FETHIYE – HISARONU – OVACIK SEWERAGE NETWORK AND COLLECTOR LINE

FINAL ENVIRONMENTAL AND SOCIAL MANAGEMENT PLAN

NOVEMBER 2018

ARÜV ÇEVRE MÜH. MÜŞ. HİZ. İNŞ. SAN. VE TİC. A.Ş.
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ABBREVIATIONS

ESIA  Environmental and Social Impact Assessment
ESMP  Environmental and Social Management Plan
EBRD  European Bank for Reconstruction and Development
EHS   Environment, Health and Safety
IFC   International Finance Corporation
EIA   Environmental Impact Assessment
MoEF  Ministry of Environment and Forestry
EU    European Union
OHS   Occupational Health and Safety
MUSKI Muğla Water and Sewerage Administration
TURKSTAT Turkish Statistical Institute
NWTF  National Waste Transportation Form
EHS   Environment, Health and Safety
EXECUTIVE SUMMARY

This Environmental and Social Management Plan herein has been prepared by Arüv Çevre Müh. Müş. Hiz. İnş. San. ve Tic. A.Ş. to assess the environmental and social impacts of the project including the transmission of domestic wastewater to be generated in Ölüdeniz Neighborhood, Ovacık and Hisarönü localities to Fethiye Wastewater Treatment Plant and construction of a new collector for Fethiye Sewerage Network according to the peak flow rate received. Project owner is MUSKI.

The rapid population increase in the region leads to an increase in the amount of water used, which results in an increase in the amount of wastewater generated. The project shall be implemented to preserve the environmental assets in the region.

This report herein defines measures to be taken, mitigation and monitoring plans during the manufacturing and operation processes of sewerage lines and pumping stations to be constructed as part of Operational Policies of the World Bank for Environmental Assessment (O.P.4.01) and "Iller Bankasi Sustainable Cities Project".

1. INTRODUCTION

Project Area is a neighborhood of Fethiye in Muğla province within Hisarönü – Ovacık Mediterranean Region. The area is surrounded by Fethiye in the north, by Faralya Village and the Mediterranean Sea in the south, by Kayaköy in the west and by Mendos Mountain (Kabaağaç Village) in the east.

Infrastructure works regarding Hisarönü and Ovacık neighborhoods under the governance of Fethiye sub-province was at first initiated in 1997 by Birim Infrastructure Engineering Company as part of an Iller Bankasi project, followed by some additions made by Tempo Engineering Company in 2000. Finally, Ölüdeniz Municipality at the time ordered Özbek Engineering Company to prepare the designs in 2010 through Iller Bankasi and the discharge location was designated to be an area at the historical Kayaköy region. However, as the area is protected and the Directorate General of MUSKI was established soon after as mentioned above, the works carried out in the area resulted in that the wastewater of the region shall be discharged to Fethiye Wastewater Treatment Plant, after capacity increase, instead of Kayaköy and the basins at the eastern part of the region shall also be connected to the collector line planned to pass through Atatürk Street.

As part of Fethiye Sub-province Ölüdeniz Neighborhood Ovacık and Hisarönü localities Sewerage Network Construction Project, the tender was called for the Final Designs of the Wastewater, Network, Collector Mains, Collector Line and Temporary Discharge Line by Iller Bankasi and then these designs were prepared. Feasibility studies for the Wastewater Treatment Plant were also carried out beforehand.

Because of the issues such as discharging wastewater treatment plant effluent to the receiving body and hydraulic and archeologic protection areas at the downstream of the river that will be used for discharging, the project was removed from the investment program by
MUSKI and the wastewater was planned to be transmitted to Fethiye Wastewater Treatment Plant after a capacity increase.

Hisarönü – Ovacık neighborhoods Sewerage network project was prepared by Özbek Engineering Company with the supervision of İller Bankası and the Pumping Station (TM3), as part of Hisarönü and Ovacık Neighborhoods Sewerage Network, which was planned to be located at the elevation of +290 meters will pump the wastewater to +320 meter elevation instead of Kayaköy wastewater treatment and then the wastewater will be transmitted to Fethiye WWTP with gravity. The wastewater of the neighborhoods located at the eastern basin of Atatürk Street, which was selected as the route for the transmission of wastewater to the WWTP, will be connected to the collector line to decrease the loads on the existing network.

Overall, the Project includes construction of new pumping station, force mains and sewerage network and collector lines with gravity to transmit the whole wastewater to be generated at the settlements located at Ovacık and Hisarönü localities of Ölüdeniz Neighborhood, Fethiye Sub-province to the Fethiye Wastewater Treatment Plant.

➢ Significance of the project

Tourism sector is an important input in terms of payment balances for developing countries like Turkey. Tourism sector is open to rapid changes in today's competitive environment among the countries worldwide and it is of great significance to protect nature, which is our most valuable asset, and avoid any polluting impacts on the environment in order to maintain the development and sustainability of tourism. Whilst environmental impacts and deterioration from pollution can cause major losses in tourism revenues, rehabilitation works also cost significant amounts. Therefore, measures and prevention policies shall be developed.

The planned wastewater sewerage lines will be a measure to prevent pollution in the region, where there is a great tourism potential, and there will be no need for any rehabilitation works resulting from pollution. Hence, a significant amount of money shall be saved.

With the new sewerage lines to be constructed, planned urbanization and infrastructure system shall be provided and as a result, the standard of living shall be raised in the region.
2. PURPOSE OF ENVIRONMENTAL AND SOCIAL MANAGEMENT PLAN

Environmental and Social Management Plan (ESMP) activities required to be carried out as part of Construction of Fethiye-Ölüdeniz-Ovacık Sewerage Network and Collector Line Project by MUSKI, the owner of the Project, include institutional regulations, mitigation and monitoring plans.

Main targets of ESMP are review of project alternatives to improve the design, layout, planning and implementation approaches of the project and developing approaches that would prevent, mitigate or compensate the negative impacts on environment, and increase positive impacts.

In the event that the negative impacts cannot be completely prevented through ESMP activities, the goal for the residual impacts consists of mitigating them to acceptable levels for community with respect to environment, health and safety issues and in line with Turkish legislation and World Bank's Operational Policies.

Environmental monitoring provides information on key environmental issues, especially on the efficiency of measures that were taken and environmental impacts of the project at the implementation stage of the project. Such information enables the evaluation of success of the measures which are a part of project supervision for the project owner and for supervision mechanism and to allow execution of proper action whenever necessary. Therefore, environmental and social management plan defines purposes of monitoring and types of monitoring by establishing a connection with project measures criteria.

Positive and negative environmental impacts of the project during construction and operation phases as part of the study are discussed in Section 6 and “Rehabilitation Plan” and “Monitoring and Measurement Plan” that have to be implemented in order to ensure compliance of activities to be carried out during construction and operation stages with the principles and procedures indicated in national legislation and Turkey’s environment regulations are presented below.
3. ENVIRONMENTAL POLICY AND LEGISLATION

3.1. National

The Environmental Law no. 18132 and published in the Official Gazette of Republic of Turkey dated August 11th, 1983 and the Environmental Law no. 2872 amended with the Official Gazette of May 29th, 2013 (Law No. 6486), constitutes the legal frame regarding the environmental legislations in Turkey. This law is supported by many regulations. Clause 10 of the Environmental Law puts the main frame for the Environmental Impact Assessment Regulation (EIA Regulation) published in the Official Gazette dated 25.11.2014 and numbered 29186. Environmental Impact Assessment (EIA) applications are the studies to be carried out to determine the positive and negative impacts of, to prevent negative impacts or to determine the measures to be taken in order to decrease the negative impacts to environment, to determine and evaluate the selected sites and technology alternatives and to monitor and control the implementation of the projects planned to be realized. EIA process defines the application, pre-construction, construction, commissioning and after-operation for the environmental impact assessment of the project to be undertaken. EIA is the process which starts with the submission of reports, in which the project is described in all aspects, and ends with the decision of the Ministry.

Projects subject to the Environmental Impact Assessment Regulation announced in the Official Gazette no. 29186 published on 25.11.2014 may only be approved, gather incentives, permissions, construction licenses; the investment shall started or tendered for a contract unless a decision stating “Environmental Impact Assessment is positive” or “no Environmental Impact Assessment is required” is made by related authorities. However, this does not constitute a preventive measure to start the application procedures to use incentives, to obtain approvals, permits and also for licensing procedures.

As part of the European Union membership period, Turkey achieved several institutional and legislation reforms. Thanks to these reforms, environmental legislations and environment protection tools are brought to in compliance with international standards. Activities to be carried out and liabilities to be undertaken as part of the project shall be in compliance with the provisions of the relevant Turkish legislation. The related regulations for the Project are listed as:

- Regulation on Control of Packaging Waste (24.08.2011)
- Regulation on Waste Management (02.04.2015-23.03.2017)
- Regulation on Wastewater Collection and Disposal Systems (06.01.2017)
- Regulation on Assessment and Management of Environmental Noise (04.06.2010-27.04.2011-08.11.2015)
- Regulation on Determination and Punishment of Infringement on Administrative Fees Pursuant to Environmental Laws and Collection of the Related Fees (03.04.2007)
- Regulation on Control of Exhaust Gas Emission (11.03.2017)
- Regulation on Control of Excavation Soil, Construction and Debris Wastes (18.03.2004)
- Regulation on Air Quality Assessment and Management (06.06.2008-05.05.2009)
• Regulation on the Inventory and Control of Chemicals (26.12.2008-10.11.2009-23.05.2010)
• Regulation on Control of Odor Emissions (19.07.2013)
• Regulation on Control of Waste Tires (25.11.2006-30.03.2013-10.11.2013-11.03.2015)
• Regulation on Monitoring of Greenhouse Gas Emissions (17.05.2014-29.06.2016-31.05.2017)
• Regulation on Strategic Environmental Assessment (08.04.2017)
• Regulation on Control of Medical Wastes (25.01.2017)
• Regulation on Soil Pollution Control and Contaminated Sites by Point Source (08.06.2010-14.06.2012-11.07.2013)
• Soil Protection and Land Use Law (19.07.2005)
• Regulation on the Implementation of Soil Protection and Land Use Law (15.12.2005)
• Groundwater Law no. 167, (23.12.1960)
• Regulation on Protection of Groundwater against Pollution and Deterioration (07.04.2012-22.05.2015)
• Environment Law No. 2872 (11.08.1983)
• Regulation on Control of Waste Vegetable Oils (06.06.2015)
• Occupational Health and Safety Law (30.06.2012)
• Regulation on Occupational Health and Safety (09.12.2003)

3.2. International

➢ 2.5.1 The EU national Program (2008)

The decision no. 2008/14481 for "The European Union Acquis Adoption of Turkey's National Scheme” and “Implementation, coordination and monitoring of the European Union Acquis Adoption of Turkey's National Scheme” of such adoption and implementation was announced in the Official Gazette no. 27097 (5th repeated) published on December 31, 2008 (EU National Program, 2008).

In the National Scheme announced in 2003, the requirements under the title “Improvement of Water Quality” were defined as the first priority and the treatment of urban wastewater is also explained under such title. The sub-expansions required for such priorities are listed in The National Report, published in 2008.

➢ Wastewater Treatment Action Plan

Wastewater Treatment Action Plan was developed based on the outputs of previously-prepared National Environment Strategy and Action Plan, EU Integrated Environmental Approximation Strategy and Environmental Heavy-Cost Investment Planning Project.

Wastewater Treatment Action Plan was prepared in compliance with the strategies and targets of Environmental Law. Furthermore, the Plan includes detailed information about the
wastewater infrastructure rehabilitations and regulations that have to be carried out in order to fulfil the liabilities arising from the Environmental Law and the EU acquis regarding environment (MoEF, 2008).

The Plan indicates targets and strategies to monitor, minimize and prevent the pollution in the ground, surface and coastal waters, constructing sewage systems and treatment plants in compliance with the Regulation on Urban Wastewater Treatment, and to strengthen the technical and economic infrastructures of the municipalities. Wastewater treatment action plans have been created according to the basins and provinces.

- **International Conventions related to Environment that Turkey is a Party to**

  Related international conventions and agreements are as follows:

  - Convention for the Establishment of the European and Mediterranean Plant Protection Organization (Amended), Paris 1951 (Turkey 10.8.1965)
  - Convention for the Conservation of European Wildlife and Natural Habitats, Bern 1979 (Turkish Official Gazette dated 20.2.1984, and numbered 18318)
  - The Protocol for the Protection of the Mediterranean Sea against Pollution from Land-Based Sources, Athens 1980 (Turkish Official Gazette dated 18.3.1987, and numbered 19404)
  - Convention on Long-range Transboundary Air Pollution, Geneva 1979 (Turkish Official Gazette dated 23.3.1983, and numbered 17996)
  - Convention on Wetlands of International Importance, Especially as Waterfowl Habitat (RAMSAR), (Official Gazette dated 17.5.1994, and numbered 21937)
World Bank Operational Policies

Projects are classified as categories A, B, C according to the extent of their potential impacts on the environment under the operational policies of the World Bank for Environmental Assessment (O.P.4.01), such classification is made based on the type, location, sensitivity, size and potential impacts of the project.

The World Bank requires the implementation of Policies for protection/prevention measures in managing customers' environmental risks and impacts in order to create higher development opportunities for their direct investments. The World Bank applies the Sustainability Framework along with other strategies, policies and initiatives, while guiding business activities to achieve overall development goals.

During the course of the investment of World Bank, the following 10 Protection Measures Policies shall be applied:

Environmental Policies:

- Environmental Assessment (OP/BP 4.01): The activities executed as part of basic construction works create some environmental and social impacts due to their nature, which are not much critical. Although the impacts are not much critical, it is required to implement the Environmental Assessment Policy of the WB. With the enforcement of OP 4.01, it is necessary to prepare the environmental and social management tools. This ESMP herein includes the mitigation measures regarding the negative impacts that may occur during the transmission of domestic wastewater to be generated in Ovacık and Hisarönü localities to Fethiye WWTP and construction of a new collector for Fethiye Sewerage Network according to the peak flow rate received. As the mentioned project covers the construction of a collector and the possible impacts are temporary and recoverable and limited to the construction sites, as well as it is exempt from EIA Regulation in accordance with the Turkish Environmental Legislation, the project is assessed to be a Category B project.

- Natural Habitats (OP/BP 4.04): Project area is partially located within the Fethiye-Göcek Special Protection Area according to the Turkish legislation. This region has been declared as a special protection area, particularly because Fethiye beach is one of the nesting sites of Caretta caretta and Chelonia mydas species which are protected by Bern Convention and CITES and represented only by 5 species in the Mediterranean basin. Accordingly, Special Environmental Protection Area provisions shall be complied during the construction and operation activities.

- Pest Management (OP 4.09): N activity requiring pest management is anticipated as part of the project.

- Physical Cultural Resources (OP/BP 4.11): The laws and the practices in Turkey meet the requirements of the World Bank. As the national legislation regarding the protection of the cultural assets is strictly applied, an additional condition is not expected apart from the World Bank operational policies. In addition, when there is a chance-find or accidental finding to be considered as part of the management of cultural structures, chance find procedure, which will warn the inspection consultants and contractors about the steps to follow.
shall be applied. Moreover, all the formal correspondences before and during the construction works will be recorded and added to the seasonal monitoring reports.

- Forests (OP/BP 4.36): Project is not expected to have any impacts on forest areas.
- Safety of Dams (OP/BP 4.37): There are no dam projects to be impacted as part of the project.

Social Policies:
- Involuntary Resettlement (OP/BP 4.12): A Land Acquisition and Resettlement Policy Frame (LARPF) has been prepared to fulfill the requirements of the policy, and in the event that land acquisition requirements emerge during the construction phase of the project, a project-specific Land Acquisition and Resettlement Action Plan (LARAP) shall be prepared. As part of the project, issues that may require expropriation such as private properties and areas that are not reserved for cadastral roads during the selection of routes and the site works are eliminated and the line route is planned to pass from zoned roads. The subject project is not expected to cause any physical resettlement.
- Indigenous Peoples (OP/BP 4.10) (This policy does not apply to the projects in Turkey.)

Legal Policies:
- Projects in Disputed Areas (OP/BP 7.60): Project area is not located within a disputed area.
- Projects on International Waterway (OP/BP 7.50): There are no international waterways as part of the project.

Purposes of the operational policies:
- Protect the humans and environment from adverse impacts
- Improve environmental sustainability and social equality
- Integrate environmental and social issues into decisions related to project selection, design and application
- Establish environmental and social management capacity for the investor
- Provide a mechanism for disclosure, stakeholder engagement, accountability
- Fulfill the requirements of local and cultural stakeholders

The World Bank Group’s Environmental, Health and Safety (EHS) Guidelines constitute technical reference resources that include general and sector specific examples of international good industry practices. It includes information on applicable environmental, health and safety issues for all industrial sectors. World Bank will use EHS Guidelines as a source of technical information throughout the project evaluation process. EHS Guidelines include performance levels and measurements that can be achieved at newly installed facilities using World Bank’s available technologies at reasonable cost. The relevant industry guidelines (Water and Sanitation EHS Guidelines) shall be used together with these guidelines. General Health and Safety Guidelines include the following main items;
### 1. Environment
- Air emissions and ambient air quality
- Energy conservation
- Wastewater and ambient water quality
- Water conservation
- Hazardous materials management
- Waste management
- Noise
- Contaminated land

### 2. Occupational Health and Safety
- General facility design and operation
- Communication and training
- Physical hazards
- Chemical hazards
- Biological hazards
- Radiological hazards
- Personal protective equipment (PPE)
- Specific hazard environments
- Monitoring

### 3. Community Health and Safety
- Water quality and availability
- Structural safety and project infrastructure
- Life and fire safety (L&FS)
- Traffic safety
- Transport of hazardous materials
- Disease prevention
- Emergency preparedness and response

### 4. Construction and Decommissioning
- Environment
- Occupational health and safety
- Community health and safety
4. PROJECT INTRODUCTION

The Project covers the transmission of domestic wastewater to be generated in Ovacık and Hisarönü localities of Ölüdeniz Neighborhood to Fethiye Wastewater Treatment Plant and construction of Fethiye Sewerage Network according to this peak flow rate received.

4.1. Geographical Location

Project area is in the neighborhood of Fethiye sub-province in Muğla province within Hisarönü – Ovacık Mediterranean Region. The area is surrounded by Fethiye sub-province in north, by Faralya Village and the Mediterranean Sea in south, by Kayaköy in west and by Mendos Mountain (Kabaağaç Village) in east.

The general topography of the region as well as Ovacık and Hisarönü neighborhoods are away from the sea and located on highlands. Settlements surrounded by mountains are situated on the plains and have a slope of 0-5%. The slope is 6-10% at the eastern parts and the north is covered by plain agricultural fields. The highest elevation level of Ovacık – Hisarönü settlement within the boundaries of settlement plan is around 418.00 m. The altitude from the sea level for Ovacık, Hisarönü and Belceğiz settlements located on a small plateau rising over the south of Fethiye is 300 meters.

Hisarönü neighborhood is situated over the Fethiye – Ovacık highway. The neighborhood, which was considered a village not long ago, is now an active tourism center having a bed capacity of 3000 beds in hotels and pensions. On the other hand, Ovacık neighborhood is another settlement over Fethiye – Belceğiz – Ölüdeniz highway having dispersed hotels and pensions within the old settlements.

4.2. Population

Fethiye is one of the 13 sub-provinces of Muğla Province. According to the data of address based population registration system of TurkStat, the annual population increase rate of Fethiye is calculated as 25.2 percent. The population of Fethiye was 134,327 persons in 2015; while the last census held in 31.12.2016 revealed that the population of the sub-province increased to 151,474 persons.

Table 1: Population Data of Fethiye Sub-province

<table>
<thead>
<tr>
<th>Years</th>
<th>Population of Fethiye</th>
<th>Male Population</th>
<th>Female Population</th>
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<tbody>
<tr>
<td>2016</td>
<td>151,474</td>
<td>76,301</td>
<td>75,173</td>
</tr>
<tr>
<td>2015</td>
<td>147,703</td>
<td>74,369</td>
<td>73,334</td>
</tr>
<tr>
<td>2014</td>
<td>145,643</td>
<td>73,360</td>
<td>72,283</td>
</tr>
<tr>
<td>2013</td>
<td>140,509</td>
<td>70,809</td>
<td>69,700</td>
</tr>
<tr>
<td>2012</td>
<td>195,419</td>
<td>99,055</td>
<td>96,364</td>
</tr>
<tr>
<td>2011</td>
<td>192,886</td>
<td>97,577</td>
<td>95,309</td>
</tr>
<tr>
<td>2010</td>
<td>188,259</td>
<td>95,093</td>
<td>93,166</td>
</tr>
<tr>
<td>2009</td>
<td>183,184</td>
<td>92,400</td>
<td>90,784</td>
</tr>
<tr>
<td>2008</td>
<td>181,415</td>
<td>92,126</td>
<td>89,289</td>
</tr>
<tr>
<td>2007</td>
<td>173,426</td>
<td>87,468</td>
<td>85,958</td>
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With the Law no. 6360 enacted in 2012, Muğla Metropolitan Municipality Directorate General for Water and Sewerage Authority, Muğla Metropolitan Municipality General Directorate of Water and Sewage Administration (MUSKI) was established for the purpose of providing the water and sewerage services within the provincial boundaries. There are 13 sub-provinces in the territorial boundaries of the province, and Directorate General of MUSKI provides drinking water supply and wastewater treatment services to these sub-provinces and villages affiliated to them.

Project Area is a neighborhood of Fethiye sub-province in Muğla within Hisarönü – Ovacık Mediterranean Region. The area is surrounded by Fethiye sub-province in north, by Faralya Village and the Mediterranean Sea in south, by Kayaköy in west and by Mendos Mountain (Kabağaç Village) in east.

**Table 2: Population Projection of the Basin to be connected to the New Collector**

<table>
<thead>
<tr>
<th>YEARS</th>
<th>TUZLA</th>
<th>MENTEŞE</th>
<th>BABATAŞ</th>
<th>CAMİ</th>
<th>ÇATALARIK</th>
<th>YENİ</th>
<th>INCLUDING</th>
</tr>
</thead>
<tbody>
<tr>
<td>2016</td>
<td>3,000</td>
<td>15,000</td>
<td>10,000</td>
<td>3,500</td>
<td>9,000</td>
<td>16,000</td>
<td>7,000</td>
</tr>
<tr>
<td>2021</td>
<td>3,477</td>
<td>17,385</td>
<td>11,582</td>
<td>4,057</td>
<td>10,431</td>
<td>18,544</td>
<td>8,113</td>
</tr>
<tr>
<td>2026</td>
<td>4,030</td>
<td>20,149</td>
<td>13,433</td>
<td>4,701</td>
<td>12,090</td>
<td>21,492</td>
<td>9,403</td>
</tr>
<tr>
<td>2031</td>
<td>4,671</td>
<td>23,352</td>
<td>15,569</td>
<td>5,449</td>
<td>14,011</td>
<td>24,910</td>
<td>11,096</td>
</tr>
<tr>
<td>2036</td>
<td>5,413</td>
<td>27,066</td>
<td>18,044</td>
<td>6,315</td>
<td>16,239</td>
<td>28,871</td>
<td>12,860</td>
</tr>
<tr>
<td>2041</td>
<td>6,274</td>
<td>31,370</td>
<td>20,913</td>
<td>7,320</td>
<td>18,822</td>
<td>33,462</td>
<td>14,904</td>
</tr>
<tr>
<td>2046</td>
<td>7,272</td>
<td>36,357</td>
<td>24,238</td>
<td>8,483</td>
<td>21,814</td>
<td>38,785</td>
<td>17,275</td>
</tr>
</tbody>
</table>
The region is currently being used by the locals for agricultural purposes and it has been learned from the Administration that that the development plan for the region will be promulgated in the following years. Accordingly it was estimated that tourism population and population of the daily visitors will be low; however an additional population around 25% to 30% of the existing population is expected as secondary residence. In line with these calculations, the population projection table is as follows:

**Table 3: Population Projection**

<table>
<thead>
<tr>
<th>YEARS</th>
<th>TUZLA</th>
<th>MENTEŞE</th>
<th>BABATAŞ</th>
<th>CAMİ</th>
<th>ÇATALARIK</th>
<th>YENİ</th>
<th>INCLUDING</th>
</tr>
</thead>
<tbody>
<tr>
<td>N 2046</td>
<td>7,272</td>
<td>36,357</td>
<td>24,238</td>
<td>8,483</td>
<td>21,814</td>
<td>38,785</td>
<td>17,275</td>
</tr>
<tr>
<td>Secondary Residence 2046</td>
<td>1,818</td>
<td>9,089</td>
<td>6,060</td>
<td>2,121</td>
<td>5,454</td>
<td>9,696</td>
<td>4,319</td>
</tr>
<tr>
<td>ΣN 2046</td>
<td>9,090</td>
<td>45,446</td>
<td>30,298</td>
<td>10,604</td>
<td>27,267</td>
<td>48,481</td>
<td>21,594</td>
</tr>
</tbody>
</table>

The basic data used in determining the amount of wastewater is the water consumption values per capita. The data on water consumption per capita is identified as “Intended for Human Consumption” in the Regulation on the Preparation of İller Bankasi Urban and Sub-urban Drinking Water Projects (Official Gazette dated 22.04.1983 and numbered 18733).

