activities on quantitative employment and income generation. This will be yearly monitored in the Sustainability Monitoring Plan by the project participant.</p>
Balance of payments and investment	<p>Although the project activity will have a positive contribution to the foreign fuel dependency and net savings in foreign currency, even if this is a gratifying situation, its contribution to Turkey’s balance of payments and investment is still too little such that it can be neglected.</p> <p>Therefore, the SD indicator is scored with ‘0’ taking into account the neutral impact of the proposed project activities on soil condition and thus, is not be monitored.</p>
Technology transfer and technological self-reliance	<p>Wind energy technology has become a well-known and technology type in Turkey, which however is mainly imported from abroad. The proposed project activity will use new types of wind turbines, and positively contribute the technology transfer in Turkey and help Turkey’s sector to develop self-reliance. However, this issue is very difficult to measure, quantify and monitor.</p> <p>Therefore, the SD indicator is scored with ‘0’ taking into account the neutral impact of the proposed project activities on technology transfer and technological self-reliance and thus, is not be monitored.</p>

## SECTION G. Sustainability Monitoring Plan

[See Toolkit 2.4.3 and Annex I]

*Copy Table for each indicator*

No	1
Indicator	Quality of employment

Mitigation measure	N/A	
<i>Repeat for each parameter</i>	N/A	
Chosen parameter	Health and safety trainings	
Current situation of parameter	Refer to the baseline situation.	
Estimation of baseline situation of parameter	No employment will be created. Therefore, health and safety will not be provided.	
Future target for parameter	As compared to the baselines situation, the project will lead to permanent employment generation in the power plant itself. All the employees will be provided with health and safety by the project owner.	
Way of monitoring	How	Training attendance list or certificates.
	When	Once per monitoring period.
	By who	Project Owner

No	2	
Indicator	Access to affordable and clean energy services	
Mitigation measure	N.A.	
<i>Repeat for each parameter</i>	N.A.	
Chosen parameter	Production of clean energy per year (MWh), replaced fossil fuel, respectively.	
Current situation of parameter	Refer to the baseline situation	
Estimation of baseline situation of parameter	In the baseline scenario, the corresponding amount of clean energy would be produced by the use of fossil fuel.	
Future target for parameter	As compared to the baseline situation, the plant will produce clean energy and thus, enable the region's access to clean energy. Furthermore, being a regional grid connected power plant, the project will add capacity to the regional power system and therefore positively contribute to the regional power grid in meeting the regional demand and improving electricity availability (energy security).	
Way of monitoring	How	Monitoring of the yearly produced amount of clean energy (MWh).
	When	Once per monitoring period.

	By who	Project Owner.
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No	3	
Indicator	Human and institutional capacity	
Mitigation measure	N/A	
<i>Repeat for each parameter</i>	N/A	
Chosen parameter	Number of voluntary public awareness meetings for local stakeholders	
Current situation of parameter	Refer to the baseline situation.	
Estimation of baseline situation of parameter	In the baseline scenario, there would be no trainings of the personnel provided by the project owner.	
Future target for parameter	The project owner will provide public awareness meetings for local stakeholders in the plant area and inform them about the clean energy generation. Therefore, the project owner will increase the environmental awareness of local people.	
Way of monitoring	How	Meeting attendance list.
	When	Once per monitoring period.
	By who	Project Owner.

No	4	
Indicator	Quantitative employment and income generation	
Mitigation measure	N.A.	
<i>Repeat for each parameter</i>	N.A.	
Chosen parameter	Number of people with an employment contract / pay roll.	
Current situation of parameter	Refer to the baseline situation.	
Estimation of baseline situation of parameter	In the baseline scenario, there would be no additional employment for people.	
Future target for parameter	Additional employment in the project region.	
Way of monitoring	How	Monitoring of the number of employment contract / pay rolls.
	When	Once per monitoring period.

	By who	Project Owner.
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**Additional remarks monitoring**

**SECTION H. Additionality and conservativeness**

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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**

N.A.

## H.2. Conservativeness

N.A.

## ANNEX 1 ODA declaration

Will be submitted to DOE.