

**ABBREVIATED RESETTLEMENT ACTION PLAN**  
**BEŞTEPELER ENERJİ ÜRETİM A.Ş.**

<b>1. Information About Project</b>	
Name & Location of Sub-project	KUBILAY GPP is located in Germencik district of Aydın province.
Project Sponsor	BEŞTEPELER ENERJİ ÜRETİM A.Ş.
Project Cost	70.000.000.- USD
Installed Generation Capacity	Total: 24 MW
Key Dates of Implementation	BEŞTEPELER ENERJİ ÜRETİM A.Ş. holds a certificate of 3.016,57 ha area in total for utilization of geothermal resources within the area. The delivery date of compensations paid for the lands which are used for the GPP is 2015. Project is planned to be commissioned at the end of Oct.2016
Project Components& Land Requirements	<ul style="list-style-type: none"> <li>Access road, including improvements to existing roads (km&amp;ha): <b>Transportation will be provided by the existing roads and 6 km access road will be opened in addition.</b></li> <li>Transmission line corridor (km): <b>3 km</b></li> <li>Temporary sites needed for equipment parks, lay-down areas, etc:</li> </ul> <ul style="list-style-type: none"> <li>6,81 ha land volunteer purchased by the Company..</li> <li>1,20 ha land rented by the Company.(Company manager Levent Aka said that they will purchase this lands at the end of renting term.)</li> <li>8,01 ha area is acquired for the project within the total licensed area.</li> </ul> <p>Detailed information is given on BEŞTEPELER Land Acquisition Table.</p>

<b>2.Inventory of Land &amp; Assets Acquired from Private Owners (Completely Volunteer Purchased)(*)</b>	
Name of Owners/land user	The information about the names of the land owners (totally 8 person), amount of total and acquired areas, unit and total prices of each parcel, existing structures on the land if any and purchasing purpose of the land is given on BEŞTEPELER Land Acquisition Table.
Project Component: Area(s) / plots(s) acquired (ha)	6,81 ha land was volunteer purchased for the construction of the GPP.

Owner's/user's total land holding (ha); % taken for project.	The total area of the land used by the land owners was 18.30 ha. 43,7% of the total land was taken for the project. ( details are in the table)
Land use: pasture, agriculture, residence, etc.	These lands were dry farmlands and not being used for agricultural activity or for residence. There are no fig or any other crops in the lands. The lands are sandy and gravelly areas. The developer has shown care to locate the units on unutilized lands. <b>You can see the photos of the land on Annex 2.</b>
Inventory of any structures or other fixed or productive assets (wells, fences, trees, field crops, etc) affected.	There were no structure, no fixed or productive assets on these lands. The lands are dry farmlands and not used for any purpose.
Indicate if land was rented or informally used by another party.	The lands were not rented; and they weren't used by another party.
Indicate if non-owner users had assets, trees, crops, etc affected	No non-owner user.
Indicate if land-based activity is primary source of income for owner or land user.	Some villagers are making their living from agriculture. There are also retired people living in these villages. After they have retired, they came back to their villages. They have pensions and social securities. During the site visit made on 24.10.2015, conversations were made with 2 of the family members. They declared that their lands purchased for the power plant were gravelly lands so that they had not been utilizing those lands before. They have other lands as well to plant. They also declared that, they spent the money they got from BEŞTEPELER A.Ş., for their other needs. <b>You can see the photos on Annex 3.</b>
Compensation paid.	Totally 325.500 TL was paid to the land owners within the scope of voluntary purchase.Detailed information about compensations paid for each land owner is given on <b>Annex 1</b> on BEŞTEPELER Land Acquisition Table.
Dates delivered.	All the payments were completed in 2015.
Impact on income of owner.	325.500 TL was paid to the land owners for voluntary purchasing of 6.81 ha. Detailed information about compensations paid for each land owner is given on <b>Annex 1</b> on BEŞTEPELER Land Acquisition Table.