**4.3. Socioeconomic Status**

Considering the socioeconomic structure, the region's economic activities are mainly based on the tourism sector. Before the improvement of the tourism sector, the economic labor force was composed of agricultural activities on the infertile lands that cannot be irrigated, home pensions and various business lines carried out at the surrounding settlements. Trade, service and construction sectors have become more active as a result of the developments in tourism sector. Particularly in recent years, national and international tourists who visit the sub-province for holiday purposes have decided to settle down at this area and formed the local residing population.

Considering the overall Muğla province, Fethiye ranks 7th in terms of development level. considering the whole country, the sub-province is listed in Group 2 together with Marmaris, Bodrum, Merkez, Datça, Ortaca, Dalaman and Milas again in terms of level of development.
According to the results of the research carried out in 2004 by the State Planning Organization, Fethiye ranked 128 among 872 sub-provinces. The development group of the sub-province was considered as Group 2 (among Groups 1 to 6). Table 5 presents a comparison of the socio-economic indicators between Muğla and Fethiye sub-province. While the urbanization rate in Fethiye is 32.87%, population increase rate is 18.92% and population density is 52 people. 67.39% of the population work in agriculture sector, 3.2% work in industries and 29.38 work in service sector, most of which is in tourism. As the economy of the sub-province is based on agriculture and tourism, almost all of the people working in these two sectors are employed. Unemployment rate in the sub-province is 4.02%. Literacy rate is very high with 91.85%. Income reserved from the national budget is 123.75 TL per capita, ratio of tax revenues in the country is 0.09% and ratio of agricultural production in the country is 1.16%.

Table 4: Development Ranking

<table>
<thead>
<tr>
<th>Province</th>
<th>Sub-province</th>
<th>Development Ranking among 872 Sub-provinces</th>
<th>Development Group</th>
<th>Development Index</th>
</tr>
</thead>
<tbody>
<tr>
<td>MUĞLA</td>
<td>Marmaris</td>
<td>22</td>
<td>2</td>
<td>2.51737</td>
</tr>
<tr>
<td>MUĞLA</td>
<td>Bodrum</td>
<td>27</td>
<td>2</td>
<td>2.42137</td>
</tr>
<tr>
<td>MUĞLA</td>
<td>Merkez</td>
<td>68</td>
<td>2</td>
<td>1.41047</td>
</tr>
<tr>
<td>MUĞLA</td>
<td>Datça</td>
<td>80</td>
<td>2</td>
<td>1.26732</td>
</tr>
<tr>
<td>MUĞLA</td>
<td>Ortaca</td>
<td>104</td>
<td>2</td>
<td>1.07099</td>
</tr>
<tr>
<td>MUĞLA</td>
<td>Dalaman</td>
<td>113</td>
<td>2</td>
<td>1.03833</td>
</tr>
<tr>
<td>MUĞLA</td>
<td>Fethiye</td>
<td>128</td>
<td>2</td>
<td>0.91185</td>
</tr>
<tr>
<td>MUĞLA</td>
<td>Milas</td>
<td>165</td>
<td>2</td>
<td>0.63003</td>
</tr>
<tr>
<td>MUĞLA</td>
<td>Ula</td>
<td>212</td>
<td>3</td>
<td>0.37142</td>
</tr>
<tr>
<td>MUĞLA</td>
<td>Yatağan</td>
<td>229</td>
<td>3</td>
<td>0.28571</td>
</tr>
<tr>
<td>MUĞLA</td>
<td>Köyceğiz</td>
<td>264</td>
<td>3</td>
<td>0.17722</td>
</tr>
<tr>
<td>MUĞLA</td>
<td>Kavaklıdere</td>
<td>374</td>
<td>3</td>
<td>-0.10034</td>
</tr>
</tbody>
</table>

### Table 5: State Planning Organization Research

<table>
<thead>
<tr>
<th></th>
<th>CENTER</th>
<th>FETHIYE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Population</td>
<td>83,511</td>
<td>154,209</td>
</tr>
<tr>
<td>Urbanization Rate (%)</td>
<td>52.50</td>
<td>32.87</td>
</tr>
<tr>
<td>Population Growth Rate (%O)</td>
<td>16.01</td>
<td>18.92</td>
</tr>
<tr>
<td>Population Density (Person)</td>
<td>50</td>
<td>52</td>
</tr>
<tr>
<td>Population Dependency Rate (%)</td>
<td>43.56</td>
<td>47.78</td>
</tr>
<tr>
<td>Average Household Size</td>
<td>3.38</td>
<td>3.81</td>
</tr>
<tr>
<td>Ratio of Employees in Agriculture Sector (%)</td>
<td>51.24 (727)</td>
<td>67.39 (573)</td>
</tr>
<tr>
<td>Ratio of Employees in Industrial Sector (%)</td>
<td>6.98 (255)</td>
<td>3.22 (498)</td>
</tr>
<tr>
<td>Ratio of Employees in Services Sector (%)</td>
<td>41.78 (103)</td>
<td>29.38 (215)</td>
</tr>
<tr>
<td>Percentage of Unemployment (%)</td>
<td>5.00 (455)</td>
<td>4.02 (577)</td>
</tr>
<tr>
<td>Percentage of Literate (%)</td>
<td>92.72</td>
<td>91.85</td>
</tr>
<tr>
<td>Infant Mortality Rate (%O)</td>
<td>29.00</td>
<td>34.62</td>
</tr>
<tr>
<td>Total Budget Revenue Per Capita (TL)</td>
<td>254.12 (50)</td>
<td>123.75 (120)</td>
</tr>
<tr>
<td>Ratio of Tax Revenues in the Country (%)</td>
<td>0.11134 (63)</td>
<td>0.09120 (72)</td>
</tr>
<tr>
<td>Ratio of Agricultural Production in the Country (%)</td>
<td>0.14094 (223)</td>
<td>1.16167 (4)</td>
</tr>
</tbody>
</table>

N.B.: The figures in parenthesis show the rank of the sub-province among 872 sub-provinces according to the related indicator.

Source: Bülent Dinçer, Metin Özaslan, Research on Socioeconomic Development Ranking of Sub-provinces, SPO, Ankara, April 2004

### 4.4. Project Site

Project area is a neighborhood of Fethiye sub-province in Muğla province within Hisarönü – Ovacık Mediterranean Region. The area is surrounded by Fethiye sub-province in north, by Faralya Village and the Mediterranean Sea in south, by Kayaköy in west and by Mendos Mountain (Kabağaç Village) in east.

**Hisarönü:** Hisarönü neighborhood is situated over the Fethiye – Ovacık highway. The neighborhood, which was considered a village not long ago, is now an active tourism center having a bed capacity of 3000 beds in hotels and pensions.

**Ovacık:** Ovacık neighborhood is located over Fethiye – Belçegiz – Ölüdeniz highway having dispersed hotels and pensions within the old settlements.

The project includes 2 pumping stations, namely TM3 and TM9. The location of TM3 is in an authorized area within the development plan. TM9 is planned to be constructed underground within the development plan.

Collector line is partially within the forest area and partially within the development road. While the collector line is diverted from the +320 meter elevation to Fethiye WWTP with gravity, it passes through the development road; so there is no possibility for land.
acquisition. Collector line will be subject to permission procedures for the part that will pass through the forest area.

For the applications submitted to the Regional Directorate of Forestry by the natural and legal entity in relation with the immovable property owned by the Treasury and allocated to the Ministry of Forestry and Water Affairs, it is required that, for the infrastructure and superstructure works included as part of clause 17/3 of the Forestry Law, the application will be evaluated on the documents first and if any deficiencies are found, informing the applicant within ten business days, not evaluating the applications until the deficiencies are completed, and if the documents are complete and appropriate, preliminary permission or final permission report to be issued after the execution of field survey by the committee.

As the required permission to the Directorate General of Forest will be applied by the assigned supervision consultant after they carry out the design works and the budget estimate, Muğla Metropolitan Municipality Directorate General of MUSKI has not made any applications yet.

To summarize, existing roads and lines in the development plan will be used in Fethiye – Hisaronu – Ovacik Sewerage Network and Collector Line Project and public lands will be used to fulfil the land requirement. The subject project is not expected to cause any physical resettlement. Project design does not require acquisition of a new land or establishing easement rights.

There will not be a construction site and in the event that the pipes and construction materials are required to be stored, the areas belonging to the Metropolitan Municipality shall be used as a storage area.

The Google Earth image of the Project area is given in Image 1.
Image 1: Google Earth Image of Project Area
4.5. Technical Specifications of the Project

The project was designed by Özbek Engineering Company with the supervision of Iller Bankasi and the Pumping Station (TM3), as part of Hisarönü and Ovacık Neighborhoods Sewerage Network, which was planned to be located at the elevation of +290 meters will pump the wastewater to +320 meter elevation instead of Kayaköy treatment and then the wastewater will be transmitted to Fethiye WWTP with gravity. The wastewater of the neighborhoods located at the eastern basin of Atatürk Street, which was selected as the route for the transmission of wastewater to the WWTP, will be connected to the collector line to decrease the loads on the existing network.

Construction of Fethiye Sub-province, Ovacık-Hisarönü-Fethiye sewerage network and collector line connection project has been prepared in compliance with the provisions of "Instructions for Planning Sewerage Works and Preparation of Designs" and "Special Specifications for the Final Designs of Sewerage Networks" of Directorate General of Iller Bankasi.

Overall, the purpose of the Project is evaluation of the construction of new pumping station, force mains, sewerage network and collector lines with gravity to transmit the whole wastewater to be generated at the settlements located at Ovacık and Hisarönü localities of Ölüdeniz Neighborhood, Fethiye Sub-province to the Fethiye WWTP. The purpose of the project is transmission of domestic wastewater to be generated in Ovacık and Hisarönü localities of Ölüdeniz Neighborhood to Fethiye WWTP and construction of Fethiye Sewerage Network New Collector Line according to this peak flow rate received. The peak flow rate to be received from Ovacık-Hisarönü localities:

Project Target Population : $N_{2046} = 24,000$ persons  Daily Tourist Number: $5,000$ persons
Daily Water Requirement : $Q_{2046} = 34.00$ l/s  Development Plan Approval Year: 2006
Project Calculation Flow Rate: $Q_{2046} = 68.00$ l/s  Development Plan Area: $1130$ ha
Wastewater Flow Rate for the Daily Tourist : $Q_{2046} = 1.00$ l/s
Total of Special Flow Rates : $Q_{2046} = 25.00$ l/s
Total wastewater flow rate : $Q_{2046} = 94.00$ l/s*

*Calculations are taken from the designs of Özbek Engineering company.

With this peak flow rate, the wastewater from the east sections of Fethiye Atatürk Street is planned to be connected to the collector line, which is planned to pass through Atatürk Street. These neighborhoods can be listed as follows:

- Tuzla Neighborhood  $N_{2016} = 3,000$ persons
- Menteşe Neighborhood  $N_{2016} = 15,000$ persons
- Babataş Neighborhood  $N_{2016} = 3,000$ persons
- Cami Neighborhood  $N_{2016} = 3,500$ persons
- Çatalarık Neighborhood \( N_{2016} = 9,000 \) persons
- Yeni Neighborhood \( N_{2016} = 16,000 \) persons
- Neighborhood to be Included \( N_{2016} = 7,000 \) persons

Many of the neighborhoods within this region already have a sewerage network and the wastewater of the basin is discharged to the coastal collector and then pumped from here via the pumping station. Thanks to this new collector line, coastal collector will be relieved and the repair works of the existing collector line because of underground infiltration will be easier. Infiltration to the collector and network dilutes the quality of the wastewater as well as increasing the costs caused by pumping and treatment of excess water. Neighborhoods at the East Section of Atatürk Street are presented in Image 2; while Schematic Profile Study is given in Figure 1.
Figure 1: Schematic Profile Study
Project applications are as follows:

- **Pipes and Manholes**

  During household connection works, a parcel manhole shall be constructed in front of each home and a maximum gradient of 1/7 and minimum gradient of 1/20 shall be provided from the parcel manhole to the home connection. ø200 mm concrete pipes with pipe sockets in the network shall be connected to the "C" part or the nearest manhole. However, during connection works, the underground installations such as drinking water and telecommunication shall be considered and pipes shall be laid without harming these installations.

  Iller Bankasi’s typical designs shall be used for manholes, parcel manholes, drop manholes, flush manholes, manhole covers and similar structural elements. However, for certain cases where typical designs do not fulfill the requirements of the project (in case
dimensions are too small or the ground is not in good condition, etc.), specific designs shall be produced fulfilling the requirements. This process shall be carried out during the design phase.

All pipes used in the network shall be INTEGRATED SEALED CONCRETE pipes.

The locations of the pipes and manholes will be chosen over the zoned roads; therefore no additional land take will be required. As part of the project, issues that may require land acquisition such as private properties and areas that are not reserved for cadastral roads during the selection of routes and the site works have been eliminated and the line route is planned to pass from zoned roads. The pipes shall be buried. "Fethiye Sewerage Network and Collector Line Project" of MUSKI does not require any land acquisition. The subject project is not expected to generate any occasions that require physical displacement.

- **Pipe Bedding**

Buried pipe lines are subject to the impact of some factors such as soil and traffic loads, as well as channel conditions, bedding and types of backfilling. Principles of the applicable TS 7397 standard shall be considered for the calculations of external loads exerted to the pipes. While calculating the total external load according to the standard, type of the backfilling material and compaction module, as well as channel conditions and bedding type are of utmost importance. However, experiences reveal that, in addition to these factors, the method of construction also has great impact on the pipes.

The strengths of concrete and reinforced concrete pipes are given in TS 821. However, peak pressure loads at $\phi$ 700 mm reinforced concrete pipes can be found through static calculations.

- **Pipe Covering**

The process up to 30 cm above from the top elevation level of the pipe over bedding is called pipe covering.

Covering, removal of shoring and backfilling works are carried out in parallel to each other. Covering material shall be compactable. Covering is a complementary process of bedding.

Wastewater Network Line Channel Typical Cross-Section is presented in Figure 2.
Figure 2: Wastewater Network Line Channel Typical Cross-Section

- Backfilling the Channels

The channels shall be filled up to the design height using heavy trench compactors and vibrator compactors up to 1 m over the pipe following the covering process. Wastewater Network Line Backfill Typical Cross-section is presented in Figure 3.
Figure 3: Wastewater Network Line Backfill Typical Cross-section
The Technical Details section outlines the sewerage network pipe diameters and lengths, as well as the sewerage system excavation-fill cross-section example. The table below presents the data:

**Table 6: Sewerage Network Pipe Diameters and Lengths**

<table>
<thead>
<tr>
<th>DIAMETER S</th>
<th>I. STAGE</th>
<th>II. STAGE</th>
<th>TOTAL</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ø 200 mm.</td>
<td>82,016 m.</td>
<td>41,580 m.</td>
<td>123,596 m.</td>
</tr>
<tr>
<td>Ø 300 mm.</td>
<td>2,804 m.</td>
<td>0</td>
<td>2,804 m.</td>
</tr>
<tr>
<td>Ø 400 mm.</td>
<td>1,197 m.</td>
<td>0</td>
<td>1,197 m.</td>
</tr>
<tr>
<td>Ø 500 mm.</td>
<td>290 m.</td>
<td>0</td>
<td>290 m.</td>
</tr>
<tr>
<td>TOTAL</td>
<td>86,307 m.</td>
<td>41,580 m.</td>
<td>127,887 m.</td>
</tr>
</tbody>
</table>

**Figure 4: Sewerage System Excavation-Fill Cross-section Example**
5. ENVIRONMENTAL AND SOCIAL MANAGEMENT STRUCTURE AND RESPONSIBILITIES

5.1. Environmental and Social Management Structure

Muğla Metropolitan Municipality General Directorate of Water & Sewerage Administration (MUSKI) is a public entity reporting to Muğla Metropolitan Municipality established in accordance with the Law no. 2560 by the Cabinet Decision no. 2014/6072 published on the Official Gazette dated 31.03.2014 with issue no. 28958. Muğla Province became a metropolitan by Law on Making Amendments on Some Laws and Statutory Decrees by Establishing Twenty Seven Sub-provinces and Metropolitan Municipalities in Fourteen Provinces no. 6360, legal entities of villages and town municipalities located within the territorial boundaries of subsidiary sub-provinces were disincorporated; villages became neighborhoods and municipalities were incorporated to their affiliated sub-provincial municipalities as one neighborhood under the names of their towns. MUSKI was established to execute water and sewerage services throughout the province (Image 3).

![Image 3: Administrative Boundaries of Muğla Metropolitan Municipality](image)

Main target and principle of MUSKI is to supply Muğla inhabitants a clean, high quality and healthy drinking water, to use and preserve the water resources in the most efficient way, to ensure the recycling of used waters and to provide high standard services by adopting a modern management approach in its institutional development.

MUSKI is responsible for the preparation, implementation and monitoring of this ESMP. It is also responsible for ensuring the organization of the public participation meeting in order to get the views of the affected communities and groups, together with the contractor, and to create a grievance mechanism and put it into practice.
5.2. Training

The second important aspect for the effective implementation of the ESMP is the training of staff (engineers, technical staff, workers, etc.) who will work in the construction activities. The contractor shall generally inform and train its staff about the environmental issues, and particularly about the ESMP requirements. They can use their own resources for this, as well as receive services from private firms or related departments of universities. The environmental and social training program shall include the following:

- Environmental and social impacts of projects and mitigation measures,
- Understanding the reporting requirements and rules,
- Informing the public institutions about the environmental and social aspects of the projects and the legislation,
- Training on the relations with the community and press members,
- Training on response to environmental accidents,
- Training on recording all kinds of complaints and requests that may arise during the project process in the grievance mechanism of the project and responding in a timely manner,

The contractor is obliged to keep records of the environmental and social training provided to its staff. The effectiveness and adequacy of the training shall be tested by internal audits. The contractor is obliged to ensure that the subcontractor's staff is also trained on the mentioned subjects and take this into consideration while making a contract with the subcontractors.

5.3. Institutional Arrangements, Required Approvals and Permits

The main actors in the implementation of this framework are the Project Management Unit (PMU) of Iller Bankasi and MUSKI, who put forward the project. A summary of roles and responsibilities is given in Table 7.

Main Beneficiary Institution and its Responsibilities

The Municipality has roles and responsibilities regarding the below-mentioned issues:

- Provide health and social aid including public hygiene,
- Enable public works covering the construction of urban roads, bridges and similar infrastructure defined in the development plan, and land acquisition for the construction works,
- Provide culture and training activities,
- Maintain welfare of people including public health and sanitation installation practices as well as agriculture and economy,

Main duties of Water and Sewerage Administrations:

- Responsible for construction and operation of the required environmental infrastructure (drinking water and urban wastewater) in principle.
- Applying to the Directorate General of State Hydraulic Works or Iller Bankasi for assistance regarding financial, technical and construction works.
- Responsible for the construction, operation and maintenance of water supply plants and urban wastewater infrastructure within their service areas.
Table 7: Roles and Responsibilities

<table>
<thead>
<tr>
<th>Financial Roles</th>
<th>Municipality - MUSKI</th>
<th>Iller Bankasi</th>
<th>World Bank</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Application Process</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Financial intermediary</td>
<td>Beneficiary</td>
<td>Financial intermediary</td>
<td>Main finance source</td>
</tr>
<tr>
<td>Examination and analysis of the applications to be submitted to the World Bank</td>
<td>Iller Bankasi</td>
<td>Providing finance</td>
<td></td>
</tr>
<tr>
<td>Provision of request based applications</td>
<td>Iller Bankasi</td>
<td>Providing finance</td>
<td></td>
</tr>
<tr>
<td><strong>Preparation Process</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Implementation of the laws and regulations and the other policies required to be followed by the World Bank through Iller Bankasi</td>
<td>Iller Bankasi</td>
<td>Providing finance</td>
<td></td>
</tr>
<tr>
<td>Ensuring coordination among the selected municipalities to ensure compliance with all the rules and regulations throughout the project</td>
<td>Iller Bankasi</td>
<td>Providing finance</td>
<td></td>
</tr>
<tr>
<td>Forming an internal working structure for the investment options</td>
<td>Iller Bankasi</td>
<td>Providing finance</td>
<td></td>
</tr>
<tr>
<td>Providing finance for the implementation of the laws and regulations and the other policies required to be followed by the World Bank through Iller Bankasi</td>
<td>Iller Bankasi</td>
<td>Providing finance</td>
<td></td>
</tr>
<tr>
<td>Ensuring coordination among the selected municipalities to ensure compliance with all the rules and regulations throughout the project</td>
<td>Iller Bankasi</td>
<td>Providing finance</td>
<td></td>
</tr>
<tr>
<td>Forming an internal working structure for the investment options</td>
<td>Iller Bankasi</td>
<td>Providing finance</td>
<td></td>
</tr>
<tr>
<td>Providing technical guidance to Iller Bankasi</td>
<td>Iller Bankasi</td>
<td>Providing finance</td>
<td></td>
</tr>
<tr>
<td><strong>Number of Personnel</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Assigning a social expert and an environmental expert</td>
<td>Iller Bankasi</td>
<td>Providing finance</td>
<td></td>
</tr>
<tr>
<td>Determination of the team structure</td>
<td>Iller Bankasi</td>
<td>Providing finance</td>
<td></td>
</tr>
<tr>
<td>Assisting Iller Bank in the establishment of a monitoring team</td>
<td>Iller Bankasi</td>
<td>Providing finance</td>
<td></td>
</tr>
<tr>
<td><strong>Roles in the Project</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Preparing the ESMP, preparing LARAP, if required, and establishment of the grievance mechanism</td>
<td>Iller Bankasi</td>
<td>Providing finance</td>
<td></td>
</tr>
<tr>
<td>Main responsible for the monitoring of ESMP and the grievance mechanism</td>
<td>Iller Bankasi</td>
<td>Providing finance</td>
<td></td>
</tr>
<tr>
<td>Reviewing the project development phases</td>
<td>Iller Bankasi</td>
<td>Providing finance</td>
<td></td>
</tr>
<tr>
<td>Put all the project construction works and consultancy services on tender as part of the previously determined rules</td>
<td>Iller Bankasi</td>
<td>Providing finance</td>
<td></td>
</tr>
<tr>
<td>Inspection and monitoring all the processes to ensure that all the environmental and social operational policies of World Bank are properly implemented</td>
<td>Iller Bankasi</td>
<td>Providing finance</td>
<td></td>
</tr>
<tr>
<td>Examination of the submitted reports to identify whether or not the Bank standards are complied.</td>
<td>Iller Bankasi</td>
<td>Providing finance</td>
<td></td>
</tr>
</tbody>
</table>

Responsibilities of the other stakeholders

**Iller Bankasi**

Iller Bankasi is the related institution of Ministry of Environment and Urban Planning. Iller Bankasi has two core functions:

- a) Support infrastructure development at the local level through technical assistance, grants and loans,
- b) Transfer central tax revenues to local authorities,

Municipalities are the stakeholders of Iller Bankasi. Iller Bankasi which plans, builds and finances water supply, sewerage networks, water and wastewater treatment plants, solid waste management systems, sea outfall, geothermal applications and building constructions (municipal buildings, cold storage, station buildings and landscape architecture, etc.) needed by municipalities. Iller Bankasi shall ensure the execution of the following specifically for this project:
• Provide guidance on the preparation of the project documents by MUSKI in accordance with the World Bank requirements and the public participation meetings and relevant announcement requirements,

• Provide guidance to MUSKI officials and consultants about the World Bank’s operational policy requirements (documents and procedures) on cultural assets, land acquisition and involuntary resettlement, natural habitats, forests and international waterways,

• Review documents related to the environmental and social assessment of the project, submit a written opinion to MUSKI’s consultants, and officially approve the documents and procedures in accordance with the requirements of the World Bank operational policies,

• Ensure other agreements regarding the implementation of the requirements of ESMP and other environmental and social protection measures are signed,

• Document the performance, recommendations and additional steps to be taken as part of the overall project inspection to be monitored, inspected and reported every 3 months by MUSKI for the implementation of ESMP requirements and report to the World Bank every 6 months as part of project progress report,

• Have an opinion about the thoughts of the relevant groups and local environmental / social experts on the environmental and social aspects of the project actions and, if necessary, meet with them during site visits,

• Facilitate coordination and communication with the World Bank’s monitoring missions on the environmental and social protection measures of project implementation,

World Bank

The duty of the World Bank is to supervise and approve the use of loan obtained from the Bank as part of the relevant work and compliance of the Tenders and Contracts with the World Bank tender, contract documents and procedures. The transactions to be made will be checked by the Bank in certain periods.

