**Proposal – Project Title:**

**CONSTRUCTION OF PIPE LINES AND FOUNTAINS TO PROVIDE CLEAN AND HEALTHY DRINKING WATER FROM WATER SPRINGS TO THE TOWN CENTER OF FEKE COUNTY**

**Section A – Host and International Sponsor Information**

|  |  |
| --- | --- |
| Host Sponsor : Adana Rotary Club | International Sponsor: |
| Primary Contact: Baslamisli, Rifki (8096582)  District: 2430  Club: Adana Rotary | Primary Contact:  District:  Club: |

**Section B – Community Needs**

*(1) Describe the benefiting community including its location using any relevant geographic and demographic information.*

Feke is a small county of Adana province, 122 km north of the city of Adana. Feke is located at the southern skirts of the Taurus Mountains at an average altitude of 600 meters above sea level. Feke is surrounded with a mountainous terrain, covered with forests with many hills and deep valleys formed by Seyhan River.

The population of the entire Feke county is 18.996 (as per 2010 counts). Almost all of the local inhabitants have been living in the area for generations, as lack of major industrial and business activity prevents immigration to Feke. Surrounded by pine forests, economic activity of the inhabitants is mainly based on forestry. This inevitably leads to settlement of locals in many small villages around the Feke county center. This is particularly evident in the distribution of the county population between the town center and surrounding villages. Accordingly, 14.393 people out of the total county population of 18.996 are settled in villages, whereas only 4.603 people are settled in the county center of Feke. Such unbalanced distribution of population diminishes the income and economic capabilities of the local municipality. As such, the local municipality struggles with lack of funds to provide public utility services, including some of the most primitive ones like continuous provision of clean water. Another downside of this population distribution is that, although the majority of the local population is residing out of the town center, many people come to town center for daily needs, e.g. to government offices, schools, hospital etc. Therefore, the local municipality has to provide public service for more people than the number of residents of the town itself, despite the fact that it only generates income from the residents.

*(2) What community needs have been identified?*

The main community need in the county center of Feke is a continuous source of clean drinking water. Although the county center has its own drinking water pipe lines, this system is not supported with a rich and dependable clean water source to constantly provide clean water at a certain volume and pressure. Lack of volume and low flow of present clean water supplies cause the polluted sewage water to mix with and to contaminate the drinking water. There are several analysis reports which were issued by official laboratories, which state that the current drinking water within Feke town center is polluted and not drinkable. Although the county center is surrounded with rich clean water sources, lack of funds prevents the local municipality to lay a pipe line between the town center and nearby water sources to support the town’s clean water system with a continuous flow of clean water.

***(****3) How are these needs currently being addressed with local resources and/or government agencies, NGO’s etc?*

As mentioned above in paragraph (1) Feke is a very small county which is rather distant from the provincial center of Adana province. Therefore, unfortunately, it does not attract much attention from the governorship of Adana. The income and financial sources of local municipality is very limited due to small population living in the county center (which causes low amount of property tax income etc. for the local municipality and small amount of financial support from the central government due to small population living within the county center). The budget of the municipality is only sufficient to cover the daily activities and it is not possible to allocate funds for new construction projects. Lack of strong local businesses, a business community and local NGO’s makes it impossible to raise funds within the county. Therefore, we will only have support from the Rotary Clubs in Adana (Seyhan, Cukurova, Tepebag, Guney and 5 Ocak Rotary Clubs).

**Section C – Activity Description**

*(1) Summarize the proposed activities*

The aim of our project is to provide enough funds and means to construct:

a. A Pipe line between (1,8 km) nearby clean water source and town’s drinking

water system,

b. Fountains in certain busy locations in the town center to provide direct access for locals to clean drinking water.

Feke municipality prepared a construction project to bring clean water from the nearest clean water source (named Cigirli Spring) which is located approximately 1,8 km northwest to the town center. The flow of water from this particular source 9,00 litres/second and the altitude of the source is 564 meters above sea level. The current flow of water from this particular source, coupled with the altitude of the source itself, is calculated to be sufficient to provide necessary flow, volume and pressure for the main part of the town’s clean water pipe line system.

A major part of the town’s drinking water pipe line system will be separated and this separated part will be provided by clean water from the new source. This seperated pipeline section is designated by taking into consideration the busiest part of the town center. This specific part is located in the middle of the town’s main buildings, offices, schools and hospital.