2.1. Inventory of Land & Assets Acquired from Private Owners	
Name of Owners/land user	
Project Component: Area(s) / plots(s) acquired (ha)	
Owner's/user's total land holding (ha); % taken for project.	
Land use: pasture, agriculture, residence, etc.	
Inventory of any structures or other fixed or productive assets (wells, fences, trees, field crops, etc) affected.	
Indicate if land was rented or informally used by another party.	
Indicate if non-owner users had assets, trees, crops, etc affected	
Indicate if land-based activity is primary source of income for owner or land user.	
Compensation paid.	
Dates delivered.	
Impact on income of owner.	

3.Inventory of Public, Community, or State Land Acquired	
Land parcels / plots acquired (ha).	
Land type / land use: Forest, commons for grazing, other.	
Ownership: State, community, other.	
Structures or other fixed assets.	
Compensation, land transfer, or other measures to mitigate impacts on land users. Specify measures and dates of delivery.	

#### **4.Consultations,Communications & Management of Grievances and Implementation Issues**

##### **-General Information About Project and Project Area :**

Beştepeler Enerji Üretim A.Ş. plans to develop and operate Kubilay Geothermal Energy Plant in Germencik District of Aydın Province in Turkey.

The project is based on geothermal sources located in the Aydın province, Germencik district, Turanlar area, of 3.061,57 Ha under the operating license no. 2015/2 of Beştepeler Enerji Üretim A.Ş. and the usage of these resources to establish a geothermal energy plant (Kubilay GPP) with a capacity of 24 MW.

##### **-Consultations,Communications & Management of Grievances:**

The company organized a Stakeholder Consultation Meeting on 05.06.2015 at Moralı village coffeehouse. All residents of the area were invited.

The place for the meeting was selected as the Moralı village as it is the closest settlement to the project area. The local residents were informed on the meeting with local announcements.

In addition, the village headman was visited one week before, to inform him about the approaching meeting. Arya Çevre Madencilik Müh. Müş. Ltd. Şti. made a presentation about the project and gave information about the project developer, technology and management of the energy plant. Information was given on the effects of the plant on the environment and how to mitigate these effects.

After the meeting, Project General Manager Mr Levent Aka and the presenter Muhammed Demirkaya answered the questions of the local residents.

The issue foremost on the local residents' minds was whether the energy plant would damage the agricultural areas. The local residents were informed in detail that the system would be closed circuit and the geothermal waters used in the plant would be pumped underground through reinjection at the end of the cycle. For potential emergencies, or if the geothermal liquid in the reinjection pipes were to be discharged due to a technical problem, the waters would be discharged into a relief pool constructed in the facility area, to ensure continuous operation and prevent damage to the environment and in this case, the geothermal liquid would be pumped back into the reinjection wells with additional pumps.

Another issue that was raised by the participants was that of CO<sub>2</sub> gas emissions and whether the Air quality would be affected. The local residents were also informed in detail on this topic. It was explained that the geothermal liquid would not be in contact with the atmosphere and at the Kubilay GPP the CO<sub>2</sub> gas gathered in the closed circuit system would be analyzed and agreements signed to sell the gas to the industrial suppliers in Turkey. While the CO<sub>2</sub> gas gathered in the closed circuit system would be sold to the gas suppliers, the geothermal water reinjected in the system would be pumped underground and not be emitted into the environment.

Apart from these issues, it was observed that the local residents were positive towards the Kubilay GPP. The expectation of the local residents from the company was for the young generation to be employed in the project, which was being planned by the project developer.