Contractor

The Directorate General of MUSKI is responsible for the environmental and social impacts originating from the project during the construction and operation phases. Before the tender for the construction phase is called, MUSKI shall include the ESMP in the tendering documents and ensure that the Contractor is aware of the environmental and social commitments. The activities that shall be performed by the Contractor and supervised by the Consultant are as follows:
• Practice all the conditions and rules mentioned in the ESMP document, which is a part of the contract document on-site and at the technical office and revise it with MUSKI, if required,
• Provide necessary training to the staff who will work during the construction phase,
• Provide necessary information to MUSKI at the ESMP introduction meeting to be held for the public and non-governmental organizations as part of the project, manage grievance mechanism and regularly report the complaints to MUSKI,
• Regularly monitoring the project activities and drafting quarterly Environmental and Social Monitoring Reports as part of ESMP and submitting those reports to Directorate General of MUSKI.
6. ENVIRONMENTAL AND SOCIAL MANAGEMENT PLAN

6.1. Environmental and Social Background

6.1.1. Geology

The geological formation in the region, from the oldest to the youngest, can be listed as Kayaköy Dolomite, Marmaris Peridotite, Karaböğürtlen Formation, Babadağ Formation, Faralya Formation, Alluvium and Slope Wash. The area where Beydağları Autochthonous, Yeşilbarak Nappe and Lycian nappes are observed at the surface, autochthonous rock units (Beydağları Autochthonous) are found as tectonic windows. Beydağları Autochthonous is represented by the Diışaștepe Formation, composed of Upper Cretaceous age limestones, and Sinekçi Formation composed of Lower Miocene age algal limestone, argillaceous limestone and claystone. Beydağları Autochthonous is tectonically overlain by the Yeşilbarak Nappe; while Yeşilbarak Nappe is tectonically overlain by the Lycian Nappes. Pliocene age lacustrine sediment and Quaternary age terrestrial formations observed as angular unconformity over Lycian Nappes are the top rock layer of the region.

The formations observed at the project city and its vicinity are Kayaköy Dolomite, Marmaris Peridotite, Karaböğürtlen Formation, Babadağ Formation, Faralya Formation, alluvium, slope wash and beach sediments. Ölüdeniz settlement is established on Quaternary age alluvium and slope wash in general. Partially, there are settlements on limestones, Peridotites and Faralya Formation, which are less resistant to abrasion at the west parts of the area. The topography of the areas where limestones are exposed are more steep, which limits the settlement area. There are alluvium sediments at the west part of the settlements and slope washes covers larger areas at the east. Alluvium units are generally fine grained and sands and gravels form lenses. Gravel blocks can be observed more commonly on the banks of the rivers. Slope washes mainly consist of angular, truncate angular pebbles and blocks. The sand and clay sized materials are less common.

6.1.2. Hydrogeology

The survey site consists of dry river (drainage) beds which are indicators of seasonal flows. There are no rivers in the region having continuous flow. There are no lakes within the survey area. Ölüdeniz is located on the coastal line of the Mediterranean Sea.

Formations in the region that carry the groundwater are the sandy gravelly levels of the alluvium at the coastal section. The groundwater in the alluvium can be salty at some locations because of sea water infiltration. The groundwater is limited in the limestones around the Ölüdeniz location. Furthermore, the level of groundwater raises particularly during the rainy seasons at the lower altitudes, such as Ovacık and Hisarönü neighborhoods, and the soil becomes saturated from the surface. However, the situation is vice versa during the summer months and the groundwater level can decrease below up to 3 to 4 meters.

6.1.3. Seismicity

The area is a 1st Degree Earthquake Zone according to the new Turkish Earthquake Zones Map of Turkish Ministry of Public Works and Settlement Directorate General of Disaster Affairs published on 18.04.1996. All construction activities to be carried out within
the area shall be strictly in compliance with the "Regulation on the Buildings to be constructed in Disaster Areas". Turkey earthquake risk map is given in Figure 4 and Muğla Province Earthquake Regions Map is given in Figure 6.

**Figure 4: Turkey Earthquake Risk Map**

**Figure 5: Active Fault Map of Turkey**

**Source: General Directorate of Mineral Research and Exploration-Active Fault Map of Turkey**
An earthquake occurred at the region on 06.10.2016, at 08:03:07 at the Aegean Sea, 51 km to Muğla province Bodrum sub-province of 1.6 (M.L.) magnitude. (Turkish Prime Ministry Disaster and Emergency Management Presidency, Earthquake Department).

Figure 6: Earthquake Zones Map for Muğla Province

Turkish Earthquake Zones Map was prepared by the Turkish Ministry of Public Works and Settlement and came into effect with Council of Ministers’ Decision no 96/8109 dated 18.4.1986. According to this map, Muğla region is in 1st degree earthquake region.

In all types of structures to be built, principles of “Regulations for the structures to be built in disaster areas” of former Ministry of Public Works and Settlement shall be complied with.

6.1.4. Climatic conditions

The climate of the project area is a typical Mediterranean climate, where summers are hot and dry, and the winters are mild and wet. The annual average temperature is 18.3°C. The highest average temperature can be observed in July and August, while the lowest average temperature can be observed in January and February.

6.1.4. Flora and Fauna

Maquis are observed at the coastal zone in Fethiye and its vicinity (at altitudes less than 600 m) and there are conifer forests at the higher altitudes. These forests consist of
European Black Pine, Turkish Pine and Cedar forests. At the coastal areas, there are shrubs, olive groves, oak barrens and citrus trees. Major maquis species found in the area are acorns, wild olive, wild pear, sandalwood, phillyrea, pistacia, carob bush, bay trees, chaste trees, myrtle, chinaberry trees, syrian juniper, willow, acacia, rhus, corncockle. Plane, poplar, alder trees are the common tree species that can be observed by the rivers and waterfronts. The most significant flora species in the region are ophiocordyceps sinensis, thistle, clover, Johnsongrass, couch grass, buckthorn, Lambs quarters, common wild oat, pennyroyal, common barberry, salvia, Anatolian orchid, blackthorn, distaff thistle and yellow star-thistle.

Out of the 5 sea turtle species represented in the Mediterranean basin, 3 species (Caretta caretta, Chelonia mydas, Dermochelys coriacea) are identified in the waters of Turkey. One of the nestling sites for Caretta caretta, and Chelonia mydas species, which are protected under Bern and CITES conventions, is Fethiye-Çağ Beach. 17 mammal species were detected in the region, and yet there are no endemic species among these mammals for Turkey. The most important mammal species in the region is Otters (Lutra lutra). Furthermore, 117 insect species can be observed in the region. The region, which is rich in terms of kind and number of birds, is home to 126 bird species.

6.1.5. Sensitive Areas

A part of the project area is located within the Fethiye-Göcek Special Protection Area which covers an approximate area of 806 km². This area was evaluated and promulgated as protection area with the decision of the Council of Ministers dated 05.07.1988 and numbered 88/13019. Later, the boundaries of the area was finalized with the decision of the Council of Ministers dated 08.11.2006 and numbered 2006/11266. One of the nesting sites of Caretta caretta and Chelonia mydas species which are species under protection according to Bern Convention and CITES is Fethiye Beach. Liquidambar orientalis (Oriental Sweetgum) is one of the endemic species growing in streams, deltas and where base water level is high at Fethiye-Göcek Special Protection Zone. The hardwood oil obtained from sweetgum trees is used in cosmetics and pharmaceutical industry. Göcek Fazil Lycian salamander (Lyciasalamandra fazilae) is an endemic fauna species in the region.

6.2. Environmental and Social Impacts

**Air quality:** Dust formation is expected due to excavation works as part of construction and land preparation works of the project. It is anticipated that the effects are temporary and reversible. In addition, exhaust emissions from construction machinery and equipment are expected. Necessary measures will be taken against the formation of dust and exhaust gas. In this context, construction machinery and equipment and vehicles will be periodically checked and maintained. Therefore, the effects are expected to be low. However, if the emission levels have negative impacts on the sensitive receptors and the communities in the vicinity, additional measures shall be taken.

**Noise:** The noise caused by the construction machinery and vehicles is expected to have a negative impact on sensitive receptors around the project site. With the aim of minimizing the impact, construction works will be carried out during daytime (07:00 a.m. - 07:00 p.m.). The noise levels in the sensitive receptors will be monitored regularly and additional measures will be taken if needed.
**Water and Wastewater:** MUSKI and the supervision consultant are obliged to supply the required water for the project without adversely affecting the groundwater and surface waters. If the excavated trenches are filled with surface water, ground water or rainfall, the potential muddy water in these channels will be discharged, and the water to be discharged will not be directly discharged to the receiving environment. These waters will be discharged to the receiving environment after eliminating the sand and sludge.

**Traffic:** A density in the local traffic is expected as part of the works to be carried out due to vehicles entrances to and exits from the construction sites. Failure to fully enclose the working sites and placement of the necessary warning signs may result in accidents that may threaten community health and safety. In order to prevent those situations, the construction schedule and restrictions on traffic shall be announced to the communities on a timely manner.

**Community health and safety:** MUSKI and supervision consultant shall investigate the area before the excavation and construction works and take necessary measures for the residents of the area. Warning signs shall be installed to the work site and the perimeter shall be surrounded by fences to avoid trespassing. Alternative routes other than the limited roads to be used at the construction area throughout the works shall be announced to inform the public. Public shall be informed by written, oral and audio warning signs to be installed at the construction site and measures shall be taken for the transportation of the individuals with physical challenges. Before the construction works start, there shall be a written notice regarding the work sites and work hours.

**Occupational health and safety:** Construction works can cause accidents that may threaten the health and safety of workers if measures are not taken. Thus, MUSKI and the supervision consultant are obliged to provide safe and healthy work environment to the workers. The workers shall be informed about job descriptions, responsibilities and risks about occupational health and safety. The workers will be provided with the necessary personal protective equipment and information on works and occupational safety through regular trainings. Before the construction works starts, a Risk Assessment Report shall be prepared for all works to be carried out and necessary measures shall be taken to avoid related risks. "Emergency Response Plans" shall be prepared for a possible accident and emergency and emergency teams shall be established and drills and training shall be carried out in line with the emergency scenarios.

**Employment:** Personnel shall be recruited during the construction phase of the project. Local manpower and recruitment options shall be considered to the extent possible. Furthermore, accommodation shall be required for the employees specialized on a particular matter and arriving from out of town. Accommodation shall be provided at areas close to downtown.

MUSKI and sub-consultants shall never allow child labor or forced labor under no circumstances. All Turkish Laws and International Labor Organization Conventions related to child labor, forced labor, discrimination, freedom of association and collective bargaining shall prevail.

Labor influx shall be considered as part of the risks arising from long-term accommodation of the workers at the construction camp area to be established at the work site.
during the construction of the investments. However there will be no camp areas within the work site. The employees shall be recruited from the locals as many as possible. Therefore, labor influx is not expected.

**Waste management:** During the works, vegetative topsoil may need to be excavated from time to time. However, in case the excavation material is more than necessary, keeping in contact with the related institutions, the excess of excavation will be disposed as needed. In addition to the excavation wastes, it is expected that hazardous and non-hazardous solid wastes to be generated. These wastes will be transported and disposed of separately by licensed companies in accordance with local legislations. MUSKI and the supervision consultant are responsible for contacting the licensed companies and ensuring the recovery / disposal of all wastes as part of local legislation and WB criteria.

All employees to be recruited shall be provided training to raise awareness on waste reduction and waste management.

**Natural Habitats:** Project area covers the Fethiye-Göcek Special Protection Zone which is protected according to the national legislation. As Caretta caretta and Chelonia mydas species within the Special Protection Zone nest at the Fethiye beach, the project is not expected to have any impact on the protection area. Furthermore, oriental sweetgum and Göcek Fazil Lycian salamander are other endemic species in the region. As the project area is mostly within the city borders, no impacts on these species are expected. And yet Fethiye-Göcek Special Protection Zone Plan provisions shall be followed.

**Cultural assets:** At this stage of the project, no impact on cultural assets is anticipated. For accidental findings, a chance-finds procedure will be established in accordance with the Turkish legislation, in which case communication will be established with the relevant authorities and the legislation will be implemented.

**Land Acquisition:** Within the legal framework in Turkey, land acquisition and expropriation issues are regulated pursuant to Law No. 2942 (amended by Law No. 4650 in 2001). The purpose of this Act is to determine the procedures for the expropriation of immovable properties in the possession of real persons and/or private or legal entities in the case of expropriation of immovable properties under the possession of either real or private legal entities, to identify the proceedings and procedures, expropriation value assessment procedures and studies, transfer and registration issues, mutual rights and obligations as well as the methods and remedies to solve the disputes that may arise from such expropriation.

As part of the project, issues that may require expropriation such as private properties and areas that are not reserved for cadastral roads during the selection of routes and the site works are eliminated and the line route is planned to pass from zoned roads. The pipes shall be buried. "Fethiye Sewerage Network and Collector Line Project" of MUSKI will not require any land acquisition. The subject project is physically not expected to generate any occasions that require physical displacement.

The old route shall be mostly used for the sewage line route to be constructed. Therefore, no impact on the structures located within the project area nor physical resettlement is expected.
"Fethiye Sewerage Network and Collector Line Project" of MUSKI does not require any land acquisition. No easement or ownership right will need to be established for the components such as pumping stations, sewerage pipeline etc.. No additional access roads shall be required during the construction period and no private property shall be required for permanent or temporary use.

In the event that the pipes and construction materials are required to be stored, the areas owned by the Metropolitan Municipality shall be used as a storage area.

6.3. Mitigation Plan

As part of the planned project, Mitigation Plan has been prepared for each phase of the project to mitigate the impacts on the land, water, air and other environments.

6.3.1. Mitigation Plan for the Construction Phase of the Sewage Network and Collector Line

<table>
<thead>
<tr>
<th>Phase</th>
<th>Subject</th>
<th>Rehabilitation Measure</th>
<th>Cost</th>
<th>Corporate Responsibility</th>
</tr>
</thead>
<tbody>
<tr>
<td>Construction</td>
<td>Transportation</td>
<td>• Install clearly visible warning and informative signs around the construction site,</td>
<td>To be covered as part of the Project</td>
<td>MUSKI, Consultant</td>
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<tr>
<td></td>
<td>Safety</td>
<td>• Limit working hours,</td>
<td>Budget.</td>
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<td>• Inform the residents about the works to be executed at least one week in advance,</td>
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<td>• Identify alternative roads not to cause any problems in the roads used by the local</td>
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<td>public during the work hours,</td>
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<td>• Build temporary pedestrian walks or walkways for the safety of the in compliance</td>
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<td>with the requirements for the passage of individuals with physical challenges,</td>
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<td></td>
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<td>• Take measures to avoid any trespassing of animals, such as cats, dogs, etc. from</td>
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<td>the excavation area,</td>
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<td>• Conform to speed limits,</td>
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<td>• Inform the drivers who will be working during construction and work machine operators</td>
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<td>about safe driving,</td>
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<td>• Avoid any damage on the existing roads during the construction works; otherwise</td>
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<td>compensate the cost, in the event of any damage.</td>
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<tr>
<td>Phase</td>
<td>Subject</td>
<td>Rehabilitation Measure</td>
<td>Cost</td>
<td>Corporate Responsibility</td>
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<tr>
<td>Construction</td>
<td>Pedestrian Safety</td>
<td>• Perimeter safety of the worksite shall be established and warning signs shall be installed to sustain safety and security.</td>
<td>To be covered as part of the Project Budget.</td>
<td>MUSKI, Provincial Directorate of Environment and Urban Planning, Supervision consultant</td>
</tr>
</tbody>
</table>
| Construction| Traffic       | • Take safety measures for the traffic flow in line with the approved traffic circulation projects and install warning signs,  
• Inform drivers about the alternative passage routes, | To be covered as part of the Project Budget. | MUSKI, Provincial Directorate of Environment and Urban Planning, supervision consultant |
<table>
<thead>
<tr>
<th>Phase</th>
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</tr>
</thead>
</table>
| Construction | Solid Wastes     | • Take measures for minimum waste generation.  
• Temporary storage of all non-hazardous wastes and excavated materials generated due to construction works at the solid waste storage area without having impacts on the environment and by defining the waste categories (recyclable, hazardous, inert, non-hazardous, etc.) in line with the national legislation and World Bank criteria,  
• Use reusable rocks, soil and other materials for the project,  
• Enable disposal of non-reusable non-hazardous and hazardous wastes at licensed facilities in line with the legislation,  
• Keep records of waste generation, storage and disposal,  
• Provide training to the employees regarding waste management practices,  
• Collect all excess excavation material at a storage area selected by the officials of the municipality. |
|              |                  | To be covered as part of the Project Budget.                                                                                                                                                                         |                                               | MUSKI, Provincial Directorate of Environment and Urban Planning, Supervision consultant |


<table>
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<tr>
<th>Phase</th>
<th>Subject</th>
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</tr>
</thead>
</table>
| Construction  | Hazardous Wastes   | • Regularly review the conditions of the vehicles and other machinery equipment to be used during the course of the works,  
• Keep appropriate equipment at the site to store fuel oil and oil in compliance with the related legislation for the isolation and cleaning of the area in the event of a spill,  
• Define the actions to be taken in the event of an emergency and assign emergency teams; Keep appropriate cleaning equipment for spills and accidents and assign cleaning teams.  
• Store waste oils and other hazardous wastes to be generated and dispose to the licensed facilities (recycle) according to the related regulations. | To be covered as part of the Project Budget. | MUSKI, Provincial Directorate of Environment and Urban Planning, Supervision consultant  |
<table>
<thead>
<tr>
<th>Phase</th>
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<th>Corporate Responsibility</th>
</tr>
</thead>
<tbody>
<tr>
<td>Construction</td>
<td>Impacts on the existing infrastructure</td>
<td>• Inform the relevant institutions (gas, electricity, telecommunication, fuel lines, etc.) before commencing the construction works and obtain necessary permits to avoid any damage to the other structures.</td>
<td>To be covered as part of the Project Budget</td>
<td>MUSKI, Provincial Directorate of Environment and Urban Planning</td>
</tr>
<tr>
<td>Construction</td>
<td>Periodic cuts in water supply</td>
<td>• Schedule water cuts together with the water supply company and inform people in advance to minimize the impacts on the community.</td>
<td>To be covered as part of the Project Budget</td>
<td>MUSKI, Provincial Directorate of Environment and Urban Planning</td>
</tr>
</tbody>
</table>
| Construction | Land Use                              | • Minimize the areas where the vegetation is required to be removed  
• Re-lay the top soil removed following the completion of works or re-vegetate the area | To be covered as part of the Project Budget                         | MUSKI, Provincial Directorate of Environment and Urban Planning, Consultant |
### FETHIYE – HISARONU – OVACIK
SEWERAGE NETWORK AND COLLECTOR LINE

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<tr>
<th>Phase</th>
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</tr>
</thead>
</table>
| Construction | Cultural Heritage      | • Cease all activities and contact related authorities in the event of finding historic artifacts and materials that may have a cultural or historical value,  
• Organize all required measures to protect the related area,  
• Not continue any activities until an official instruction is received. | To be covered as part of the Project Budget. | MUSKI, Regional Board Directorate for the Protection of Cultural Assets, Consultant Company |
|              |                        |                                                                                        |                                           |                                                   |

### Construction Noise

<table>
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<tr>
<th>Phase</th>
<th>Subject</th>
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<th>Corporate Responsibility</th>
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</thead>
</table>
| Construction | Noise    | • Limit working hours,  
• Define a schedule and/or other kinds of restrictions for the works carried out,  
• Inform the residents of nearby settlements about the time of construction activities,  
• Comply with the (daytime) 70 dBA (Environmental Noise Assessment and Management Regulation) limit value for continuous worksite noise,  
• Determine and follow up the periodic maintenance and lubrication schedules for the work machines, and renew the parts which may cause excessive noise to ensure the compliance to limit values,  
• Train employees on noise mitigation measures and reducing the noise generation. | To be covered as part of the Project Budget. | MUSKI, Provincial Directorate of Environment and Urban Planning, Supervision consultant |
<table>
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</thead>
<tbody>
<tr>
<td></td>
<td>Construction Noise from construction and excavation machines and equipment</td>
<td>• Carry out the excavation plan only between 7:00 AM and 7:00 PM, In the event night shifts are required.</td>
<td>To be covered as part of the Project Budget.</td>
<td>MUSKI, Provincial Directorate of Environment and Urban Planning, Supervision Consultant</td>
</tr>
<tr>
<td></td>
<td>Construction Dust</td>
<td>• Close or cover the haulage of trucks that transport materials,</td>
<td>To be covered as part of the Project Budget.</td>
<td>MUSKI, Provincial Directorate of Environment and Urban Planning, Supervision Consultant</td>
</tr>
<tr>
<td></td>
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<td>• Irrigate locations where there is dust,</td>
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<td>• Remove excess material and clean the work site after the completion of works,</td>
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<td>• Use of protective covers or curtains for the areas where most of the dust is formed.</td>
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<td>Phase</td>
<td>Subject</td>
<td>Rehabilitation Measure</td>
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</tbody>
</table>
| Construction  | Management of excavation materials | - Reuse most of the excavated materials in the backfilling of the excavation site and transport the remaining part to an area designated by the Metropolitan Municipality,  
- Cover the excavation soil which will be stored within the area for a short time with canvas or plastic material to avoid erosion or washouts. | To be covered as part of the Project Budget. | MUSKI, Provincial Directorate of Environment and Urban Planning, Supervision consultant |
| Construction  | Material supply (sand, concrete pipes, etc.) | - Provide all materials supplied for the project from quarries / companies / suppliers that have valid work licenses and EIA certification,  
- Prefer local suppliers, if applicable, | To be covered as part of the Project Budget. | Supervision Consultant                      |
<table>
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<tr>
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<th>Rehabilitation Measure</th>
<th>Cost</th>
<th>Corporate Responsibility</th>
</tr>
</thead>
</table>
| Construction | Occupational health and safety | • Follow all regulations, procedures and principles published regarding occupational health and safety as part of Labor Law throughout the construction phase,  
• Prefer people with appropriate education/training regarding the work area that they will be recruited for,  
• Ensure the consultant assigns a personnel in charge of occupational health and safety,  
• Provide safe and healthy work environment for the employees,  
• Ensure the consultant uses all required protective equipment (helmet, safety belt, safety outfit, goggles, mask, steel cap boots, gloves, etc.) for occupational health and safety,  
• Provide training to the personnel on occupational health and safety issues,  
• Inform all personnel about the required safety rules, risks and related regulations to be followed at the construction site throughout the construction period,  
• Follow work procedures for confined areas,  
• Ensure employees work in a fair-treated work environment. | To be covered as part of the Project Budget. | Supervision consultant (under the supervision of MUSKI) |
environment with no discrimination and offer equal opportunities for all personnel employed,

- Before the construction works start, a Risk Assessment Report shall be prepared for all works to be carried out and necessary measures shall be taken to avoid these risks. Prepare "Emergency Plans" for a possible accident and emergency; and build emergency teams; carry out drills and training in line with the emergency scenarios,
- Provide toolbox talks to the employees indicating the possible risks regarding the work site and works to be carried out.