As mentioned above in prg. (1), although a smaller portion of the population of the Feke County reside in the town center almost all of the county’s inhabitants are visiting the town center for daily needs. Furthermore there are two major district schools (a high school with 350 students, and a boarding primary school with 700 students coming from surrounding villages) and almost all of the banks, government offices, Court House, Post Office, Hospital, Police Station, Stadium and other sports facilities, Chamber of Commerce, Chamber of Agriculture, Social Security Office, Parks and recreation areas are located in the county center of Feke. Our project is designed to provide clean water to these key buildings and facilities to allow as many people as possible to have access to clean water. Given that the entire county community is benefiting from these offices and facilities, provision of clean drinking water to town center will affect the entire county.

We must also mention that, based on the success of this project, we are also considering to renew the entire drinking water sources of Feke County Center in the future, as continuation of this project.

The project also includes construction of two public fountains which receive clean water directly from the nearby spring and which will be located in the busiest parts of the town center to provide direct access to clean water for the locals and for those who visit the town center on a daily basis.

*(3). Describe how the benefiting communities will be involved in the activity*

Local Municipality will provide available construction equipment and some workers. The technical project is prepared by the Local Municipality.

(*4). Has the benefiting community confirmed that they would like this activity to take place?*

Yes

*(5) Proposed Start Date:*

February 2012

*(6) Proposed Completion Date:*

May 2012

**Section D – Area of Focus**

*(1) With which areas of focus is the proposed activity is aligned?*

Peace and Conflict prevention/resolution – No

Disease Prevention and Treatment – Yes

Water and Sanitation – Yes

Maternal and child health – No

Basic Education and Literacy – No

Economic and Community Development – No

*(2) Describe how the activity will address the goal(s) of the Area of Focus*

This project will provide access for thousands of people to clean drinking water. Having considered that access to clean water is one of the most primitive needs for any community, this project will prevent diseases and will provide a healthier living environment to the local community.

**Section E – Project Outcome**

*(1) What are the immediate and long term outcomes of this activity?*

A remarkable amount of residents in Feke County Center will have access to clean water, which will provide a healthier environment for the locals.

*(2) Explain how all involved parties will act to ensure the sustainability of the activities and/or outcomes*

The new pipeline system which will be constructed under this project eill be fully integrated to the town’s pipeline system, thus, will be under supervision and maintenance responsibility of the local municipality.

**Section F – Budget**

***(1) Currency / Exchange Rate***

Name of Local Currency : Turkish Liras (TRY)

Current Exchange Rate : 1,8140

Date Exchange Rate Entered : 15.06.20

***(2) Budget details***

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Description** | **Quantity** | **Unit** | **Unit Cost** | **Amount** |
| Ditching (0-2 mt) | 1326,08 | m3 | 11,99 | 15,897.43 |
| Laying sand and grit | 425,95 | m3 | 8,79 | 3,744.06 |
| Ditching and Foundation Filling | 873,77 | m3 | 8,32 | 7,265.42 |
| 140 mm HDPE Pipes and welding | 286 | pieces | 31,59 | 9,034.74 |
| Cutting & Cropping of 140 mm HDPE Pipes | 286 | pieces | 4,89 | 1,398.54 |
| Laying 140 mm HDPE Pipes | 1713.28 | meters | 2,15 | 3,683.55 |
| 140 mm HDPE PN 10 Pipes | 1713,28 | meters | 12,38 | 21,210.41 |
| **CONSTRUCTION COST** | | | | **62,234.15** |
| **TRANSPORTATION** | | | | |
| Sand & Grit | 425,95 | m3 | 16,78 | 7,148.19 |
| HDPE Pipes  (to the construction site) | 9,15 | tons |  | 1,198.99 |
| HDPE Pipes (within the construction site) | 9,15 | tons |  | 274,01 |
| Digging removal | 425,31 | m3 |  | 3,444.81 |
| **TRANSPORTATION TOTAL** | | | | **12,066.01** |
| **GRAND TOTAL** | | | | **74,300.16** |

**Section G – Financing**

(1) DDF Amount in USD : 8,000.00

(2) Rotarian Cash Amount in USD : 19,375.00

(3) Additional outside funding in USD :

Maximum Rotary Foundation : 16,000.00

(4) Requested Rotary Foundation (TRF)

Match in USD : 16,000.00

(5) Computed Total Financing in USD

(Cash+DDF+Match) : 43,375.00