**There isn't any people in need (disabled etc).. living in the lands that are volunteer purchased or expropriated by the sponsor Beştepeler Enerji Üretim A.Ş.**

**-The assistance to the villagers within the context of corporate social responsibility of the project sponsor.**

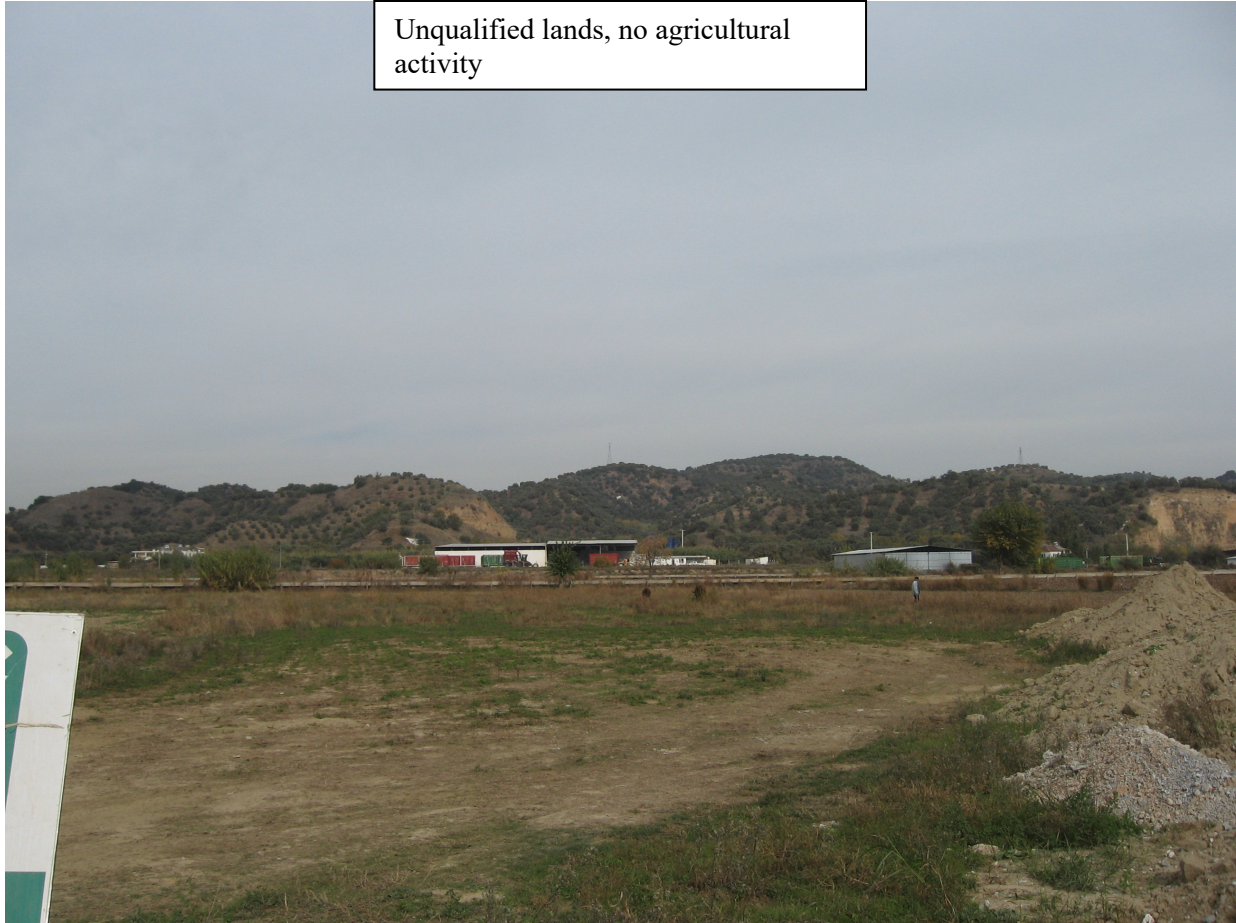
- The company employed 10 villagers at the construction site.
- The company also did some constructions around for the good of the villagers; Imam's house was constructed.

#### **ANNEX 2: The Worksite of The Sponsor and drilling area**





Unqualified lands, no agricultural activity



Unqualified lands, no agricultural activity







### Annex 3 : Photos taken with the villagers and workers