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<tr>
<th>Phase</th>
<th>Subject</th>
<th>Rehabilitation Measure</th>
<th>Cost</th>
<th>Corporate Responsibility</th>
</tr>
</thead>
</table>
| Construction| Public participation and disclosure         | - Disclose ESMP to the public for the public to access and comment on the ESMP.  
- Prepare disclosure documents regarding the project including the construction schedule. (Posters, brochures, leaflets, vb.).  
- Establish and apply a grievance mechanism and inform the public about the mechanism,  
- Hold consultation meetings with the local communities regarding the project components and activities, | To be covered as part of the Project Budget. | MUSKI and supervision consultant |
6.3.2. Mitigation Plan for the Operation Phase of the Sewage Network and Collector Line

<table>
<thead>
<tr>
<th>Phase</th>
<th>Subject</th>
<th>Rehabilitation Measure</th>
<th>Cost</th>
<th>Corporate Responsibility</th>
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</thead>
</table>
| Operation / Usage | Sewage Pipeline | • The compliance of the whole sewage system shall be checked regularly.  
• Eliminate the reasons that cause blockage immediately, in the event of any blockage; clean pipeline and clean and disinfect the area where sewage is spilled,  
• Sanction the related parties in the event of any damage, | To be covered as part of the Project Budget | MUSKI, related inspection authorities and public institutions |
<table>
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<tr>
<th>Phase</th>
<th>Subject</th>
<th>Rehabilitation Measure</th>
<th>Cost</th>
<th>Corporate Responsibility</th>
</tr>
</thead>
<tbody>
<tr>
<td>Operation / Usage</td>
<td>Water Resources and Water Quality</td>
<td>• Safely remove the contents of the septic tanks, which have not been rehabilitated, if any, empty and refill the tanks.</td>
<td>To be covered as part of the Project Budget.</td>
<td>Plant owners and related inspection authorities</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Phase</th>
<th>Subject</th>
<th>Rehabilitation Measure</th>
<th>Cost</th>
<th>Corporate Responsibility</th>
</tr>
</thead>
</table>
| Operation / Usage | Noise from pumps and pumping stations| • The noise level within 100 meters to the plant shall not exceed 60 dBA. Accordingly, noise insulation shall be ensured in the pumping stations. Blower motors shall have an acoustic cabin to prevent the noise from the source and the plant's interior walls shall be sound insulated.  
• Regular (monthly) maintenance of all mechanical equipment that may cause noise shall be carried out.  
• The oil levels of the equipment and their equipment such as silencers, etc. shall be checked 4 times a year (seasonally). A long term natural sound insulation can be ensured by planting trees around the pumps and the promotion centers.  
• The complaints from the receptors, who are close to pumping stations and could be exposed to noise, shall be monitored, recorded and necessary measures shall be taken to mitigate the impact. A Grievance Close-out Form shall be filled in. | To be covered as part of the Project Budget. | MUSKI                                    |
<table>
<thead>
<tr>
<th>Phase</th>
<th>Subject</th>
<th>Rehabilitation Measure</th>
<th>Cost</th>
<th>Corporate Responsibility</th>
</tr>
</thead>
</table>
| Operation / Usage | Community health and occupational safety (pumping stations) | - The buildings where the mechanical and electrical equipment are located shall have warning signs.  
- Provide toolbox talks to the maintenance personnel indicating the possible risks regarding the work site and works to be carried out, supervise the works and periodically repeat the training,  
- Procure and provide the personal protective equipment, which is defined in the risk assessment report and to be used/worn during works, to the maintenance personnel and supervise the use of PPEs,  
- The work site shall be protected by wires, fences, etc. to avoid unauthorized entrance.  | To be covered as part of the Project Budget. | MUSKI                     |
| Operation / Usage | Community health (pumping stations - odor) | - The operation status of the mechanical equipment shall be continuously supervised through the automation systems (SCADA, etc.).  
- Physical treatment units shall be cleaned.  
- An odor removal unit shall be installed.  | MUSKI resources       | MUSKI                     |
<table>
<thead>
<tr>
<th>Phase</th>
<th>Subject</th>
<th>Rehabilitation Measure</th>
<th>Cost</th>
<th>Corporate Responsibility</th>
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</thead>
</table>
| Operation / Usage | Community health and occupational safety (from channel cleaning)      | • During channel cleaning works, necessary safety measures shall be taken before the works start. The work area shall be surrounded by safety fences to control the entrances and exits and visual, audio and flashing warning signs shall be installed.  
• Precautions shall be taken against the risks of methane (CH$_4$) and hydrogen sulfide (H$_2$S) gases that can be generated during channel cleaning processes. Hence, a portable methane (CH$_4$) and hydrogen sulfide (H$_2$S) measurement equipment shall be provided and CH$_4$ and H$_2$S measurements shall be taken before cleaning the manholes.  
• Toolbox talks shall be provided to the maintenance personnel indicating the possible risks regarding the work site and works to be carried out, the works shall be supervised and training shall be repeated periodically.  
• Personal protective equipment, which is defined in the risk assessment report and to be used/worn during works, shall be procured and provided to the maintenance personnel and the use of PPEs shall be supervised.  
• When there is an overflow of the sewage, first of all, accumulated wastewater shall be surrounded and hygiene measures shall be To be covered as part of the Project Budget. | MUSKI                                     |
6.4. Monitoring Plan

Environmental monitoring provides information on key environmental issues, especially on the efficiency of measures that were taken and environmental impacts of the project at the implementation stage of the project. Such information enables the evaluation of success of the measures which are a part of project supervision for the project owner and for supervision mechanism and to allow execution of proper action whenever necessary. Accordingly, monitoring and measurement plan has been prepared.
### 6.4.1. Monitoring and Measurement Plan for the Construction Phase of the Sewage Network and Collector Line

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<tbody>
<tr>
<td>Transportation Safety and Transportation Interruptions</td>
<td>Construction</td>
<td>At relevant area and its vicinity</td>
<td>According to the complaints received from the community within the vicinity of the project area or the ones affected from transportation activities Through controlling the warning and informing signs</td>
<td>Daily throughout the activities</td>
<td>Prevent transportation interruptions and provide transportation safety and security</td>
<td>To be covered within the project budget.</td>
<td>Supervision consultant, regulating authority</td>
</tr>
<tr>
<td>Dust generation</td>
<td>Construction</td>
<td>At relevant area and its vicinity</td>
<td>Visually -in the event of irritation in the respiratory system -and according to the complaints received from the population within the vicinity of the project</td>
<td>Weekly throughout the activities</td>
<td>To protect the employees' and community health and Air Quality</td>
<td>To be covered within the project budget.</td>
<td>Supervision consultant, Provincial Directorate of Environment and Urban Planning</td>
</tr>
<tr>
<td>Unpleasant Noise, Vibration and Exhaust Gas Impacts</td>
<td>Construction</td>
<td>At relevant area and its vicinity</td>
<td>Visually, depending on the respiratory system disorders Complaints from the population within the vicinity of the project and employees</td>
<td>Weekly throughout the activities</td>
<td>To protect the employees' and community health and Air Quality</td>
<td>To be covered within the project budget.</td>
<td>Supervision consultant, Provincial Directorate of Environment and Urban Planning</td>
</tr>
<tr>
<td>Fuel oil, oil, antifreeze, etc. spills</td>
<td>Construction</td>
<td>Under and around the storage or usage locations for the materials.</td>
<td>Visual inspection to detect spills</td>
<td>Daily throughout the activities</td>
<td>To prevent inappropriate storage, transportation and disposal</td>
<td>To be covered within the project budget.</td>
<td>Supervision consultant, Provincial Directorate of Environment and Urban Planning</td>
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<tr>
<td>Decreases in the air quality because of machine emissions</td>
<td>Construction</td>
<td>At relevant area and its vicinity</td>
<td>Visually -based on the irritation in the respiratory system - and according to the complaints received from the employees and the population within the vicinity of the project</td>
<td>Weekly throughout the activities</td>
<td>To protect the employees' and community health and Air Quality</td>
<td>To be covered within the project budget.</td>
<td>Supervision consultant, Provincial Directorate of Environment and Urban Planning</td>
</tr>
<tr>
<td>Removing the Vegetation and Revegetation of the Site Later</td>
<td>Construction</td>
<td>At relevant area and its vicinity</td>
<td>Visually during the activities, through investigation and photographing before and after the activities</td>
<td>Before and after the construction works</td>
<td>Protection of green areas</td>
<td>To be covered within the project budget.</td>
<td>Supervision consultant, Provincial Directorate of Environment and Urban Planning</td>
</tr>
<tr>
<td>Alterations in the land structure because of excavation works and debris collection, erosion</td>
<td>Construction</td>
<td>Related area</td>
<td>Visually, geotechnical investigations</td>
<td>Before and after the commencement of works</td>
<td>Protection of natural soil structure</td>
<td>To be covered within the project budget.</td>
<td>Supervision consultant, regulating authority</td>
</tr>
<tr>
<td>Finding historic artifacts and other materials that have historic values</td>
<td>Construction</td>
<td>At relevant area and its vicinity</td>
<td>During the activities, visually, records kept during the construction period</td>
<td>Daily throughout the activities</td>
<td>Protection of cultural heritage</td>
<td>No cost</td>
<td>Supervision consultant, Regional Board Directorate for the Protection</td>
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<tr>
<td>Damage to the existing water-related infrastructure and equipment</td>
<td>Construction</td>
<td>At relevant area and its vicinity</td>
<td>During the activities, visually, records kept during the construction period</td>
<td>Daily throughout the activities</td>
<td>In order to avoid damage to the water-related infrastructure or to response as soon as a damage occurs</td>
<td>No cost</td>
<td>Supervision consultant, DSI Regional Directorate, owners of the plants, related inspection authorities</td>
</tr>
<tr>
<td>Periodic cuts in water supply</td>
<td>Construction</td>
<td>All related areas and the whole water supply system</td>
<td>Information provided by the community, based on records</td>
<td>Daily throughout the activities</td>
<td>To prevent adverse impacts on local community</td>
<td>No cost</td>
<td>Supervision consultant, DSI Regional Directorate, MUSKI</td>
</tr>
<tr>
<td>Community health and occupational safety</td>
<td>Construction</td>
<td>Construction area Construction camp site</td>
<td>On-site inspection: On-site inspection for the presence of the warning signs placed to protect the citizens from accidents and from hazardous and harmful wastes, via surveys.</td>
<td>Daily throughout the activities</td>
<td>Protection of community health and occupational safety</td>
<td>To be covered as part of the Project Budget.</td>
<td>Supervision consultant, MUSKI</td>
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<tr>
<td>Grievance Mechanism</td>
<td>Construction</td>
<td>Construction and work site</td>
<td>&quot;Grievance &amp; Suggestion Forms&quot; distributed around and nearby the work site shall be collected by the assigned personnel and submitted to MUSKI. The grievances received through the website, by phone and in written to the attention of MUSKI shall be monitored by MUSKI. &quot;Grievance Close-out Form&quot; shall be filled in.</td>
<td>Daily throughout the activities</td>
<td>Protection of community health and occupational safety</td>
<td>To be covered as part of the Project Budget.</td>
<td>Supervision consultant, MUSKI</td>
</tr>
<tr>
<td>Occupational Safety - personnel protective equipment and toolbox talks</td>
<td>Construction</td>
<td>Construction and work site</td>
<td>Fill in a delivery form for the personal protective equipment, Supervise the use of personal protective equipment during site audits, Provide Basic Training during the commencement of works and further training monthly in line with the regulation and keep the records of the training, as part of the Regulation on the Principles and Procedures of Occupational Health and Safety Training, Test and evaluate after the training,</td>
<td>Throughout the activities</td>
<td>Occupational health and safety, preserve occupational health and safety and avoid accident risks</td>
<td>To be covered as part of the Project Budget.</td>
<td>Supervision consultant, MUSKI</td>
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<tr>
<td>Cultural Structure</td>
<td>Construction</td>
<td>At the construction site</td>
<td>Construction site chief shall talk to employees and guide them about their relationship with the local community.</td>
<td>Continuously throughout the project's construction period</td>
<td>To avoid possible disagreements</td>
<td>No cost</td>
<td>MUSKI, Supervision consultant</td>
</tr>
<tr>
<td>Employees and Community Accident Statistics</td>
<td>Construction</td>
<td>Construction and work site</td>
<td>Data acquired through site supervisions and feedbacks shall be recorded via incident report and submitted to the attention of MUSKI officials the very same day. MUSKI will immediately notify Iller Bankasi, and Iller Bankasi will notify the World Bank about the incident in 5 business days, and in 30 business day about the incident investigation report together with the corrective action plan.</td>
<td>Daily throughout the activities</td>
<td>Protection of community health and occupational safety</td>
<td>To be covered as part of the Project Budget.</td>
<td>Supervision consultant, MUSKI</td>
</tr>
</tbody>
</table>
### 6.4.2. Monitoring and Measurement Plan for the Operation Phase of the Sewage Network and Collector Line

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<thead>
<tr>
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<tbody>
<tr>
<td>Blockage of the pipeline and spilling of sewer waters to the surface</td>
<td>Operation</td>
<td>At relevant area and its vicinity</td>
<td>Continuous control of system operations visually and through the notifications of the public</td>
<td>Continuous</td>
<td>To protect water quality and community health</td>
<td>MUSKI</td>
<td>MUSKI</td>
</tr>
<tr>
<td>Damage to the pipeline, damage to or stealing of the covers of the revision entrances</td>
<td>Operation</td>
<td>Related area</td>
<td>Continuous control of system operations visually and through the notifications of the public</td>
<td>Continuous</td>
<td>To protect water quality and community health</td>
<td>To be covered by the damaging party.</td>
<td>MUSKI, related inspection authorities and public institutions</td>
</tr>
<tr>
<td>Noise</td>
<td>Operation</td>
<td>At pumping stations</td>
<td>With noise measurement equipment</td>
<td>Periodically (once a month is suggested) and in the event of complaint</td>
<td>In order to protect community health</td>
<td>MUSKI</td>
<td>MUSKI</td>
</tr>
<tr>
<td>Odor</td>
<td>Operation</td>
<td>At pumping stations</td>
<td>To be monitored through continuous supervision and community feedbacks. &quot;Grievance Close-out Form&quot; shall be filled in.</td>
<td>Weekly Regular Supervision - Community feedbacks</td>
<td>In order to protect community health</td>
<td>MUSKI</td>
<td>MUSKI</td>
</tr>
<tr>
<td>Operation</td>
<td>Work Site</td>
<td>Task Description</td>
<td>Frequency</td>
<td>Task Description</td>
<td>Responsibility</td>
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</tr>
<tr>
<td>Occupational Safety - personnel protective equipment and toolbox talks</td>
<td>Pumping Stations – Work Sites</td>
<td>Fill in a delivery form for the personal protective equipment, supervise the use of personal protective equipment during site audits, provide basic training during the commencement of works and further training monthly in line with the regulation and keep the records of the training, as part of the Regulation on the Principles and Procedures of Occupational Health and Safety Training. Test and evaluate after the training, prepare work permits.</td>
<td>Daily throughout the activities</td>
<td>Occupational health and safety, preserve occupational health and safety and avoid accident risks</td>
<td>To be covered as part of the Project Budget.</td>
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</tr>
<tr>
<td>Community health and safety</td>
<td>Operation - Work Sites</td>
<td>On-site inspection of: Warning signs installed to protect the citizens from accidents and hazardous and dangerous wastes, barriers and fences, etc. to avoid any trespassing.</td>
<td>Daily throughout the activities</td>
<td>Protection of community health and occupational safety</td>
<td>To be covered as part of the Project Budget.</td>
<td></td>
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</tr>
<tr>
<td>Grievance Mechanism</td>
<td>Operation - Construction and work site</td>
<td>The grievances received through the website, by phone and in written to the attention of MUSKI shall be monitored. &quot;Grievance Close-out Form&quot; shall be filled in.</td>
<td>Daily throughout the activities</td>
<td>Protection of community health and occupational safety</td>
<td>To be covered as part of the Project Budget.</td>
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</table>
7. ENVIRONMENTAL AND SOCIAL MONITORING REPORT

Environmental and social issues included in mitigation measures will be monitored and supervised by experts assigned by Bank for the Provinces. Although environmental and social impacts are expected to be at a very low level, potential negative environmental impacts are planned to be prevented or mitigated at construction and operation stages.

Environmental Monitoring System will include the following:

- General Environment
- Air emissions
- Soil
- Surface and ground waters
- Biodiversity
- Noise and dust emissions
- Social Monitoring

İller Bankası shall supervise sub-projects regularly during construction and operation phases in order to ensure proper implementation of ESMP. If İller Bankası identifies any problem in the implementation of ESMP, it shall inform relevant municipality accordingly and shall come to an agreement with regard to the measures that has to be taken for solving the subject issues. Bank for the Provinces will present its findings in six month progress reports to World Bank. In order to bring any other problems to World Bank's attention, they can also present reports whenever necessary with shorter intervals. World Bank project team shall visit project sites as part of the project supervision activities with certain intervals or whenever necessary.

MUSKI shall supervise works realized by supervision consultant during construction and operation phases in line with environmental and social management plans (ESMP) and hire expert environmental consultants to assist them in adequate follow-up of ESMP. MUSKI shall work in coordination with İller Bankası during the preparation and monitoring of ESIA and ESMP and grievance mechanism.

Before implementation of the project, a transparent and comprehensive grievance mechanism shall be established to receive and solve concerns, questions and complaints of communities affected from the project's environmental and social aspects. The system shall enable proper recording of complaints, concerns and requests of affected people and evaluation of these in a timely manner. The system to be established shall be announced and introduced before the construction, and open to all project stakeholders (including the project staff) to convey their complaints and requests.

Several issues such as compliance criteria of sites that the project components overlap, compensation, etc. might cause complaints. MUSKI shall provide appropriate procedures to effectively solve the problems of the affected people in a timely manner and without causing any unjust suffering. Moreover, MUSKI shall take special measures to provide equal accession of sensitive groups (e.g. senior citizens, disabled, etc.), in particular, to grievance resolving mechanisms. MUSKI shall exert all necessary efforts for the announcement of project's grievance mechanism for affected people and settlement(s) through all types of disclosure and consultation meetings throughout the project duration. MUSKI can allocate a contact person (name/position) accessible to whom all types of problems (concerns, complaints, requests, etc.) related to the project.
can be conveyed, including those that are related to land during the construction phase. This person shall be responsible for keeping records of these filed complaints. MUSKI and local office shall ensure handling and resolving of all complaints in a timely manner; in line with World Bank requirements. Grievance mechanism shall be presented by MUSKI in semi-annual reports, particularly when the construction works start.

There shall be more than one grievance channel which can be listed as follows:

- through CIMER (Presidency Communication Centre)
- through MUSKI website
- By phone
- By filling in and conveying of complaint forms that shall be available at project site and neighborhood headman's office

All complaints shall be given a document receipt number and in accordance with their subject, along with their print-outs, shall be conveyed to relevant sections and resolution process shall be started. Issues whether or not solved shall be followed up together with the time concern.

Telephone contact numbers of institutions and also persons in charge and MUSKI addresses were given to Mukhtar’s offices. It was announced that in case of a demand for information on any related issue, contact can be established through MUSKI Call Centre. Moreover, the existing website shall be updated including the project, a special project page shall be provided to enable the stakeholders to follow up the developments through the website. "Grievance & Suggestion Form" shall be used before the construction phase through the website.

Grievances shall be recorded daily and submitted to the attention of the related department of MUSKI. Related department shall contact the complainant and offer a solution. "Grievance Close-out Form" shall be filled in and project activities shall be monitored regularly. As part of ESMP, Environmental and Social Monitoring Reports shall be prepared.
8. PUBLIC PARTICIPATION

A. MEETING SCHEDULE

Meeting Announcement Method : Newspapers, Notices, Announcement  
Date of Meeting : 02.08.2018, Time: 2:00 PM  
Meeting Venue : Ölüdeniz Mahallesi, Ölüdeniz Caddesi, No:3  
Ölüdeniz Municipality Hall  
Attendees : Information regarding the attendees is enclosed.  
Meeting Schedule :  
1. Opening Speech (MUSKI)  
2. Turkey’s National Anthem and a Moment of Silence  
3. Project Introduction (ARÜV)  
4. Discussions  
5. Closing Speech and Acknowledgments (MUSKI)

B. METHODS USED TO REFLECT THE PUBLIC OPINIONS TO THE REPORT

Before the public participation meeting, General Directorate of MUSKI sent an invitation to the public institutions for the meeting on July 18, 19, 24 and all neighborhood headmen were informed. The headmen were requested to announce the prepared notices to the community by proper means (announcement, on boards, etc.). The notice published is given in Image 4. The photos of the notices hang on boards and the official report of the notice were submitted to MUSKI. (Image 5)

Public Participation Meeting was published on page 6 of the Fethiye Newspaper dated 20.07.2018 and announced on the website of MUSKI. (Image 6)

Brochures promoting the project were published to be distributed before and during the meeting. (Image 7)

A PowerPoint presentation was prepared for Public Participation Meeting, which included promotion of the project. In presentations, description of the project, its importance, environmental and social impacts were supported with figures and photographs. Impacts regarding construction and operation stages of the project were evaluated and presented as two separate stages. (Image 8)

A "Public Participation Meeting" was held at Ölüdeniz Municipality Hall on 02.08.2018 to inform the locals who may be affected from the project about the project and hear their comments and suggestions. (Image 9)
DUYURU

(Çevresel Ve Sosyal Yönetim Planı) ÇSYP Süreci Halkın Katılımı Toplantısı

T.C. Muğla Büyükşehir Belediyesi Su ve Kanalizasyon İdaresi (MUSKI) Genel Müdürlüğü tarafından yapılması planlanan; "Dünya Bankasının Çevresel Değerlendirmesi Yönlü Sermaye Politikası (O.P. 4.01)" ve "İl Bankası Sürdürülebilir Şehir Projesi" kapsamında "Mercan Alanında Antalya ve Teşifi İşleyen Mekanik Ekspanlıları Yenilenmesi" ile "Fethiye – Hisaronu – Ovacık Kanalizasyon Sebeke ve Kollektör Hattı" projeleri için aşağıdaki belirttiğimiz saatte halka bilgilendirilmiştir, görüşe ve öneriye alınmak için "Halkın Katılımı Toplantısı" yapılacak.

Halkımızın saygı ile duyurulur.

Toplantı Yeri : Olüdeniz Belediye Hizmet Binası
Toplantı Yerinin Adresi : Olüdeniz Mahallesi, Olüdeniz Caddesi, No:3
48146 Fethiye/MUĞLA
Toplantı Tarihi ve Saati : 02.08.2016 – 14.00

Proje Sahibi : T.C. Muğla Büyükşehir Belediyesi Su ve Kanalizasyon İdaresi Genel Müdürlüğü (MUSKI)
Tel : (0252) 214 88 86
Faks : (0252) 214 88 06
www.muski.gov.tr info@muski.gov.tr

ÇSYP Raporunu Hazırlayan Kuruluş : Asya Çevre Teknolojileri ve Tic. A.Ş
Tel : (0242) 323 33 93
Faks : (0242) 323 33 16

Image 4. Announcement

Image 5. Photos of Announcement Notice
Image 6. Newspaper Article

Image 7. Promotional Brochures
Image 8. Presentation
FETHIYE – HISARONU – OVACIK
SEWERAGE NETWORK AND COLLECTOR LINE

Image 9. Meeting Photos
C. Q&A FOLLOWING THE PRESENTATION

The questions asked by the attendees at the end of providing information during the public participation meeting held at Ölüdeniz Municipality Hall on 02.08.2018 and the answers are as follows.

Question : BIRGUL BETTICE
- When will the project be put into operation? Will it be possible to get rid of the bad odor next year? Customers do not want to stay at the hotels, and the tourism season is very short in this region. When will it be completed? When will we be able to make money? When will it be put into operation? Shall we believe this is going to happen?

Answer : MEHTAP EYLEN
- Hisarönü-Ovacık sewerage project was completed in 2010 by the repealed municipality. However, as you have already mentioned, the processes have not been initiated. We planned some investments to prioritize these kinds of projects, of which the final designs are completed, with the metropolitan municipality law. This project is included to the mentioned investments. Of course, we had to allocate a budget to realize these investments. General Directorate of MUSKI supplied the required budget from the World Bank. Then, we waited for the consultants to be determined. The loan agreement was signed, so the process starts now. The consultant has also been assigned. Now, the public procurement authority will complete the tender period and after the completion of the tourism season and as soon as the construction restriction is ceased, the construction period will start.

Hence, after all contracts related to construction works are signed, work schedule will be planned and works will be carried out depending on the tourism season. The schedule will be planned to disrupt everyday life as less as possible. The following process will start with the completion of permits and the tender phase.

If you would like to learn more about the processes, please visit the website of General Directorate of MUSKI and click on "Sustainable Cities Project" at the lower left corner. You can access the possible impacts of the construction and operation phases of all projects to be carried out, ask questions, send your suggestions and inform us about anything you like. You can also write CIMER regarding your demands, requests and suggestions. Furthermore, if you would like to visit General Directorate of MUSKI, any information can provided from the application desks or during face to face meetings.

Question : AYŞE UTLU
- Approximately 7-8 years ago, we were told similarly that designs were ready and construction works would be started immediately; however nothing happened. As Ms. Bettice already mentioned, there are flies everywhere and a very severe odor problem. We cannot even stay at our homes. We had a business back then and because of the sewerage problem, I had to spend
most of the money I made to empty the septic tanks. When we apply to the Municipality, it turned out that the contents of a septic tank are removed for lower fees if it is a house and for higher amounts if it is a business. The fee for a septic tank emptying is 30 TL for houses and 90 TL for our businesses. This is not fair for business owners.

The presentation made shows that even small towns with 2000-3000 population have treatments. We wonder why this project is so delayed here, in Ölüdeniz, a worldwide popular attraction center. Why had the Metropolitan Municipality not completed this project before?

Answer : MEHTAP EYLEN

- You are talking about 7-8 ago, and it would not be appropriate for me to talk about the previous periods. If we check the dates, we see that the design period was completed in 2010 and Ölüdeniz Municipality put so much effort in this project. Now the project reached to the final phase and the construction works are expected to be initiated as of the end of 2018 or the beginning of 2019.

The fees for the vacuum trucks are not under my responsibility or an issue that I am informed, therefore I cannot reply. However, the project's purpose is to reduce the vacuum processes and save you from the costs to empty septic tanks.

Question : MEHMET EMIN ONER

- First of all, I would like to thank you for bringing this project to the agenda and to the tender stage. It is a fact that Ölüdeniz and Ovacik regions, which make money through tourism, have had treatment issues for long years. All the businesspeople in the region suffered from this problem and we must admit that it was a shame for us not to have a treatment plant built in a brand location such as Ölüdeniz. Before the recent law, there were two municipalities, namely Fethiye Municipality and Ölüdeniz Municipality. The problem could have been solved by connecting the sewerage lines from Ölüdeniz Municipality and to Fethiye Municipality; however Fethiye Municipality mentioned that the treatment capacity was not sufficient enough for the additional capacity. There were also some issues between the two municipalities regarding the fees and these problems could not be solved. Later, the project was revised and a discharge location was required. The nearest center was Kaya Köyü; so the works were initiated considering Kaya Köyü. During the process, the law changed; and Metropolitan Law was put into effect. The right project was to collect the sewerage at one main line as this project does now and connect the sewerage to the treatment plant. This project shall be put into operation as soon as possible. Of course, both you and we have responsibilities towards the issue and we would like to thank you for this project.

Answer : MEHTAP EYLEN

- The preparation period for the designs and drawings of this kind of treatment plants and sewerage projects takes quite a long time. To be able to start the subject project, many issues such as design process, permit processes, EIA reports and allocating budget in the investment plan shall be solved. This investment requires a very high amount. If we could not have had the loans, it could have had been much longer to realize the project.
Question : Levent KURTBOGAN

I am the manager of a compound. I have lived abroad for long years and been to 87 countries. This is one of the most beautiful locations in the world and a worldwide popular attraction center. It is really a shame we are still talking about odor problems, vacuums to empty septic tanks in this beautiful area. Of course, there is a financial load. In the foreign countries, the water purchased as well as the wastewater discharged has a cost. For example, here we pay a really funny fee of 150 Turkish cents for water. To be able to fulfill the requirements of the financial resources, the recovery of these resources will be around, I am guessing, four and a half years; and the fee of water will have to increase from 150 Turkish cents to 1 Turkish Liras. I am sure the people would willingly pay a fee for the wastewater, as they already pay a fee for water. I think it would be very nice to have an exact date for the project. If we could know the exact date rather than the end of 2018, the beginning of 2019, I am sure we would be motivated better.

Answer : MEHTAP EYLEN

Unfortunately, I cannot give you an exact day or month at this point. The process may vary depending on the legislation, permits to be taken public authorities, the processes to be completed by public procurement authority and objections to the tender period. The goal is to put this investment into operation as soon as possible following the completion of the procedures. Let's be a bit more patient and the project will be turned into an investment as soon as possible.

Question : KERAMETTIN YILMAZ

I would like to take this opportunity to say "Welcome" and "Best wishes". I was the Mayor of Ölüdeniz Municipality for the last ten years and would like to mention that it is a great opportunity not to have the treatment plant here in Ölüdeniz and that wastewater is transmitted to Fethiye. We harshly rejected the project to build a treatment plant at Kaya location.

I would like you to take into account the construction restriction period during the tourism season, between April 15th and October 30th, particularly during the tender stage. This is very important for us. It should be planned carefully. Do you think you will be able to complete in two winter seasons?

Answer : MEHTAP EYLEN

The work period was planned to be 24 months. This period was determined considering the date the contracts were signed.

I would also like to add that Fethiye Wastewater Treatment Plant was put into operation in 2005 and had a capacity of 25,000 m³/day. Although it does not seem applicable to connect Hisarönü and Ovacık lines to the treatment plant with its current capacity, we have also initiated Fethiye Wastewater Treatment Plant Capacity Increase Project. The capacity of the existing plant will increase from 25,000 m³/day to 50,000 m³/day to serve 225,000 people instead of 60,000. Thus, a treatment plant to meet the additional Hisarönü and Ovacık lines will be built.
Furthermore, as part of the World Bank loan, the revisions to be applied to the existing treatment plant will result in higher operational efficiency. The World Bank loan will be supplied at three stages. The current project will be covered under the first stage. The second stage covers rehabilitation of the existing sewerage network of Fethiye. There is some seepage to the existing network from the infrastructure and groundwater. The seepage reduces the efficiency of the treatment plant. Thanks to the rehabilitation works to be carried out in the network line, the capacity of the treatment plant will increase. I would like to also mention that the capacity increase of the Fethiye treatment plant is expected to be covered by the grants taken from the Ministry of Environment and Urban Planning.

Question : EMRAY YETIM

Hello, I am the headman of Babataşı Neighborhood. To my understanding, the collector line will be installed at the neighborhoods that are included in the development plan. However, the issue also covers the areas not included in the development plan. We do not have any collector lines at three of our streets and we could not have resolved this issue since 2015. We are trying to include the area to the development plan; however today, we are not yet included in the development plan, and you know about these problems. People ask me about these works and as the headman of the neighborhood, I am obliged to inform them.

Answer : MEHTAP EYLEN

For us to be able to provide service at these areas, they should be included in the application development plan and the process shall be completed. The subject neighborhood's problem will be resolved by our own means; however the first step is the construction of the main collector. That's why there is a delay on this issue.

Question : MEHMET EMIN ONER

Ölüdeniz treatment plant was completed; when will it be put into operation? There is odor issue and untreated discharge to the sea. So, when will it be put into operation?

Answer : MEHTAP EYLEN

This is not the issue of this meeting; however I will try to answer your question. The capacity of the Ölüdeniz treatment plant was 3600 m³/day. The new treatment plant to be put into operation has a capacity of 12,000 m³/day and was constructed with the grant of the Ministry of Tourism. Physical treatment units were put into operation before 2018 tourism season started. The construction and mechanical works for the biological treatment plant were completed; so, the only remaining part is electric works. The power connections are ongoing; therefore Ölüdeniz treatment plant will be put into operation in a very short time.
D. SURVEY ACTIVITIES

On the day when Public Participation Meeting was held, questionnaire forms prepared beforehand were distributed to the attendees in order to obtain their opinion regarding the project, assess their opinions, be informed about the requirements of the local community and measure their satisfaction levels. Questionnaire form consisted of 8 questions and 37 persons conducted the survey. The answers to the questionnaire were processed in the computer and required calculations were carried out considering the results of the questionnaire. In questionnaire surveys total answer options for each question were evaluated. Charts in which answers given are shown in percentages are presented below.

1. What is your relation to the project?
   a) I am residing at the region
   b) I don't know the region
   c) Other

![Pie chart showing percentages of responses]
2. Do you have adequate information about the project?
   a) Yes
   b) No

3. Do you think the project is required?
   a) Yes
   b) No
   c) I don't know
4. What do you think about the project?

a) I support the project
b) I am not sure
c) I don't know
d) I don't support the project

5. What kind of impacts do you think the project will have on the environment and human health?

a) Beneficial
b) Damaging
c) No impact
d) I don't know
6. How do you think the project will contribute to the protection of environment and the sea?

a) Positive  
b) Negative  
c) No impact  
d) I don't know

7. Did you have any knowledge about the planned project?

a) Yes, I have detailed information  
b) Partially  
c) No  
d) I don't know
8. Please kindly indicate if you have any other issue to raise or to be assessed other than the ones you mentioned that you think the project will have an adverse impact on.

By: SEMIL BASARAN

- We want infrastructure and a treatment plant to be constructed in Kaya Köyü.

By: ADNAN BASARAN

- We want these works in Kaya Köyü, as well.

By: M. EMIN ONER

- The treatment and sewerage shall be constructed immediately.

By: SULEYMAN BARUT

- Although it is already delayed a lot, I am very positive about the project. However, I hope, the project will not damage the environment.

By: YASAR ARSLANBAS

- The project is already belated. During this season, mosquitos and malodors make us unpleasant to live here. We are paying our property taxes, please kindly acknowledge that.

By: MEHMET KASIK

- I hope the start and completion periods of the project are planned not to adversely affect tourism; asphalt and pavement works of the roads as well as the infrastructure works will be completed in 2019 summer season, all processes including the ones with the related institutions and the municipality of the region are completed before the start of the season as of May 1st, 2019 and all businesses and tourists arriving from all around the world may have a beautiful holiday in Ölüdeniz and in our country.

By: NEMIN CAN

- We have built a treatment plant in our area by our own means. We are expecting the support of the government. You must see the creek passing downward of Telmessos Select Hotel during evening hours. We are lucky not to be infected malaria, tuberculosis or HIV yet. Thank you for the opportunity.

By: HALIL DUMAN

- We like the works to start in October. Sewerage flows from the streets to the creeks.
By: SERAFETTIN YILMAZ

- I think infrastructure works (Telecom-Power) will also be better completed during the project works. (There is a significant telecommunication issue in particular.)

By: HALIL USTUN

- You will be appreciated by the local community if you can complete this project, which could not have been completed so far. We would keep you in our prayers. Do not let this opportunity pass the Metropolitan Municipality by! You are here to serve these people. Save us from this misery.

E. COMMENTS

The views and survey studies specified in the Public Participation Meeting indicated that the people supported the performance of the infrastructure investments generally and approached the project in a positive way. MUSKI website was referred for grievances and suggestions.

As a result of the public participation meeting and the questionnaires answered, it was evaluated that the project was understood to be an investment to protect and rehabilitate the environment.

Based on the project to be carried out, it is planned to take measures against possible environmental risks that may arise in terms of environment and human health, and to eliminate the septic tanks currently used at the site and the odor problem they cause. With the Public Participation Meeting, it was concluded that the public has a positive approach for the implementation of the project.
REFERENCES

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- “Urban Wastewater Treatment Regulation” of the Ministry of Environment and Urban Planning, which entered into force after being published in the Official Gazette numbered 26047 and dated 08.01.2006
- “Landfill Regulation” of the Ministry of Environment and Urban Planning, which entered into force after being published in the Official Gazette numbered 27533 and dated 26.03.2016
- "Waste Oil Control Regulation" of the former Ministry of Environment and Forestry, which entered into force after being published in the Official Gazette numbered 26952 and dated 30.07.2008 and "Regulation on the Amendment of the Waste Oil Control Regulation" which entered into force after being published in the Official Gazette numbered 28812 and dated 05.11.2013
- "Regulation on Assessment and Management of Environmental Noise" of the former Ministry of Environment and Forestry, which entered into force after being published in the Official Gazette numbered 27601 and dated 04.06.2010
- “Regulation on Control of Exhaust Gas Emission and Quality of Fuel and Diesel” of the Ministry of Environment and Urban Planning, which entered into force after being published in the Official Gazette numbered 28837 and dated 30.11.2013
- “Regulation on Occupational Health and Safety” of the Ministry of Labor and Social Security, which entered into force after being published in the Official Gazette numbered 25311 and dated 09.12.2003
- “Waste Management Regulation” of the Ministry of Environment and Urban Planning, which entered into force after being published in the Official Gazette numbered 29314 and dated 02.04.2015
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- “Regulation on Environmental Permits and Licenses” of the Ministry of Environment and Urban Planning, which entered into force after being published in the Official Gazette numbered 29115 and dated 10.09.2014
- "Water Pollution Control Regulation" of the former Ministry of Environment and Forestry, which entered into force after being published in the Official Gazette numbered 25687 and dated 31.12.2004 and "Regulation on the Amendment of the Water Pollution Control Regulation" which entered into force after being published in the Official Gazette numbered 28244 and dated 25.03.2012
- "Industrial Air Pollution Control Regulation" of the former Ministry of Environment and Forestry, which entered into force after being published in the Official Gazette numbered 27277 and dated 03.07.2009 and "Regulation on Amendment of the Industrial Air Pollution Control Regulation" which entered into force after being published in the Official Gazette numbered 29211 and dated 20.12.2014
- "Environmental Law" no. 2872 of the former Ministry of Environment and Forestry, which entered into force after being published in the Official Gazette numbered 18132 and dated 11.08.1983 and "Regulation on Amendment of the Environmental Law" which entered into force after being published in the Official Gazette numbered 5491 and dated 13.05.2006
"Regulation on Control of Waste Batteries and Accumulators" of the Ministry of Environment and Urban Planning, which was put into force after being published in the Official Gazette dated 31.08.2004 and numbered 25569 and "Regulation to Amend the Regulation on Control of Waste Batteries and Accumulators", which was put into force after being published in the Official Gazette dated 23.12.2014 and numbered 29214

“Regulation on Control of Odor Emissions” of the Ministry of Environment and Urban Planning, which entered into force after being published in the Official Gazette numbered 28712 and dated 19.07.2013
APPENDICES

APPENDIX-1: Hisarönü and Ovacık Sewerage Network Project General Construction Plan
APPENDIX-2: "Grievance & Suggestion Form", "Grievance Close-out Form"
APPENDIX-3: Invitation Requests, Attendance List and Questionnaires of the Public Participation Meeting
APPENDIX-1

Hisarönü and Ovacık Sewerage Network
Project General Construction Plan
APPENDIX-2

"Grievance & Suggestion Form",
"Grievance Close-out Form"
GRIEVANCE & SUGGESTION FORM

Personal Information

Name & Surname: Phone Number:
E-mail: TR ID #:
Address:

Grievance & Suggestion Issue

Project : 
Sub-province : 
Neighborhood : 
Grievance Category

☐ Abandon (Home)  ☐ Project-affected assets/properties
☐ Infrastructure  ☐ Decrease or completely lose the sources of income
☐ Environmental Problems (e.g. Pollution)  ☐ Social Problems (e.g. Social impact)
☐ Employment  ☐ Traffic, Transportation and other risks

Other grievance types:
…………………………………………………………………………………………………………

Your Grievance & Suggestion:
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Signature: Date:
GRIEVANCE CLOSE-OUT FORM

Grievance Close-out # : 

Action to be Taken Immediately : 

Action to be Taken in the Long Term (If Required) :

Compensation Required? ( ) YES ( ) NO

FOLLOW UP OF THE COMPENSATING ACTION AND DECISION

<table>
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APPENDIX-3

Invitation Requests, Attendance List and Questionnaires of the Public Participation Meeting
MUĞLA ÇEVRE VE ŞEHİRCİLİK İL MÜDÜRLÜĞÜNE

T.C. Muğla Büyükşehir Belediyesi Su ve Kanalizasyon İdaresi (MUSKİ) Genel Müdürlüğü tarafından yapılan planlanan; “Dünya Bankası’nın Çevresel Değerlendirme İle İlgili İşletim Politikası (O.P. 4.01)” ve “İller Bankası Sürdürülebilir Şehirler Projesi” kapsamında “Mevcut Atıksu Arıtma Tesisleri ve Terfi İstasyonları Mekanik Ekipmanlarının Yenilenmesi”, “Fethiye – Hisarönü – Ovacık Kanalizasyon Şebekesi ve Kollektör Hattı” ve “Bodrum İlçesi Kanalizasyon Şebekesi Hattı Yapım İşi” projeleri için 01-02.08.2018 tarihlerinde yazımız ekinde gönderilen duyuru metinlerinde belirtilen yerde ve saatte halkın bilgilendirilmesi, görüş ve önerilerini almak için “Halkın Katılımı Toplantısı” yapılacaktır.

İdaremiz tarafından organize edilen toplantıya katılmının sağlanması hususunda; Gereğini bilgilerinize arz ederim.

Eğz:
1- Fethiye- Hisarönü- Ovacık Duyuru Metni (1 sayfa)
2- Bodrum- Turgutreis Duyuru Metni (1 sayfa)

Ali TEKKAYA
Genel Müdür a.
Genel Müdür Yardımcısı
BODRUM BELEDİYE BAŞKANLIĞINA
(Zabıta Müdürliği)


Konusu ile ilgili olarak; yukarıda belirtmiş olduğumuz bölgelere duyuruya anons ile duyuru yapılmış hususunda;
Gereğini bilgilerinize arz ederim.

Toplantı Yeri: Akçaalan Çok Amaçlı Salon
Toplantı Tarihi: 01.08.2018
Toplantı Saati: 14:00
Toplantı Adresi: Atatürk Cad. Akçaalan Mah. Sok. No:42 Turgutreis
Bodrum /MUĞLA

e-imzalıdır

Ali TEKKAYA
Genel Müdür a.
Genel Müdür Yardımcısı
MUĞLA ÇEVRE VE ŞEHİRCİLİK İL MÜDÜRLÜĞÜNE

T.C. Muğla Büyükşehir Belediyesi Su ve Kanalizasyon İdaresi (MUSKİ) Genel Müdürlüğü tarafından yapılan planlannın; “Dünya Bankası’nın Çevresel Değerlendirme İle İlgili İşletim Politikası (O.P. 4.01)” ve “İller Bankası Süreçte Sürdürülebilir Şehirler Projesi” kapsamında “Mevcut Atıksu Arıtma Tesisleri ve Terfi İşleyenlerin Mekanik Ekipmanlarının Yenilenmesi”, “Fethiye – Hisarönü – Ovacık Kanalizasyon Şebeke ve Kollektör Hattı” ve “Bodrum İlçesi Kanalizasyon Şebeke Hattı Yapım İşleri” projeleri için 01-02.08.2018 tarihlerinde yazımız ekinde gönderilen duyuru metinlerinde belirtilen yerde ve saatte halkı bilgilendirmek, görüş ve önerilerini almak için “Halkın Katılımı Toplantısı” yapacaktır.

İdaremiz tarafından organize edilen toplantıyla katılımının sağlanması hususunda; Gereğini bilgilerinize arz ederim.

e-imzalıdır

Ali TEKKAYA
Genel müdür a.
Genel müdür yardımcıı

Ek :
1- Fethiye-Hisarönü- Ovacık Duyuru Metni (1 sayfa)
2- Bodrum- Turgutreis Duyuru Metni (1 sayfa)
DAĞITIM YERLERİNE

T.C. Muğla Büyükşehir Belediyesi Su ve Kanalizasyon İdaresi (MUSKİ) Genel Müdürlüğü tarafından yapılan ve “Dünya Bankası’nın Çevresel Değerlendirme İle İlgili İşletim Politikası (O.P. 4. 01)” ve “İller Bankası Sürdürülebilir Şehirler Projesi” kapsamında “Mevcut Atıksu Arıtma Tesisleri ve Terfi İstasyonları Mekanik Ekipmanlarının Yenilenmesi” Fethiye – Hisarönü – Ovacık Kanalizasyon Şebeke ve Kollektör Hattı ve “Bodrum İlçesi Kanalizasyon Şebeke Hatti Yapım İşi” projeleri için 01-02.08.2018 tarihlerinde yazımız e-derinde gönderilen duyuru metinlerinde belirtilen yerde ve saatte halkın bilgilendirilmek, görüş ve önerilerini almak için “Halkın Katılımı Toplantısı” yapılır.

İdareминистorganize edilen toplantıya katılımın sağlanması hususunda; Gereğini bilgilernize arz ederim.

e-imzalıdır
Ali TEKKAYA
Genel Müdürü a.
Genel Müdür Yardımcısı

Ek :
1- Fethiye- Hisarönü- Ovacık Duyuru Metni
2- Bodrum- Turgutreis Duyuru Metni

Dağıtım :
Muğla İl Afet Ve Acil Durum Müdürlüğü
Dsi 21. Bölge Müdürlüğü - Aydın
Muğla Halk Sağlığı Müdürlüğü
Muğla Orman Bölge Müdürlüğü
Muğla İl Gida, Tarım Ve Hayvancılık
Müdürlüğü
Sürdürülebilir Şehirler

Projeleri

MUĞLA BÜYÜKŞEHİR BELEDİYESİ SU VE KANALİZASYON İDARESİ GENEL MÜDÜRLÜĞÜ
(MUSKİ)

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</table>
# Projeleri

**MUĞLA BÜYÜKŞEHİR BELEDİYESİ SU VE KANALİZASYON İDARESİ GENEL MÜDÜRLÜĞÜ (MUSKİ)**

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Südürülebilir Şehirler

Projeleri

MUĞLA BÜYÜKŞEHİR BELEDİYESİ SU VE KANALIZASYON İDARESİ GENEL MÜDÜRLÜĞÜ (MUSKI)

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Sürdürülebilir Şehirler
Projeleri

MUĞLA BÜYÜKŞEHİR BELEDİYESI SU VE KANALİZASYON İDARESİ GENEL MÜDÜRLÜĞÜ (MÜSKİ)

**Kisisel Bilgiler**

Adi-Soyadı: Selahattin Caglar

Cinsiyeti: Erkek

Mesleği: 

İş adresi: 530. sok. No: 26,

Sultanahmet, Fethiye

Yaş:

SORULAR

1. Proje ile olan ilginiz?

   a) Bölgede İkamet ediyorum
   b) Bölgedeyi tanımıyorum
   c) Diğer (______________________________)

2. Proje hakkında yeterli bilgiye sahip misiniz?

   a) Evet
   b) Hayır

3. Projenin gerekli olduğunu düşünüyor musunuz?

   a) Evet
   b) Hayır
   c) Bilmiyorum

4. Proje ile ilgili görüşlerinizi nelerdir?

   a) Destekliyorum
   b) Kararsızım
   c) Bilgiim yok
   d) Desteklemiyorum

ANKET SORULARI

Uyruğu: TC

Telefon: 0536 461 50 00

Elektronik Posta:
5. Projenin çevre ve insan sağlığı üzerinde ne tür etkilerde bulunacağını düşünüyorsunuz?
   a) Faydalı
   b) Zararlı
   c) Etkisiz
   d) Bilmiyorum

6. Çevrenin ve denizin korunması hususunda projenin nasıl bir katkısı gerektiğini düşünüyorsunuz?
   a) Olumlu
   b) Olumsuz
   c) Etkisiz
   d) Bilgim yok

7. Planlanan proje hakkında daha önce bir bilgiye sahip midiniz?
   a) Evet detaylı bilgiye sahibim
   b) Kısım
   c) Hayır
   d) Bilgim Yok

8. Proje ile ilgili olumsuz etkileneceğinizi düşünüdüğünüz ve değerlendirilmesini talep edeceğinizi yapılan açıklamalar dışında bir konu varsa lütfen belirtiniz.
Sürdürülebilir Şehirler
Projeleri

MUĞLA BÜYÜKŞEHİR BELEDİYESİ SU VE KANALİZASYON İDARESİ GENEL MÜDÜRLÜĞÜ (MUSKİ)

ANKET SORULARI

KİŞisel Bilgiler
Ad-Soyadı: Cetelkaradaj Erkek
Mesleği: Emekli
İş adresi: 
Cinsiyeti: Erkek
Eğitim Düzeyi: orta
Yaş: 73
Uyruğu: TC
Telefon: 0535 048 33 03
Elektronik Posta: mendoz.cad@soz
SOK. NO: 30/3

SORULAR
1. Proje ile olan ilginiz? 
   a) Bölgede ökmen ediyorum
   b) Bölgedeyi tanıyorum
   c) Diğer (Lütfen detaylandırınız)

2. Proje hakkında yeterli bilgiye sahip misiniz?
   a) Evet
   b) Hayır

3. Projenin gerekli olduğunu düşünüyor musunuz?
   a) Evet
   b) Hayır
   c) Bilmiyorum

4. Proje ile ilgili görüşleriniz nelerdir?
   a) Destekliyorum
   b) Kararsızım
   c) Bilgim yok
   d) Desteklemiyorum
5. Projenin çevre ve insan sağlığı üzerinde ne tür etkilerde bulunacağını düşünürsünüz?
   a) Faydalı
   b) Zararlı
   c) Etkisiz
   d) Bilmiyorum

6. Çevrenin ve denizin korunması hususunda projenin nasıl bir katkısı olacağını düşünüyorsunuz?
   a) Olumlu
   b) Olumsuz
   c) Etkisiz
   d) Bilgim yok

7. Planlanan proje hakkında daha önce bir bilgiye sahip midiniz?
   a) Evet detaylı bilgiye sahibim
   b) Kısırmışım
   c) Hayır
   d) Bilgim yok

8. Proje ile ilgili olumsuz etkileneceğiniz düşünüldüğünü ve değerlendirilmesini talep edeceğiniz yapılan açıklamalar dışında bir konu varsa lütfen belirtiniz.

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Sürdürülebilir Şehirler
Projeleri

MUĞLA BÜYÜKŞEHİR BELEDİYESİ SU VE KANALİZASYON İDARESİ GENEL MÜDÜRLÜĞÜ (MÜSKİ)

KISisel Bilgiler

Ad-Soyad: Kemal Durc
Mesleki: Saffar-Esref
İş adresi: Muğla

ANKET SORULARI

Cinsiyeti: Er
Eğitim Düzeyi: Ön lisans
Yaş: 39
Uyruğ: TC
Telefon: 541 225 3379
Elektronik Posta:

SORULAR

1. Proje ile olan ilginiz?

a) Bölgede İkamet ediyorum
b) Bölgesi tanımiyorum
c) Diğer (Bölgenin dikkate egeliyorum)

2. Proje hakkında yeterli bilgiye sahip misiniz?

a) Evet
b) Hayır

3. Projenin gerekli olduğunu düşünüyor musunuz?

a) Evet
b) Hayır
c) Bilmiyorum

4. Proje ile ilgili görüşlerinizi nelerdir?

a) Destekliyorum
b) Karasızım
c) Bilgim yok
d) Desteklemiyorum
5. Projenin çevresi ve insan sağlığı üzerinde ne tür etkilerde bulunacağını düşünüyor musunuz?
   a) Faydalı  
   b) Zararlı  
   c) Etkisiz  
   d) Bilmiyorum

6. Çevrenin ve denizin korunması hususunda projenin nasıl bir katkı olacağıni düşünüyor musunuz?
   a) Olumlu  
   b) Olumsuz  
   c) Etkisiz  
   d) Bilgim yok

7. Planlanan proje hakkında daha önce bir bilgiye sahip midiniz?
   a) Evet detaylı bilgiye sahibim  
   b) Kısım  
   c) Hayır  
   d) Bilgim Yok

8. Proje ile ilgili olumsuz etkileneceğini düşünügünüz ve değerlendirmeılması talep edeceğiniz yapılan açıklamalar dışında bir konu varsa lütfen belirtiniz.

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MUĞLA BÜYÜKŞEHİR BELEDİYESİ SU VE KANALİZASYON İDARESİ GENEL MÜDÜRLÜĞÜ (MUSKİ)

Kısit Belgeler
Adı-Soyadı:        Şenil Duyar
Mesleği:          EV hamuni
İş adresi:        

ANKET SORULARı
Cinsiyeti:        Kız
Eğitim Düzeyi:    Lise
Yaş:              52
Uyruğu:           TC
Telefon:          05057490472
Eklenen Posta:    

SORULAR
1. Proje ile olan ilginiz?
   a) Bölgede ikamet ediyorum
   b) Bölgeyi tanımıyorum
   c) Diğer (__________________________)

2. Proje hakkında yeterli bilgiye sahip misiniz?
   a) Evet
   b) Hayır

3. Projenin gerektiği olduğunu düşünüyor musunuz?
   a) Evet
   b) Hayır
   c) Bilmiyorum

4. Proje ile ilgili görüşleriniz nelerdir?
   a) Destekliyorum
   b) Kararşim
   c) Bilgim yok
   d) Desteklemiyorum

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5. Projenin çevrenin çevresi ve insan sağlığı üzerinde ne tür etkilerde bulunacağını düşünürsünüz?
   a) Faydalı
   b) Zararlı
   c) Etkisiz
   d) Bilmiyorum

6. Çevrenin ve denizin korunması hususunda projenin nasıl bir katkısı olacağını düşünürsünüz?
   a) Olumu
   b) Olumsuz
   c) Etkisiz
   d) Bilgim yok

7. Planlanan proje hakkında daha önce bir bilgiye sahip midiniz?
   a) Evet detaylı bilgiye sahibim
   b) Kısım
   c) Hayır
   d) Bilgim Yok

8. Proje ile ilgili olumsuz etkileneceğiniz düşündüğünüz ve değerlendirilmesini talep edeceğiniz yapılan açıklamalar dışında bir konu varsa lütfen belirtiniz.

   Kona köprü içinde altiye sistemi ve arıtma tesisini istiyoruz.

   .................................................................................................................................................
MUĞLA BÜYÜKŞEHİR BELEDİYESİ SU VE KANALİZASYON İDARESİ GENEL MÜDÜRLÜĞÜ (MUSKI)

ANKET SORULARI

Kısisel Bilgiler
Ad-Soyadı: Adayan Basaran
Cinsiyeti: Erkek
Mesleği: Eğitmen
Eğitim Düzeyi: Yüksek Okul
Yaş: 65
Urğu: T.C
Telefon: 5434581065
Elektronik Posta:

SORULAR
1. Proje ile olan ilginiz?
   a) Bölgede İkamet ediyorum
   b) Bölgeyi tanıyorum
   c) Diğer (__________________________________________________________)

2. Proje hakkında yeterli bilgiye sahip misiniz?
   a) Evet
   b) Hayır

3. Projenin gerekli olduğunu düşünüyor musunuz?
   a) Evet
   b) Hayır
   c) Bilmiyorum

4. Proje ile ilgili görüşlerinizi nelerdir?
   a) Destekliyorum
   b) Karasızım
   c) Bilgim yok
   d) Desteklemiyorum
5. Projenin çevre ve insan sağlığı üzerinde ne tür etkilerde bulunacağını düşünüyorsunuz?

a) Faydali  
b) zararı  
c) Etkisiz  
d) Bilmiyorum

6. Çevrenin ve denizin korunması hususunda projenin nasıl bir katkısı olacağını düşünüyorsunuz?

a) Olumlu  
b) Olumsuz  
c) Etkisiz  
d) Bilgi yok

7. Planlanan proje hakkında daha önce bir bilgiye sahip misiniz?

a) Evet detaylı bilgiye sahibim  
b) Kısım  
c) Hayır  
d) Bilmiyorum

8. Proje ile ilgili olumsuz etkileneceğinizi düşündüğünüz ve değerlendirilmesini talep edeceğiniz yapılan açıklamalar dışında bir konu varsa lütfen belirtiniz.

Kaya köşyenede istiyoruz.
Südürülebilir Şehirler
Projeleri

MUĞLA BÜYÜKŞEHİR BELEDİYESİ SU VE KANALİZASYON İDARESİ GENEL MÜDÜRLÜĞÜ (MÜSKİ)

**Kısa Bilgiler**

Adi-Soyadi: ıSıA AsAáz Mesleği: Turlızm İş adresi: Fıoreür Hıtıl

**ANKET SORULARI**

**Soru 1.** Proje ile olan ilginiz?

(a) Bölgede ikamet ediyorum  
(b) Bölgeyi tanımıyorum  
(c) Diğer (..........................................................)

**Soru 2.** Proje hakkında yeterli bilgiye sahip misiniz?

(a) Evet  
(b) Hayır

**Soru 3.** Projenin gerekli olduğunu düşünüyor musunuz?

(a) Evet  
(b) Hayır  
(c) Bilmiyorum

**Soru 4.** Proje ile ilgili görüşleriniz nelerdir?

(a) Destekliyorum  
(b) Kararsızım  
(c) Bilgim yok  
(d) Desteklemiyorum
5. Projenin çevre ve insan sağlığı üzerinde ne tür etkilerde bulunacağını düşünürsünüz?

a) Faydalı  
b) Zararlı  
c) Etkisiz  
d) Bilmiyorum

6. Çevrenin ve denizin korunması hususunda projenin nasıl bir katkıları olacağıni düşünürsünüz?

a) Olumlu  
b) Olumsuz  
c) Etkisiz  
d) Bilgim yok

7. Planlanan proje hakkında daha önce bir bilgiye sahip miydiniz?

a) Evet detaylı bilgiye sahibim  
b) Kısım  
c) Hayır  
d) Bilgim Yok

8. Proje ile ilgili olumsuz etkileneceginizi düşünüğünüz ve değerlendirilmesini talep edeceğiniz yapılan açıklamalar dışında bir konu varsa lütfen belirtiniz.

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Sürdürülebilir Şehirler
Projeleri

MUĞLA BÜYÜKŞEHİR BELEDİYESİ SU VE KANALİZASYON İDARESİ GENEL MÜDÜRLÜĞÜ (MUSKİ)

Kisisel Bilgiler
Adı-Soyadi: Fahriye Aryan
Mesleği: Emekli
İş adresi:

ANKET SORULARI
Cinsiyeti: Kadın
Uruğu: TC
Eğitim Düzeyi: Lüzer
telefon:
Yaş: 54
Elektronik Posta: fahriyecrani@gmail.com

SORULAR
1. Proje ile olan ilginiz?
   a) Bölgede ikamet ediyorum
   b) Bölgeyi tanımiyorum
   c) Diğer (______________________________________________________________)

2. Proje hakkında yeterli bilgiye sahip misiniz?
   a) Evet
   b) Hayır

3. Projenin gerekli olduğunu düşünüyor musunuz?
   a) Evet
   b) Hayır
   c) Bilmiyorum

4. Proje ile ilgili görüşleriniz nelerdir?
   a) Destekliyorum
   b) Karasizm
   c) Bilgim yok
   d) Desteklemiyorum
5. Projenin çevresi ve insan sağlığı üzerinde ne tür etkilerde bulunacağını düşünürsünüz?
   a) Faydalı
   b) Zararlı
   c) Etkisiz
   d) Bilmiyorum

6. Çevrenin ve denizin korunması hususunda projenin nasıl bir katkısı olacağını düşünüyorsunuz?
   a) Olumlu
   b) Olumsuz
   c) Etkisiz
   d) Bilginiz yok

7. Planlanan proje hakkında daha önce bir bilgiye sahip midiniz?
   a) Evet detaylı bilgiye sahibim
   b) Kısım
   c)Hayır
   d) Bilginiz Yok

8. Proje ile ilgili olumsuz etkileneceğinizi düşünüdüğünüz ve değerlendirilmesini talep edeceğiniz yapılan açıklamalar dışında bir konu varsa lütfen belirtiniz.
Süreğilebilir Şehirler
Projeleri

MUĞLA BÜYÜKŞEHİR BELEDİYESİ SU VE KANALİZASYON İDARESİ GENEL MİYDÜRLÜĞÜ
(MUSKİ)

ANKET SORULARI

KİŞisel Bilgiler
Adı-Soyadı: Tülay
Cinsiyeti: E
Mesleği: Mühendis
Eğitim Düzeyi: Lise
İş adresi: 
Yaş: 54

UYRUKU:
Telefon: 0535 6770257
Elektronik Posta: 

SORULAR

1. Proje ile olan ilginyiz?
   a) Bölgede ikamet ediyorum
   b) Bölgeyi tanımıyorum
   c) Diğer (.................................................................)

2. Proje hakkında yeterli bilgiye sahip misiniz?
   a) Evet
   b) Hayır

3. Projenin gerektiğini düşünüyor musunuz?
   a) Evet
   b) Hayır
   c) Bilmiyorum

4. Proje ile ilgili görüşleriniz nelerdir?
   a) Destekliyorum
   b) Karasızım
   c) Bilgim yok
   d) Desteklemiyorum
5. Projenin çevre ve insan sağlığı üzerinde ne tür etkilerde bulunacağını düşüyorsunuz?
   a) Faydalı
   b) Zararlı
   c) Etkisiz
   d) Bilmiyorum

6. Çevrenin ve denizin korunması hususunda projenin nasıl bir katkısı olacağını düşünüyorsunuz?
   a) Olumlu
   b) Olumsuz
   c) Etkisiz
   d) Bilgin yok

7. Planlanan proje hakkında daha önce bir bilgiye sahip midiniz?
   a) Evet detaylı bilgiye sahibim
   b) Kısmen
   c) Hayır
   d) Bilgin Yok

8. Proje ile ilgili olumsuz etkileneceğinizi düşünüdüğünüz ve değerendirilmesini talep edeceğiniz yapılan açıklamalar dışında bir konu varsa lütfen belirtiniz.

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   ________________________________
   ________________________________
**MUĞLA BÜYÜKŞEHİR BELEDİYESİ SU VE KANALİZASYON İDARESİ GENEL MÜDÜRLÜĞÜ (MÜSKİ)**

**ANKET SORULARI**

**KİŞisel Bilgiler**

Adi-Soyadi: **Teceran Fidan**
Cinsiyeti: **Erkek**
MES Emeğin Durumu: **Emekli**
Eğitim Düzeyi: **UN**
Uyruğu: **TC**
Telefon: **05322751524**
Yaş: **34**
Elektronik Posta: **Teceran1951@hotmail.com**

**SORULAR**

1. **Proje ile olan ilginiz?**
   - a) Bölgede İkmam ediyorum
   - b) Bölgede tâlimiyorum
   - c) Diğer (__________________________)

2. **Proje hakkında yeterli bilgiye sahip misiniz?**
   - a) Evet
   - b) Hayır

3. **Projenin gerekli olduğunu düşünüyorum musunuz?**
   - a) Evet
   - b) Hayır
   - c) Bilmıyorum

4. **Proje ile ilgili görüşleriniz nelerdir?**
   - a) Destekliyorum
   - b) Kararsızım
   - c) Bilgim yok
   - d) Desteklemiyorum
5. Projenin çevre ve insan sağlığı üzerinde ne tür etkilerde bulunacağını düşüyorsunuz?
   a) Faydalı
   b) Zararlı
   c) Etkisiz
   d) Bilmıyorum

6. Çevrenin ve denizin korunması hususunda projenin nasıl bir katkı olacağını düşünüyorsunuz?
   a) Olumlu
   b) Olumsuz
   c) Etkisiz
   d) Bilgim yok

7. Planlanan proje hakkında daha önce bir bilgiye sahip miydiniz?
   a) Evet detaylı bilgiye sahibim
   b) Kısımlı
   c) Hayır
   d) Bilgim Yok

8. Proje ile ilgili olumsuz etkileneceginizi düşüneldüğünüz ve değerlendirilmesini talep edeceğiniz yapılan açıklamalar dışında bir konu varsa lütfen belirtiniz.

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MUĞLA BÜYÜKŞEHİR BELEDİYESİ SU VE KANALİZASYON İDARESİ GENEL MÜDÜRLÜĞÜ (MUSKİ)

KISisel Bilgiler
Adı-Soyadı: Emre Arslan
Mesleği: Mühendis
İş adresi: Bahateli mah.

Cinsiyeti: Erkek
Eğitim Düzeyi: Orta
Yaş: 35
Uyruğu: TC
Telefon: 0536 238 33 53
Elektronik Posta: demirci.1212@gmail.com

ANKET SORULARI

SORULAR
1. Proje ile olan ilginiz?
   a) Bölgede ikamet ediyorum  
   b) Bölgesi tanımıyorum  
   c) Diğer (proje olunuyor ve projede rolümüzsü...)

2. Proje hakkında yeterli bilgiye sahip misiniz?
   a) Evet  
   b) Hayır

3. Projenin gerekli olduğunu düşünüyor musunuz?
   a) Evet  
   b) Hayır  
   c) Bilmıyorum

4. Proje ile ilgili görüşlerinizi nelerdir?
   a) Destekliyorum  
   b) Karasızım  
   c) Bilgim yok  
   d) Desteklemiyorum
5. Projenin çevre ve insan sağlığı üzerinde ne tür etkilerde bulunacağını düşünüyorsunuz?
   
   a) Faydalı  
   b) Zararlı  
   c) Etkisiz  
   d) Bilmiyorum

6. Çevrenin ve denizin korunması hususunda projenin nasıl bir katkısı olacağını düşünüyorsunuz?
   
   a) Olumlu  
   b) Olumsuz  
   c) Etkisiz  
   d) Bilim yok

7. Planlanan proje hakkında daha önce bir bilgiye sahip miydiniz?
   
   a) Evet detaylı bilgiye sahibim  
   b) Kısım  
   c) Hayır  
   d) Bilim Yok

8. Proje ile ilgili olumsuz etkileneceğiniz düşünüdüğünüz ve değerlendirilmesini talep edeceğiniz yapılan açıklamalar dışında bir konu varsa lütfen belirtiniz.

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Sürdürülebilir Şehirler
Projeleri

MUĞLA BÜYÜKŞEHİR BELEDİYESİ SU VE KANALİZASYON İDARESİ GENEL MÜDÜRLÜĞÜ (MUSKİ)

ANKET SORULARI

KİŞisel Bilgiler
Adı-Soyadı: Hamit Levent  
Cinsiyeti: Erkek  
Mesleği: Arıtma ustası  
Eğitim Düzeyi: Lise  
İş adresi: Taşyolca Mah  
230 Sok No 14 / Fethiye  
Uruğlu: Türkiye  
Yaş: 63  
Telefon: 0 535 8670044  
Elektronik Posta: Hamit Levent 56 Hotmail

SORULAR

1. Proje ile olan ilginiz?
   a) Bölgede ikamet ediyorum  
   b) Bolgeyi tanımıyorum  
   c) Diğer ________________________________

2. Proje hakkında yeterli bilgiye sahip misiniz?
   a) Evet  
   b) Hayır X

3. Projenin gerekli olduğunu düşünüyor musunuz?
   a) Evet X  
   b) Hayır  
   c) Bilmiyorum  

4. Proje ile ilgili görüşleriniz nelerdir?
   a) Destekliyorum X  
   b) Kararsızım  
   c) Bilgim yok  
   d) Desteklemiyorum
5. Projenin çevre ve insan sağlığı üzerinde ne tür etkilerde bulunacağını düşünüyorsunuz?
   a) Faydalı ✓
   b) Zararlı
   c) Etkisiz
   d) Bilmiyorum

6. Çevrenin ve denizin korunması hususunda projenin nasıl bir katkısı olacağını düşünüyorsunuz?
   a) Olumlu ✓
   b) Olumsuz
   c) Etkisiz
   d) Bilgim yok

7. Planlanan proje hakkında daha önce bir bilgiye sahip miydiniz?
   a) Evet detaylı bilgiye sahibim
   b) Kısırmen ✓
   c) Hayır
   d) Bilgim Yok

8. Proje ile ilgili olumsuz etkileneceğiniz düşünüdüğünüz ve değerlendirilmesini talep edeceğiniz çıkan açıklamalar dışında bir konu varsa lütfen belirtiniz.

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MUĞLA BÜYÜKŞEHİR BELEDİYESİ SU VE KANALİZASYON İDARESİ GENEL MÜDÜRLÜĞÜ (MÜSKİ)

ANKET SORULARI

Kısisel Bilgiler
Adı-Soyadı: Muhammet
Cinsiyeti: Erkek
Mesleği: Mühendis
Eğitim Düzeyi: Lütfen
İş adresi: 
Yaş: 29
Uyruğu: 
Telefon: 0234567890
Elektronik Posta:

SORULAR

1. Proje ile olan ilginiz?
   a) Bölgede ikamet ediyorum
   b) Bölgeyi tanıyorum
   c) Diğer (__________________________)

2. Proje hakkında yeterli bilgiye sahip misiniz?
   a) Evet
   b) Hayır

3. Projenin gerekli olduğunu düşünüyor musunuz?
   a) Evet
   b) Hayır
   c) Bilmiyorum

4. Proje ile ilgili görüşleriniz nelerdir?
   a) Destekliyorum
   b) Kararsızım
   c) Bilgiym yok
   d) Desteklemiyorum
5. Projenin çevre ve insan sağlığı üzerinde ne tür etkilerde bulunacağını düşünürsünüz?
   a) Faydali
   b) Zararlı
   c) Etkisiz
   d) Bilmiyorum

6. Çevrenin ve denizin korunması hususunda projenin nasıl bir katkısı olacağını düşünürsünüz?
   a) Olumlu
   b) Olumsuz
   c) Etkisiz
   d) Bilgim yok

7. Planlanan proje hakkında daha önce bir bilgiye sahip miydiniz?
   a) Evet detaylı bilgiye sahibim
   b) Kısımlı
   c) Hayır
   d) Bilgim Yok

8. Proje ile ilgili olumsuz etkileneceğinizin düşünüdüğünüz ve değerlendirilmesini talep edeceğiniz yapılan açıklamalar dışında bir konu varsa lütfen belirtiniz.

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MUĞLA BÜYÜKŞEHİR BELEDİYESİ SU VE KANALİZASYON İDARESİ GENEL MÜDÜRLÜĞÜ (MUSKİ)

ANKET SORULARI

KİŞisel Bilgiler
Adi-Soyadı: Göncüoğlu
Mesleği: Çevre Müh.
İş adresi:

Cinsiyeti: Erkek
Eğitim Düzeyi: Lise
Yaş:

Uyruğu: TC
Telefon: 05073871003
Elektronik Posta:

Soru

1. Proje ile olan ilginiz?

a) Bölgede İkmet ediyorum
b) Bölgeni tanımıyorum

2. Proje hakkında yeterli bilgiye sahip misiniz?

a) Evet
b) Hayır

3. Projenin gerekli olduğunu düşünüyor musunuz?

a) Evet
b) Hayır
c) Bilmiyorum

4. Proje ile ilgili görüşleriniz nelerdir?

a) Destekliyorum
b) Kararsızım
c) Bilgim yok
d) Desteklemiyorum
5. Projenin çevre ve insan sağlığı üzerinde ne tür etkilerde bulunacağını düşünürsünüz?

a) Faydalı  
b) Zararlı  
c) Etkisiz  
d) Bilmiyorum

6. Çevrenin ve denizin korunması hususunda projenin nasıl bir katkısı olacağını düşünüyorsunuz?

a) Olumlu  
b) Olumsuz  
c) Etkisiz  
d) Bilim yok

7. Planlanan proje hakkında daha önce bir bilgiye sahip miyınız?

a) Evet detaylı bilgiye sahibim  
b) Kısım  
c) Hayır  
d) Bilim Yok

8. Proje ile ilgili olumsuz etkileneceğiniz düşünüdüğünüz ve değerlendirilmesini talep edeceğiniz yapılan açıklamalar dışında bir konu varsa lütfen belirtiniz.

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Süreç ve Bilgilendirme

MUĞLA BÜYÜKŞEHİR BELEDİYESİ SU VE KANALİZASYON İDARESİ GENEL MÜDÜRLÜĞÜ (MUSKİ)

ANKET SORULARI

Kısisel Bilgiler
Adi-Soyadi: Levent KURTBAŞIČLIOĞLU Cinsiyeti: Erkek
Mesleği: Sıte Yöneticisi Eğitim Düzeyi: Üniversite
İş adresi:                             Yaş: 68

Uruğu: Türk - Alman
Telefon: 0537 795 5138
Elektronik Posta: 

SORULAR

1. Proje ile olan ilginiz?
   a) Bölgede ikamet ediyorum  \(\times\)
   b) Bölgedeyim ve iyi bilirim
   c) Diğer (…………………………………………………………………………………………)

2. Proje hakkında yeterli bilgiye sahip misiniz?
   a) Evet
   b) Hayır  \(\times\)

3. Projenin gerekli olduğunu düşünüyor musunuz?
   a) Evet  \(\times\)
   b) Hayır
   c) Bilmem

4. Proje ile ilgili görüşleriniz nelerdir?
   a) Destekliyorum  \(\times\)
   b) Kararsız
   c) Bilgim yok
   d) Desteklememiyorum

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İLBAHK
5. Projenin çevre ve insan sağlığı üzerinde ne tür etkilerde bulunacağını düşünüyorsunuz?
   a) Faydali
   b) Zararlı
   c) Etkisiz
   d) Bilmiyorum

6. Çevrenin ve denizin korunması hususunda projenin nasıl bir katkısı olacağını düşünüyorsunuz?
   a) Olumlu
   b) Olumsuz
   c) Etkisiz
   d) Bilgim yok

7. Planlanan proje hakkında daha önce bir bilgiye sahip midiniz?
   a) Evet detaylı bilgiye sahibim
   b) Kısmen
   c) Hayır
   d) Bilgim Yok

8. Proje ile ilgili olumsuz etkileneceğinizi düşündüğünüz ve değerlendirilmesini talep edeceğiniz yapılan açıklamalar dışında bir konu varsa lütfen belirtiniz.

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Südürülebilir Şehirler

Projeleri

MUĞLA BÜYÜKŞEHİR BELEDİYESİ SU VE KANALİZASYON İDARESİ GENEL MÜDÜRLÜĞÜ
(MUSKİ)

ANKET SORULARI

KİŞisel Bilgiler
Adi-Soyadi: Sümeyra Ayşe
Cinsiyeti: Erkek
Mesleği: Mühendis
T.C. Kimlik No: 54.1715.33.10
Uyruğu: İzmir
Telefon: 0232-345-6789
E-posta: sumeyra.ayse@muski.gov.tr

SORULAR

1. Proje ile ilgili bilginiz?
   a) Bölgede ikamet ediyorum
   b) Bölgedeki temsilcim
   c) Diğer (Lütfen belirtiniz): 

2. Proje hakkında yeterli bilgiye sahip misiniz?
   a) Evet
   b) Hayır

3. Projenin gerekli olduğunu düşünüyor musunuz?
   a) Evet
   b) Hayır
   c) Bilmem

4. Proje ile ilgili görüşleriniz nelerdir?
   a) Destekliyorum
   b) Kararsız
   c) Bilgim yok
   d) Desteklemiyorum
5. Projenin çevre ve insan sağlığı üzerinde ne tür etkilerde bulunacağını düşünürsünüz?
   a) Faydali
   b) Zararlı
   c) Etkisiz
   d) Bilmiyorum

6. Çevrenin ve denizin korunması hususunda projenin nasıl bir katkı olacağı düşündüğünü düşünürsünüz?
   a) Olumlu
   b) Olumsuz
   c) Etkisiz
   d) Bilgin yok

7. Planlanan proje hakkında daha önce bir bilgiye sahip midiniz?
   a) Evet detaylı bilgiye sahibim
   b) Kışmen
   c) Hayır
   d) Bilgin Yok

8. Proje ile ilgili olumsuz etkileneceğiniz düşünüldüğünüz ve değerlendirilmesini talep edeceğiniz yapılan açıklamalar dışında bir konu varsa lütfen belirtiniz.

   [Yazlı açıklama]

   [Yazlı açıklama]

   [Yazlı açıklama]
Südürülebilir Şehirler
Projeleri

MUĞLA BÜYÜKŞEHİR BELEDİYESİ SU VE KANALİZASYON İDARESİ GENEL MÜDÜRLÜĞÜ
(MUSKİ)

ANKET SORULARI

Kişisel Bilgiler

Cinsiyet: Erkek

Eğitim Düzeyi: ortaokul

Yaş: 71

Uyruğ: Türk Amerikan

Telefon: 05332399081

Elektronik Posta: x

SORULAR

1. Proje ile olan ilginiz?

a) Bölgede İkamet ediyorum
b) Bölgenin tanıyorum

2. Proje hakkında yeterli bilgiye sahip misiniz?

a) Evet
b) Hayır

3. Projenin gerekli olduğunu düşünüyor musunuz?

a) Evet
b) Hayır

4. Proje ile ilgili görüşleriniz nelerdir?

a) Destekliyorum
b) Kararsız

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5. Projenin çevrede ve insan sağlığı üzerinde ne tür etkilerde bulunacağını düşüyorsunuz?
   
a) Faydali ✓
b) Zararlı
   c) Etkisiz
d) Bilmiyorum

6. Çevrenin ve denizin korunması hususunda projenin nasıl bir katkısı olacağını düşünüyorsunuz?
   
a) Olumlu ✓
b) Olumsuz
   c) Etkisiz
d) Bilgim yok

7. Planlanan proje hakkında daha önce bir bilgiye sahip miyiniz?
   
a) Evet detaylı bilgiye sahibim
b) Kısır
   c) Hayır ✓
d) Bilgim Yok

8. Proje ile ilgili olumsuz etkileneceğiniz düşünüğünüz ve değerlendirilmesini talep edeceğiniz yapılan açıklamalar dışında bir konu varsa lütfen belirtiniz.

   Bu proje ye ges bile kalındı bu muvesimler, desimi simt ve bok kadişenden durumiyorum Emalak vergisi usmiyorum dikkatleninize Arz e demim.

Yazar Arslanbay 
Yan Arslan
Sürdürülebilir Şehirler

Projeleri

MUĞLA BÜYÜKŞEHİR BELEDİYESİ SU VE KANALİZASYON İDARESİ GENEL MÜDÜRLÜĞÜ (MUSKİ)

ANKET SORULARI

**Kişisel Bilgiler**
Ad-Soyadı: Kaniye Karadeniz
Cinsiyeti: Ev
Mesleği: Hamam
İş adresi: Bolu Ahmet mahallesi menderes caddesi
Yaş: 40
Uyruğu: Türk
Elektronik Posta:

**SORULAR**

1. Proje ile olan ilginiz?
   a) Bölgede İkamet ediyorum
   b) Bölgeni tanımiyorum
   c) Diğer (..................)

2. Proje hakkında yeterli bilgiye sahip misiniz?
   a) Evet
   b) Hayır

3. Projenin gerekli olduğunu düşünüyorsunuz musunuz?
   a) Evet
   b) Hayır
   c) Bilmiyorum

4. Proje ile ilgili görüşleriniz nelerdir?
   a) Destekliyorum
   b) Karasımız
   c) Bilgin yok
   d) Desteklemiyorum
5. Projenin çevre ve insan sağlığı üzerinde ne tür etkilerde bulunacağını düşünürsünüz?

a) Faydali  
b) Zararlı  
c) Etkisiz  
d) Bilmiyorum

6. Çevrenin ve denizin korunması hususunda projenin nasıl bir katkısı olacağını düşünürsünüz?

a) Olumlu  
b) Olumsuz  
c) Etkisiz  
d) Bilgim yok

7. Planlanan proje hakkında daha önce bir bilgiye sahip miyiniz?

a) Evet detaylı bilgiye sahibim  
b) Kısımtan  
c) Hayır  
d) Bilgim Yok

8. Proje ile ilgili olumsuz etkileneceğinizin düşündüğünüz ve değerlendirilmesini talep edeceğiniz yapılan açıklamalar dışında bir konu varsa lütfen belirtiniz.

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MUĞLA BÜYÜKŞEHİR BELEDİYESİ SU VE KANALİZASYON İDARESİ GENEL MÜDÜRLÜĞÜ (MÜSKİ)

Kısa Bilgiler
Adi-Soyadi: \[\text{Sema Turgut} \]  
Cinsiyeti: \[\text{Ertel} \]  
Uyruğ: \[\text{TC} 0532405988 \]
Mesleği: \[\text{Calışan} \]  
Eğitim Düzeyi: \[\text{Oktay} \]  
Telefon: \[0532405988 \]
İş adresi: \[\text{Celalbayrak} \]  
Yaş: \[41 \]  
Elektronik Posta: \[\text{olu} \]

SORULAR
1. Proje ile olan ilginiz?
   a) Bölgede ikamet ediyorum
   b) Boğazı tanımyorum
   c) Diğer (Bölgede Çalışıyorum)

2. Proje hakkında yeterli bilgiye sahip misiniz?
   a) Evet
   b) Hayır

3. Projenin gerektiğini düşünüyor musunuz?
   a) Evet
   b) Hayır
   c) Bilmiyorum

4. Proje ile ilgili görüşleriniz nelerdir?
   a) Destekliyorum
   b) Kararsız
   c) Bilgiym yok
   d) Desteklemiyorum
5. Projenin çevresi ve insan sağlığı üzerinde ne tür etkilerde bulunacağını düşünürsünüz?

(a) Faydalı  
(b) Zararlı  
(c) Etkisiz  
(d) Bilmiyorum

6. Çevrenin denizin korunması hususunda projenin nasıl bir Katkısı olacağını düşünüyorsunuz?

(a) Olumlu  
(b) Olumsuz  
(c) Etkisiz  
(d) Bilgim yok

7. Planlanan proje hakkında daha önce bir bilgiye sahip miydiniz?

(a) Evet detaylı bilgiye sahibim  
(b) Kismen  
(c) Hayır  
(d) Bilgim yok

8. Proje ile ilgili olumsuz etkileneceğinizı düşünüdüğünüz ve değerlendirmesini talep edeceğiniz yapılan açıklamalar dışında bir konu varsa lütfen belirtiniz.

Projemiz başlama ve worksession tasarımı dengen etmekle, ilgili gerekli şekilde planlanmasına 2019 yaz sezonuna 10 ayın ve yeşilin aşımı ile perde çalışmalardaki bitmiş olmak 4 mayıs 2019 forınıda tem ilgili kurumlar ve ilçe belediyede dahil gersel çalışmaların tamamlanmış ol гаран alınması için bölge esnekliğinin hem de danışın sona ermesini hem de eğitimin hem de dontarı bir yandan gelen tatilcilерin alınması ve bilimedeki gelisir bir ortamda toplul geceir -mosını temennini ediyor.
MUĞLA BÜYÜKŞEHİR BELEDİYESİ SU VE KANALİZASYON İDARESİ GENEL MÜDÜRLÜĞÜ (MUSKİ)

KİŞİSEL BİLGİLER
Adı-Soyadı: Emel Kaya
Mesleği: Emekli
İş adresi: —

ANKET SORULARI

Cinsiyeti: Erkek
Eğitim Düzeyi: İlköğretim
Yaş: 79
Urudoğ: Tcm
Telefon: 0 586 992 46 56
Elektronik Posta: —

SORULAR

1. Proje ile olan ilginiz?
   a) Bölgede ikamet ediyorum
   b) Bölgeyi tanıyorum
   c) Diğer (………………………………………………………………………………………………………)

2. Proje hakkında yeterli bilgiye sahip misiniz?
   a) Evet ✗
   b) Hayır

3. Projenin gerekli olduğunu düşünüyorum musunuz?
   a) Evet ✗
   b) Hayır
   c) Bilmiyorum

4. Proje ile ilgili görüşleriniz nelerdir?
   a) Destekliyorum ✗
   b) Kararsız
   c) Bilgim yok
   d) Desteklemiyorum
5. Projenin çevre ve insan sağlığı üzerinde ne tür etkilerde bulunacağını düşünürsünüz?
   a) Faydali  
   b) Zararlı   
   c) Etkisiz   
   d) Bildiym yok

6. Çevrenin ve denizin korunması hususunda projenin nasıl bir katkı olacağını düşünüyorsunuz?
   a) Olumlu  
   b) Olumsuz   
   c) Etkisiz   
   d) Bildiym yok

7. Planlanan proje hakkında daha önce bir bilgiye sahip midiniz?
   a) Evet detaylı bilgiye sahibim
   b) Kismen   
   c) Hayır   
   d) Bildiym Yok

8. Proje ile ilgili olumsuz etkileneceğinizi düşünündüğünüz ve değerlendirilmesini talep edeceğiniz yapılan açıklamalar dışında bir konu varsa lütfen belirtiniz.
Sürücülebilir Şehirler
Projeleri

MUĞLA BÜYÜKŞEHİR BELEDİYESİ SU VE KANALİZASYON İDARESİ GENEL MÜDÜRLÜĞÜ (MUSKİ)

ANKET SORULARI

Kişisel Bilgiler
Adi-Soyadı: [Adınız Soyadınız]
Mesleği: [Mesleğiniz]
İş adresi: [İş adresiniz]

Cinsiyeti: [Cinsiyetiniz]
Eğitim Düzeyi: [Eğitim düzeyiniz]
Yaş: [Yaşınız]

Uyruğu: [Uyruğunuz]
Telefon: [Telefonunuz]
Elektronik Posta: [E-posta adresiniz]

SORULAR

1. Proje ile olan ilginiz?
   a) Bölgede İkamet ediyorum
   b) Bölgede tanınıyorum
   c) Diğer (______________________________)

2. Proje hakkında yeterli bilgiye sahip misiniz?
   a) Evet
   b) Hayır
   c) Bilmiyorum

3. Projenin gerekli olduğunu düşünüyorsunuz musunuz?
   a) Evet
   b) Hayır
   c) Bilmiyorum

4. Proje ile ilgili görüşleriniz nelerdir?
   a) Destekleyorum
   b) Kararsızım
   c) Bilgim yok
   d) Desteklemiyorum

[Logolar]
5. Projenin çevre ve insan sağlığı üzerinde ne tür etkilerde bulunacağını düşüyorsunuz?
   a) Faydali
   b) Zararlı
   c) Etkisiz
   d) Bilmiyorum

6. Çevrenin ve denizin korunması hususunda projenin nasıl bir katkısı olacağını düşünmeyorsunuz?
   a) Olumlu
   b) Olumsuz
   c) Etkisiz
   d) Bilgim yok

7. Planlanan proje hakkında daha önce bir bilgiye sahip midiniz?
   a) Evet detaylı bilgiye sahibim
   b) Kısım
   c) Hayır
   d) Bilgim Yok

8. Proje ile ilgili olumsuz etkileneceğinizi düşünüğünüz ve değerlendirilmesini talep edeceğiniz yapılan açıklamalar dışında bir konu varsa lütfen belirtiniz.

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**ANKET SORULARI**

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**SORULAR**

1. Proje ile olan ilginiz?
   a) Bölgede İkamet ediyorum
   b) Bölgeyi tanıyorum
   c) Diğer (__________________________________________________________)

2. Proje hakkında yeterli bilgiye sahip misiniz?
   a) Evet
   ☑ b) Hayır

3. Projenin gerekli olduğunu düşünüyor musunuz?
   a) Evet
   ☑ b) Hayır
   c) Bilmiyorum

4. Proje ile ilgili görüşleriniz nelerdir?
   a) Destekliyorum
   ☑ b) Kararsızım
   c) Bilgim yok
   d) Desteklemiyorum

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**THE WORLD BANK**

**ARÜV ÇEVRE**

**İLBANK**

**FETHİYE – HISARÖNÜ – OVACIK KANALİZASYON ŞEBEKESİ VE KOLLEKTOR HATTI VE ATIKSU ARITMA TESİSLERİ VE TERFI İSTASYONLARI MEKANİK EKİPMANLARINI Nİ ELİNİMESİ PROJELERİ HALKIN KATILIMI TOPLANTISI 02.08.2018**
5. Projenin çevre ve insan sağlığı üzerinde ne tür etkilerde bulunacağını düşünüyorsunuz?
   a) Faydalı
   b) Zararlı
   c) Etkisiz
   d) Bilmiyorum

6. Çevrenin ve denizin korunması hususunda projenin nasıl bir katkısı olacağını düşünüyorsunuz?
   a) Olumlu
   b) Olumsuz
   c) Etkisiz
   d) Bilgim yok

7. Planlanan proje hakkında daha önce bir bilgiye sahip miyiniz?
   a) Evet detaylı bilgiye sahibim
   b) Kismen
   c) Hayır
   d) Bilgim Yok

8. Proje ile ilgili olumsuz etkileneceğini düşünügünüz ve değerlendirilmesini talep edeceğiniz yapılan açıklamalar dışında bir konu varsa lütfen belirtiniz.

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........................................................................................................................................................
Sürekli Bilgiler
Adi-Soyadı: İbrahim TAŞTAN
Mesleği: Ticaret
İş adresi: Accor Group

Cinsiyeti: 
Eğitim Düzeyi: Lisans
Yaş: 23

Uyruğu: 
Telefon: 0555 442 55 83
Elektronik Posta: ihabasstan@sk.com

SORULAR
1. Proje ile olan ilginiz?
   a) Bölgede İkamet ediyorum
   b) Bölgede tanımannıyorum
   c) Diğer (...........................................................)

2. Proje hakkında yeteri bilgiye sahip misiniz?
   a) Evet
   b) Hayır

3. Projenin gerekli olduğunu düşünüyor musunuz?
   a) Evet
   b) Hayır
   c) Bilmiyorum

4. Proje ile ilgili görüşlerinize nelerdir?
   a) Destekliyorum
   b) Karasızım
   c) Bilgim yok
   d) Desteklemiyorum
5. Projenin çevreme ve insan sağlığı üzerinde ne tür etkilerde bulunacağını düşünürsünüz?
   a) Faydali
   b) Zararlı
   c) Etkisiz
   d) Bilmiyorum

6. Çevrenin ve denizin korunması hususunda projenin nasıl bir katkısı olacağını düşünürsünüz?
   a) Olumlu
   b) Olumsuz
   c) Etkisiz
   d) Bilgim yok

7. Planlanan proje hakkında daha önce bir bilgiye sahip midiniz?
   a) Evet detaylı bilgiye sahibim
   b) Kısrtım
   c) Hayır
   d) Bilgim Yok

8. Proje ile ilgili olumsuz etkilenecğiniz düşünündüğünüz ve değerlendirilmesini talep edeceğiniz yapılan açıklamalar dışında bir konu varsa lütfen belirtiniz.

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KİŞisel Bilgiler

Adı-Soyadı: İLÇE MÜDÜRLÜĞÜ
Mesleği:
İş adresi:

ANKET SORULARI

Cinsiyeti:
Eğitim Düzeyi:
Yaş:
Uyruğu:
Telefon:
Elektronik Posta:

SORULAR

1. Proje ile olan ilginiz?
   a) Bölgede İkamet ediyorum
   b) Bölgede tanışmıyorum
   c) Diğer (______________________________)

2. Proje hakkında yeteri bilgiye sahip musunuz?
   a) Evet
   b) Hayır

3. Projenin gerekli olduğunu düşünüyor musunuz?
   a) Evet
   b) Hayır
   c) Bilmiyorum

4. Proje ile ilgili görüşleriniz nelerdir?
   a) Destekliyorum
   b) Kararsızım
   c) Bilgim yok
   d) Desteklemiyorum

ARÜV ÇEVRE
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5. Projenin çevre ve insan sağlığı üzerinde ne tür etkilerde bulunacağını düşünürsünüz?
   a) Faydalı
   b) Zararlı
   c) Etkisiz
   d) Bilmiyorum

6. Çevrenin ve denizin korunması hususunda projenin nasıl bir katkıإقı olacağını düşünüyorsunuz?
   a) Olumlu
   b) Olumsuz
   c) Etkisiz
   d) Bilgim yok

7. Planlanan proje hakkında daha önce bir bilgiye sahip miyiniz?
   a) Evet detaylı bilgiye sahibim
   b) Kısmen
   c) Hayır
   d) Bilgim Yok

8. Proje ile ilgili olumsuz etkileneneceğinizi düşündüğünüz ve değerlendirilmesini talep edeceğiniz yapılan açıklamalar dışında bir konu varsa lütfen belirtiniz.

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MUĞLA BÜYÜKŞEHİR BELEDİYESİ SU VE KANALİZASYON İDARESİ GENEL MÜDÜRLÜĞÜ (MUSKİ)

ANKET SORULARI

KISisel BİLGİLER
Adi-Soyadi: Yerel JCDI
Mesleği: Öğretmen
İş adresi: Telmessos HOTEL

Cinsiyeti: ♂
Eğitim Düzeysi: Yüksek
Yaş: 56

UYRUĞU: TC-
Telefon: 05367674747
Elektronik Posta:

SORULAR

1. Proje ile olan ilginiz?
   a) Bölgede ikamet ediyorum +
   b) Bölgeyi tanıyorum
   c) Diğer (______________________________________________________________)

2. Proje hakkında yeterli bilgiye sahip misiniz?
   a) Evet +
   b) Hayır

3. Projenin gerekli olduğunu düşünüyor musunuz?
   a) Evet +
   b) Hayır
   c) Bilmiyorum

4. Proje ile ilgili görüşlerinizi nelerdir?
   a) Destekliyorum +
   b) Karasızım
   c) Bilgim yok
   d) Desteklemiyorum
5. Projenin çevrede ve insan sağlığı üzerinde ne tür etkilerde bulunacağını düşünürsünüz?
   a) Faydalı ⊗
   b) Zararlı
   c) Etkisiz
   d) Bilmiyorum

6. Çevrenin ve denizin korunması hususunda projenin nasıl bir katkısı olacağıni düşünürsünüz?
   a) Olumu ⊗
   b) Olumsuz
   c) Etkisiz
   d) Bilim yok

7. Planlanan proje hakkında daha önce bir bilgiye sahip midiniz?
   a) Evet detaylı bilgiye sahibim ⊗
   b) Kismen
   c) Hayır
   d) Bilim Yok

8. Proje ile ilgili olumsuz etkilenecğini düşündüğünüz ve değerlendirmesini talep edeceğiniz yapılan açıklamalar dışında bir konu varsas lütfen belirtiniz.

[Teksten yazılmamış paragraf]

Serin bünyemede imkanlarınıza eritme yap탈 dever makası kasığı beliriyoruz.
Telmessaos Scelet hotelin altında geçen dereyi oksan şöyle melisiniz-
Sitma varım eydili olmayımak büyük sanlıyız - Saplalar

Nermin Axl

[Logolar]
Südürülebilir Şehirler
Projeleri

MUĞLA BÜYÜKŞEHİR BELEDİYESİ SU VE KANALİZASYON İDARESİ GENEL MÜDÜRLÜĞÜ (MÜSKİ)

**Kısisel Bilgiler**
Adı-Soyadı:  
Mesleği:  
İş adresi:  

**ANKET SORULARI**
Cinsiyeti:  
Uyruğu:  
Eğitim Düzeyi:  
Telefon:  
Yaş:  
Elektronik Posta:  

1. Proje ile olan ilginiz?
   a) Bölgede İkamet ediyorum  
   b) Bölgedeyi tanıyorum  
   c) Diğer (.................................................................)

2. Proje hakkında yeterli bilgiye sahip misiniz?
   a) Evet  
   b) Hayır

3. Projenin gerekli olduğunu düşünüyor musunuz?
   a) Evet  
   b) Hayır  
   c) Bilmiyorum

4. Proje ile ilgili görüşleriniz nelerdir?
   a) Destekliyorum  
   b) Karasızım  
   c) Bilgim yok  
   d) Desteklemiyorum
5. Projenin çevre ve insan sağlığı üzerinde ne tür etkilerde bulunacağını düşünüyor muydunuz?
   a) Faydali
   b) Zararlı
   c) Etkisiz
   d) Bilmiyorum

6. çevrenin ve denizin korunması hususunda projenin nasıl bir katkıya olacağını düşünüyor musunuz?
   a) Olumlu
   b) Olumsuz
   c) Etkisiz
   d) Bilgim yok

7. Planlanan proje hakkında daha önce bir bilgiye sahip miydiniz?
   a) Evet detaylı bilgiye sahibim
   b) Kısımta
   c) Hayır
   d) Bilgim Yok

8. Proje ile ilgili olumsuz etkileneceğiniz düşündüğünüz ve değerlendirilmesini talep edeceğiniz yapılan açıklamalar dışında bir konu varsa lütfen belirtiniz.

[Özelleştirilmiş açıklama]

[Özelleştirilmiş açıklama]
Südürülebilir Şehirler
Projeleri

MUĞLA BÜYÜKŞEHİR BELEDİYESİ SU VE KANALİZASYON İDARESİ GENEL MÜDÜRLÜĞÜ (MÜSKİ)

ANKET SORULARI

Kısaş Bilgiler
Adi-Soyadı: Ebru Aydemir
Mesleği: Restoran Partisi
İş adresi: Özeniz Mh, Cumhuriyet Cd, 41B5
Cinsiyeti: Erkek
Eğitim Düzeyi: Lise
Yaş: 68
Uyruğu: 0544 658 5351
Telefon: Elektronik Posta:

SORULAR

1. Proje ile olan ilginiz?
   a) Bölgede ikamet ediyorum
   b) Boğdayı tanımmıyorum
   c) Diğer (………………)

2. Proje hakkında yeterli bilgiye sahip misiniz?
   a) Evet ☒
   b) Hayır

3. Projenin gerekli olduğunu düşünüyor musunuz?
   a) Evet ☒
   b) Hayır
   c) Bilmiyorum

4. Proje ile ilgili görüşlerinizi nelerdir?
   a) Destekliyorum ☒
   b) Karasızım
   c) Bilgim yok
   d) Desteklemiyorum
5. Projenin çevre ve insan sağlığı üzerinde ne tür etkilerde bulunacağını düşüyorsunuz?
   a) Faydalı
   b) Zararlı
   c) Etkisiz
   d) Bilmiyorum

6. Çevrenin ve denizin korunması hususunda projenin nasıl bir katkısı olduğunu düşünüyorsunuz?
   a) Olumlu
   b) Olumsuz
   c) Etkisiz
   d) Bilgin yok

7. Planlanan proje hakkında daha önce bir bilgiye sahip miydiniz?
   a) Evet detailli bilgiye sahibim
   b) Kısır
   c) Hayır
   d) Bilgin Yok

8. Proje ile ilgili olumsuz etkileneceğinizi düşündüğünüz ve değerlendirilmesini talep edeceğiniz yapılan açıklamalar dışında bir konu varsa lütfen belirtiniz.

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Sürdürülebilir Şehirler
Projeleri

MUĞLA BÜYÜKŞEHİR BELEDİYESİ SU VE KANALİZASYON İDARESİ GENEL MÜDÜRLÜĞÜ (MUSKİ)

ANKET SORULARI

KİŞisel Bilgiler:

Ad Soyad: ____________________________
Mesleki: ____________________________
İş Adresi: ____________________________

Cinsiyet: ____________________________
Eğitim Düzeyi: ____________________________
Yaş: ____________________________

Uyruğ: ____________________________
Telefon: ____________________________
Elektronik Posta: ____________________________

SÜRÜCÜ

1. Proje ile olan ilginiz?
   a) Bölgede İkamet ediyorum
   b) Bölgedeyim ve tanımıyoruz
   c) Diğer (……………………………………………………………………………………………………………)

2. Proje hakkında yeterli bilgiye sahip misiniz?
   a) Evet
   b) Hayır

3. Projenin gerekli olduğunu düşünüyor musunuz?
   a) Evet
   b) Hayır
   c) Bilmiyorum

4. Proje ile ilgili görüşlerinize nelerdir?
   a) Destekliyorum
   b) Kararsızım
   c) Bilgim yok
   d) Desteklemiyorum
5. Projenin çevre ve insan sağlığı üzerinde ne tür etkilerde bulunacağını düşünüyorsunuz?
   a) Faydalı
   b) Zararlı
   c) Etkisiz
   d) Bilmiyorum

6. Çevrenin ve denizin korunması hususunda projenin nasıl bir katkı olacağını düşünüyorsunuz?
   a) Olumlu
   b) Olumsuz
   c) Etkisiz
   d) Bilgim yok

7. Planlanan proje hakkında daha önce bir bilgiye sahip misiniz?
   a) Evet detaylı bilgiye sahibim
   b) Kısım
   c) Hayır
   d) Bilgim Yok

8. Proje ile ilgili olumsuz etkileneceğinizi düşünüyorsunuz ve değerlendirme İçin talep edeceğiniz yapılan açıklamalar dışında bir konu varsa lütfen belirtiniz.

Bu projenin birlikte (Telekom. Eletrik gibi) olt yapısı bulunmaktadır, yapının yapılışını ne zaman (güvenli şekilde) Telekom olt yapı sorunu bulunmaktadır.
MUĞLA BÜYÜKŞEHİR BELEDİYESİ SU VE KANALİZASYON İDARESİ GENEL MÜDÜRLÜĞÜ (MUSKİ)

ANKET SORULARI

Kısisel Bilgiler
Adi-Soyadı: Hakan Uğur
Cinsiyeti:
Mesleği: Mektebci
Eğitim Düzeyi:
İş adresi: Av褴rdakı Cad. 630, Bülent
Yaş:
Uyruğu:
Telefon:
Elektronik Posta:

SORULAR
1. Proje ile olan ilginiz?
   a) Ölümü
   b) Hayat

2. Proje hakkında yeterli bilgiye sahip misiniz?
   a) Evet
   b) Hayır

3. Projenin gerekli olduğunu düşünüyor musunuz?
   a) Evet
   b) Hayır
   c) Bilmiyorum

4. Proje ile ilgili görüşleriniz nelerdir?
   a) Destekliyorum
   b) Karasızım
   c) Bilgim yok
   d) Desteklemiyorum
5. Projenin çevre ve insan sağlığı üzerinde ne tür etkilerde bulunacağını düşünürsünüz?
   a) Faydali
   b) Zararlı
   c) Etkisiz
   d) Bilmiyorum

6. Çevrenin ve denizin korunması hususunda projenin nasıl bir katkısı olacağını düşünüyor musunuz?
   a) Olumlu
   b) Olumsuz
   c) Etkisiz
   d) Bilgim yok

7. Planlanan proje hakkında daha önce bir bilgiye sahip midiniz?
   a) Evet detaylı bilgiye sahibim
   b) Kısım
   c) Hayır
   d) Bilgim Yok

8. Proje ile ilgili olumsuz etkilenceğinizi düşünüdüğünüz ve değerlendirilmesini talep edeceğiniz yapılan açıklamalar dışında bir konu varsa lütfen belirtinız.

   **Simdiye kadar pornoşamanın bu parçağını, gizli ve yazılı olarak bu belde hakkında Kazakh mis ol bu milletin bugünü. Alıver olursunuz**

   **Sunul**
Sürdürülebilir Şehirler
Projeleri

MUĞLA BÜYÜKŞEHIR BELEDİYESI SU VE KANALİZASYON İDARESİ GENEL MÜDÜRLÜĞÜ
(MUSKİ)

ANKET SORULARI

Kişisel Bilgiler
Adı-Soyadı: yoldin zaman Cinsiyeti: Uyruğu: t. c
Mesleği: İletmevi Eğitim Düzeyi: Telefon: 0353/4713082
İş adresi: 207.50 k. Hisarcık Yaş: Elektronik Posta:

SORULAR
1. Proje ile olan ilginiz?
   a) Bölgede ikamet ediyorum
   b) Bölgede ikamet ediyorum
   c) Diğer ( )
   
   çok acil arınma ıhtiyaçım var

2. Proje hakkında yeterli bilgiye sahip misiniz?
   a) Evet
   b) Hayır

3. Projenin gerekli olduğunu düşünüyor musunuz?
   a) Evet
   b) Hayır
   c) Bilmiyorum

4. Proje ile ilgili görüşleriniz nelerdir?
   a) Destekliyorum
   b) Kararsızım
   c) Bilgim yok
   d) Desteklemiyorum
5. Projenin çevre ve insan sağlığı üzerinde ne tür etkilerde bulunacağını düşünürsünüz?
   a) Faydali
   b) Zararlı
   c) Etkisiz
   d) Bilmiyorum

6. Çevrenin ve denizin korunması hususunda projenin nasıl bir katkısı olacağını düşünüyor muyorsunuz?
   a) Olumlu
   b) Olumsuz
   c) Etkisiz
   d) Bilgim yok

7. Planlanan proje hakkında daha önce bir bilgiye sahip miydiniz?
   a) Evet detaylı bilgiye sahibim
   b) Kısmen
   c) Hayır
   d) Bilgim Yok

8. Proje ile ilgili olumsuz etkileneceğinizi düşünürünüz ve değerlendirilmesini talep edeceğiniz yapılan açıklamalar dışında bir konu varsısa lütfen belirtiniz.

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Süreğeyle bir Şehirler Projeleri

MUĞLA BÜYÜKŞEHİR BELEDİYESİ SU VE KANALİZASYON İDARESİ GENEL MÜDÜRLÜĞÜ (MUSKİ)

Kısit Bilgiler
Adı-Soyadı: [ decentralized]
Cinsiyeti: Erkek
Mesleği: İş adresi: Eskişehir - Bolu - Bursa
Yaş: 58

ANKET SORULARI

Uyruğu: TC 0532316828

1. Proje ile olan ilginiz?
   a) Bölgede İkamet ediyorum
   b) Bölgenin tanımıyorum
   c) Diğer (..........................................................)

2. Proje hakkında yeteri bilgiye sahip misiniz?
   a) Evet
   b) Hayır

3. Projenin gerekli olduğunu düşünüyor musunuz?
   a) Evet
   b) Hayır
   c) Bilmiyorum

4. Proje ile ilgili görüşleriniz nelerdir?
   a) Destekliyorum
   b) Karasızım
   c) Bilgim yok
   d) Desteklemiyorum

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ARÜV ÇEVRE

İLBANK
5. Projenin çevre ve insan sağlığı üzerinde ne tür etkilerde bulunacağını düşünüyorsunuz?
   a) Faydalı
   b) Zararlı
   c) Etkisiz
   d) Bilmiyorum

6. Çevrenin ve denizin korunması hususunda projenin nasıl bir katkısı olacağını düşünüyorsunuz?
   a) Olumlu
   b) Olumsuz
   c) Etkisiz
   d) Bilgim yok

7. Planlanan proje hakkında daha önce bir bilgiye sahip miydiniz?
   a) Evet detaylı bilgiye sahibim
   b) Kısım
   c) Hayır
   d) Bilgim Yok

8. Proje ile ilgili olumsuz etkileneceginizi düşündüğunüz ve değerlendirilmesini talep edeceğiniz yapılan açıklamalar dışında bir konu varsa lütfen belirtiniz.
Süreçlendirilebilir Şehirler

Projeleri

MUĞLA BÜYÜKŞEHİR BELEDİYESİ SU VE KANALİZASYON İDARESİ GENEL MÜDÜRLÜĞÜ
(MUSKİ)

ANKET SORULARI

Kişisel Bilgiler
Adi-Soyadi: Bedriye Cinsiyeti: Uyruğu:
Mesleği: Emekli Eğitim Düzeyi: Telefon:
İş adresi: İşgal Yılaş: Elektronik Posta:

SORULAR
1. Proje ile olan ilginiz?
   a) Bölgede İkamet ediyorum  
   b) Boğayı tanımiyorum  
   c) Diğer ( )

2. Proje hakkında yeterli bilgiye sahip misiniz?
   a) Evet  
   b) Hayır

3. Projenin gerekli olduğunu düşünüyor musunuz?
   a) Evet  
   b) Hayır  
   c) Bilmiyorum

4. Proje ile ilgili görüşlerinizi nelerdir?
   a) Destekliyorum  
   b) Kararsızım  
   c) Bilgiim yok  
   d) Desteklemiyorum
5. Projenin çevreme ve insan sağlığı üzerinde ne tür etkilerde bulunacağını düşüyorsunuz?

a) Faydali  
b) Zararlı  
c) Etkisiz  
d) Bilmıyorum

6. Çevrenin ve denizin korunması hususunda projenin nasıl bir katkısı olacağını düşünüyorsunuz?

a) Olumlu  
b) Olumsuz  
c) Etkisiz  
d) Bilgim yok

7. Planlanan proje hakkında daha önce bir bilgiye sahip midiniz?

a) Evet detaylı bilgiye sahibim  
b) Kısım  
c) Hayır  
d) Bilgim Yok

8. Proje ile ilgili olumsuz etkileneneceğiniz düşünüğünüz ve değerlendirilmesini talep edeceğiniz yapılan açıklamalar dışında bir konu varsa lütfen belirtiniz.

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Sürdürülebilir Şehirler
Projeleri

MUĞLA BÜYÜKŞEHİR BELEDİYESİ SU VE KANALİZASYON İDARESİ GENEL MÜDÜRLÜĞÜ (MUSKİ)

ANKET SORULARI

Kısit Bilgiler
Adı-Soyadı: Erhan GİMMET
Mesleği: Elektronik Tekniker
İş adresi: Gazı Mustafa Kemal Atatürk Kütüphane merkezi
Cinsiyeti: Erkek
Eğitim Düzeyi: Önlisans
Yaş: 28
Uyruğu: T.C.
Telefon: 0-552 277 15 73
Elektronik Posta: eghtmz@gmail.com

SORULAR

1. Proje ile olan ilginiz?
   a) Bölgede İkmet ediyorum
   b) Bölgeyi tanımiyorum
   c) Diğer (.................................................................)

2. Proje hakkında yeterli bilgiye sahip misiniz?
   a) Evet
   b) Hayır

3. Projenin gerekli olduğunu düşünüyor musunuz?
   a) Evet
   b) Hayır
   c) Bilmiyorum

4. Proje ile ilgili görüşlerinize nelerdir?
   a) Destekliyorum
   b) Karasınız
   c) Bilgim yok
   d) Desteklemiyorum
5. Projenin çevre ve insan sağlığı üzerinde ne tür etkilerde bulunacağını düşünürsünüz?
   a) Faydalı 
   b) Zararlı 
   c) Etkisiz 
   d) Bilmiyorum

6. Çevrenin ve denizin korunması hususunda projenin nasıl bir katkısı olacağını düşünürsünüz?
   a) Olumlu 
   b) Olumsuz 
   c) Etkisiz 
   d) Bilgim yok

7. Planlanan proje hakkında daha önce bir bilgiye sahip midiniz?
   a) Evet detailli bilgiye sahibim 
   b) KÎşmên 
   c) Hayır 
   d) Bilgim Yok

8. Proje ile ilgili olumsuz etkileneceğiniz düşündüğünüz ve değerlendirilmesini talep edeceğiniz yapılan açıklamalar dışında bir konu varsa lütfen belirtiniz.

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ANDET SORULARI

KISisel BİLGİLER
Adı-Soyadı: Selahattin Kocaşık Cinsiyeti: Erkek
Mesleği: Elektronik Teknoloji Eğitim Düzeyi: Lisevi
İş adresi: Muğla Büyükşehir Belediyesi Yaş: 28

UYRUĞU: EC
Telefon: 1556437748
Elektronik Posta:

SORULAR
1. Proje ile olan ilginiz?
   a) Bölgede ikamet ediyorum
   b) Bolgeyi tanımıyorum
   c) Diğer (..........................)

2. Proje hakkında yeterli bilgiye sahip misiniz?
   a) Evet ✓
   b) Hayır

3. Projenin gerekli olduğunu düşünüyor musunuz?
   a) Evet ✓
   b) Hayır
   c) Bilmiyorum

4. Proje ile ilgili görüşleriniz nelerdir?
   a) Destekliyorum ✓
   b) Karasınız
   c) Bilgim yok
   d) Desteklemiyorum
5. Projenin çevre ve insan sağlığı üzerinde ne tür etkilerde bulunacağını düşünürsünüz?
   a) Faydali
   b) Zararlı
   c) Etkisiz
   d) Bilmiyorum

6. Çevrenin ve denizin korunması hususunda projenin nasıl bir katkısı olacağı düşünüyorsunuz?
   a) Olumlu
   b) Olumsuz
   c) Etkisiz
   d) Bilgim yok

7. Planlanan proje hakkında daha önce bir bilgiye sahibiniz?
   a) Evet detaylı bilgiye sahibim
   b) Kısırın
   c) Hayır
   d) Bilgim Yok

8. Proje ile ilgili olumsuz etkileneceginizi düşünürsünüz ve değerlendirilmesini talep edeceğiniz yapılan açıklamalar dışında bir konu varsa lütfen belirtiniz.
Südürülebilir Şehirler

Projeleri

MUĞLA BÜYÜKŞEHİR BELEDİYESİ SU VE KANALİZASYON İDARESİ GENEL MÜDÜRLÜĞÜ (MÜSKİ)

Kısıt Bilgiler
Adı-Soyadı: OSMAN KÖK
Mesleği: Belediye emekli
İş adresi:

ANKET SORULARI

Cinsiyeti: ERKEK
Eğitim Düzeyi: İLKÖČÜMELİ
Yaş: 58
Uyruğu: T.C
Telefon: 05056649102
Elektronik Posta:

SORULAR

1. Proje ile olan ilginiz?

(a) Bölgede ikamet ediyorum
(b) Bölgede yerleştirmiylem
(c) Diğer (________________________) 

2. Proje hakkında yeterli bilgiye sahip misiniz?

(a) Evet
(b) Hayır
(c) Sorumuşum

3. Projenin gerekli olduğunu düşünüyor musunuz?

(a) Evet
(b) Hayır
(c) Bilmem

4. Proje ile ilgili görüşlerinizi nelerdir?

(a) Destekliyorum
(b) Kararsızım
(c) Bilgim yok
(d) Desteklemiyorum
5. Projenin çevre ve insan sağlığı üzerinde ne tür etkilerde bulunacağını düşünüyorsunuz?
   a) Faydalı
   b) Zararlı
   c) Etkisiz
   d) Bilmiyorum

6. Çevrenin ve denizin korunması hususunda projenin nasıl bir katkısı olacağını düşünüyorsunuz?
   a) Olumlu
   b) Olumsuz
   c) Etkisiz
   d) Bilgim yok

7. Planlanan proje hakkında daha önce bir bilgiye sahip midiniz?
   a) Evet detaylı bilgiye sahibim
   b) Kısım
   c) Hayır
   d) Bilgim Yok

8. Proje ile ilgili olumsuz etkileneceğinizi düşünüdüğünüz ve değerlendirmeoncesine talep edeceğiniz yapılan açıklamalar dışında bir konu varsa lütfen belirtiniz.

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MUĞLA BÜYÜKŞEHİR BELEDİYESİ SU VE KANALİZASYON İDARESİ GENEL MÜDÜRLÜĞÜ
(MUSKİ)

**Kişisel Bilgiler**

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<td>Mühendis</td>
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<td>İş adresi:</td>
<td></td>
</tr>
</tbody>
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**ANKET SORULARI**

- **Cinsiyeti:** Erkek
- **Eğitim Düzeyi:** Ortrove Rüşvet
- **Yaş:** 23
- **Uyruğu:** Türk
- **Telefon:** 0538 676 3469
- **Elektronik Posta:**

**SORULAR**

1. Proje ile olan ilginiz?

a) Bölgede ikamet ediyorum  
b) Bölgedeyi tanıyorum  
c) Diğer (..........................................................)

2. Proje hakkında yeterli bilgiye sahip misiniz?

a) Evet  
b) Hayır

3. Projenin gerekli olduğunu düşünüyor musunuz?

a) Evet  
b) Hayır  
c) Bilmiyorum

4. Proje ile ilgili görüşleriniz nelerdir?

a) Destekliyorum  
b) Karasızım  
c) Bilgim yok  
d) Desteklemiyorum
5. Projenin çevresi ve insan sağlığı üzerinde ne tür etkilerde bulunacağını düşünürsünüz?
   a) Faydalı 
   b) Zararlı 
   c) Etkisiz 
   d) Bilmıyorum

6. Çevrenin ve denizin korunması hususunda projenin nasıl bir katkısı olacağını düşünürsünüz?
   a) Olumlu 
   b) Olumsuz 
   c) Etkisiz 
   d) Bilgim yok

7. Planlanan proje hakkında daha önce bir bilgiye sahip miydiniz?
   a) Evet detaylı bilgiye sahibim 
   b) Kışmen 
   c) Hayır 
   d) Bilgim Yok

8. Proje ile ilgili olumsuz etkileneceginizi düşünüdüğünüz ve değerlendirilmesini talep ettiğiniz yapılan açıklamalar dışında bir konu varsa lütfen belirtiniz.
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MUĞLA BÜYÜKŞEHİR BELEDİYESİ SU VE KANALIZASYON İDARESİ GENEL MÜDÜRLÜĞÜ (MUSKİ)

ANKET SORULARI

Kişisel Bilgiler
Adı-Soyadı: Sam Can
Cinsiyet: Erkek
Mesleği: İş adresi:
Uyruğu: Türk
Eğitim Düzeyi: Mezun
Yaş: 26
Telefon: 050299150066
Elektronik Posta:

SORULAR

1. Proje ile olan ilginiz?
   a) Bölgede ikamet ediyorum
   b) Bölgesi tanımıyorum
   c) Diğer (..........................)

2. Proje hakkında yeterli bilgiye sahip misiniz?
   a) Evet
   b) Hayır

3. Projenin gerekli olduğunu düşünüyor musunuz?
   a) Evet
   b) Hayır
   c) Bilmiyorum

4. Proje ile ilgili görüşleriniz nelerdir?
   a) Destekliyorum
   b) Karasızım
   c) Bilgim yok
   d) Desteklemiyorum

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5. Projenin çevre ve insan sağlığı üzerinde ne tür etkilerde bulunacağını düşünüyorsunuz?
   
   a) Faydali  
   b) Zararlı  
   c) Etkisiz  
   d) Bilmiyorum

6. Çevrenin ve denizin korunması hususunda projenin nasıl bir katkısı olacağını düşünüyorsunuz?
   
   a) Olumu  
   b) Olumsuz  
   c) Etkisiz  
   d) Bilgim yok

7. Planlanan proje hakkında daha önce bir bilgiye sahip midiniz?
   
   a) Evet detaylı bilgiye sahibim  
   b) Kışmen  
   c) Hayır  
   d) Bilgim Yok

8. Proje ile ilgili olumsuz etkilenegrinizi düşünüdüğünüz ve değerlendirilmesini talep edeceğiniz yapılan açıklamalar dışında bir konu varsa lütfen belirtiniz.

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________________________________________________________________________________________
Sürdürelibilir Şehirler

Projeleri

MUĞLA BÜYÜKŞEHİR BELEDİYESİ SU VE KANALİZASYON İDARESİ GENEL MÜDÜRLÜĞÜ
(MUSKİ)

Kısisel Bilgiler
Adı-Soyadı: GÖLLÜ
Mesleği: İş adresi:

ANKET SORULARI
Cinsiyeti: Erkek
Eğitim Düzeyi: Lisans
Yaş: 25
Uyruğu: Türk
Telefon: 0507 410 55 12
Elektronik Posta:

SORULAR
1. Proje ile olan ilginiz?
   a) Bölgede ikamet ediyorum
   b) Bölgeden tanınıyorum
   c) Diğer (.................................................................)

2. Proje hakkında yeterli bilgiye sahip misiniz?
   a) Evet
   b) Hayır

3. Projenin gerektiğini düşünüyor musunuz?
   a) Evet
   b) Hayır
   c) Bilmiyorum

4. Proje ile ilgili görüşlerinize nelerdir?
   a) Destekliyorum
   b) Kararsızım
   c) Bilgin yok
   d) Desteklemiyorum
5. Projenin çevreme ve insan sağlığı üzerinde ne tür etkilerde bulunacağını düşünürsünüz?
   a) Faydalı  
   b) Zararlı  
   c) Etkisiz  
   d) Bilmiyorum

6. Çevrenin ve denizin korunması hususunda projenin nasıl bir katkı olacağıni düşünüyorsunuz?
   a) Olumlu  
   b) Olumsuz  
   c) Etkisiz  
   d) Bilgim yok

7. Planlanan proje hakkında daha önce bir bilgiye sahip miydiniz?
   a) Evet detailli bilgiye sahibim  
   b) Kisman  
   c) Hayır  
   d) Bilgim Yok

8. Proje ile ilgili olumsuz etkileneceğinizin düşünüğünüz ve değerlendirmesini talep edeceğiniz yapılan açıklamalar dışında bir konu varsa lütfen belirtiniz.

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