

Bosnia and Herzegovina  
Federation of Bosnia and Herzegovina  
**Tuzla Canton**  
**Ministry of Agriculture, Forestry  
and Water Resources**  
**- Water Authority -**

## **PROJECT INFORMATION**

# **POTABLE WATER TREATMENT PLANT ON WATER SOURCE “KRUŠIK”, KALESIJA MUNICIPALITY**

**Tuzla, December 2004.**

## PROJECT INFORMATION

### POTABLE WATER TREATMENT PLANT ON WATER SOURCE "KRUŠIK", KALESIJA MUNICIPALITY

#### INTRODUCTION

The Government of Tuzla Canton has received credit funds from the World Bank for completion and implementation of Regional development plan for Tuzla Canton.

Within the implementation framework of Regional development plan for Tuzla Canton, it has been envisaged to finance the construction of Potable water treatment plant on water source "Krušik", Kalesija municipality.

Town of Kalesija and surrounding settlements have been suffering from lack of drinking water for many years. Before the war Kalesija with the suburbs was supplied with the water from water source Studenac located approximately 11 km from the settlement with the capacity of  $q=4-14$  l/sec.

During the war operations, water source Studenac was put out of service, as well as some other local water sources. As a result, Kalesija town was left with only few local wells to deal with, which capacities could not even nearly match the required demands.

Such emergency situation in water supply of subject area has provoked the initialising of activities to make an overview of possibilities for supply of required potable water quantities to town of Kalesija.

In 1997 Main Design for water supply system was completed for Kalesija settlement, including envisaged use of groundwater from Krušik located in Sprečko valley as a water source. System has been designed to meet perspective needs for water in 2020.

#### 1. GENERAL DATA

For selection of the most suitable bidder for construction of Potable water treatment plant on water source Krušik - Kalesija municipality, it has been envisaged to use International Competitive Bidding procedure including prequalification phase.

Public invitation for prequalification (Expression of Interest) has been published in:

- "Official Gazette FBiH", of 25. 12. 2004
- Local daily newspaper "Avaz" and "Oslobođenje" of 25. 12. 2004, which is also distributed outside BiH
- Tuzla Canton Government web page: [www.vladatk.kim.ba](http://www.vladatk.kim.ba)

The government of Tuzla Canton now invites the interested corporations to submit their request for participation in tendering of eligible and qualified bidders to execute the works on Potable water treatment plant on water source "Krušik", Kalesija municipality.

Construction of Potable water treatment plant on water source "Krušik", Kalesija municipality is envisaged on a Turnkey basis.

Right to participate in tender have all corporations licensed for activities for which this tender has been announced and advertised, what they have to prove by submitting their registration form.

## **2. TECHNICAL DATA**

### **2.1. Current state**

During 1999, the first phase of Main design for Kalesija settlement water supply was implemented from Norwegian donated funds, within which the following works took place:

- Drilling of three water wells, with depth of 16 – 35 m, and total capacity of approx. 35 l/sec, on "Krušik" location,
- Repressing pipeline: water well – pump station "Krušik",
- Pump station "Krušik", with capacity of 28.5 l/sec
- Repressing pipeline: Pump station "Krušik" – reservoir "Međaš",
- Reservoir "Međaš",
- Gravity pipeline: Reservoir "Međaš" – existing reservoir "Kalesija".

Water quality assessment on water source "Krušik" has shown that the water does not meet the conditions specified in Potable Water Hygienic Safety Act, so it is necessary to ensure its treatment even it is currently being sent to town water supply system after disinfection with chlorine only.

The first construction phase has technically envisaged the possibility to connect Potable water treatment plant to the system, as well as the space for its construction.

### **2.2. Potable water treatment plant**

#### **2.2.1. Capacity**

In Initial design for Potable water treatment plant on water source "Krušik" – Kalesija municipality, produced by "ES Hydrotechnics", Sarajevo 2003, the plant was designed to produce **30 l/sec** of potable water.

#### **2.2.2. Quality of the raw water**

"Critical" indicators of raw water quality in relation to the quality required in Potable Water Hygienic Safety Act ("Official gazette SFRJ", no. 33/87), are:

- Mn,
- Fe,
- Ammonia (N),
- Nitrites (N),
- Electric conductivity, and
- Bacteriological pollution.

### 2.2.3. Technological process

Based on Initial Design of Treatment Plant as well as on additional investigation measures, the following scheme for potable water treatment has been proposed:

- aeration,
- retention with dynamic water clarification,
- filtering (sand filters), and
- water disinfection using chlorine-dioxide.

In the tender, bidder will be given the opportunity to propose:

- its own technical/technological solution for potable water treatment,
- change in system of technological units and/or addition of new technological units,
- other technological process for potable water treatment, which would provide the guaranteed quality of outgoing water in compliance with Potable Water Hygienic Safety Act ("Official Gazette SFRJ", no. 33/87).

### 3. PREPARATION OF REQUEST FOR PARTICIPATION IN TENDER

3.1. It is necessary that you carefully read all data and instructions given in the documents of this bidding elaborate. Lack of required information in the proposal is your own risk and may lead to refusal of your request to participate in tender.

#### 3.2. Preparation of request for participation in tender for non B&H residents:

- FIDIC – Standard form for prequalification for works.
- Written statements – certified and signed references from beneficiaries operating the plant which bidder has constructed, stating the rate of project success.

#### 3.3. Preparation of request for participation in tender for B&H residents:

When preparing the request, following must be taken into consideration:

3.3.1. If you consider that your company is not qualified for all specified assignments, you can hire other companies and entities. There is no limit to joint approach.

3.3.2. Attach to you proposal the Contract or any other relevant document, which proves joint participation on a partner basis during the project implementation, and which nominates the project leader and responsibilities for specific assignments.

3.3.3. Bidders who submit proposal together are obliged to prove mutual ability to implement submitted proposal and individual qualities for particular parts of the project, in accordance with the article 24 paragraph 5 of Decree on Procurement of goods and works and selection of consultants ("Official Gazette FBiH", no 34/04) (The Decree).

**Project leader can not change subcontractors/partners in joint proposal without prior written approval of Investor.**

In the case of provision of incorrect, false information and data, the Committee will not take the bidding documents into consideration, in other words it will exclude bidder from tender procedure.

- 3.4. Your request to participate in tender has to include the information contained within, but not limited to, the following documents:
  - 3.4.1. Certified excerpt for the Court Registry with attachments showing that company is licensed to undertake requested activities.
  - 3.4.2. Statement of the bidder that there are no obstacles to prevent its participation in tender as required by Article 35 paragraph 1 points 1, 6 and 7 of the Decree.
  - 3.4.3. Proof of payment of all duties on public revenues – Article 35 paragraph 1 point 3 of the Decree.
  - 3.4.4. Proof from authorised Court stating that the bidder meets requirements specified in Article 35 paragraph 1 point 2, 4 and 5 of the Decree.
  - 3.4.5. List of equipment owned, which is necessary for implementation of tender assignment.
  - 3.4.6. Short description of bidder organization and pervious experiences relating to required assignment – construction of Potable water treatment plants, with the emphasis on assignments carried out in last five years. Information you have to provide relating previous assignments shall contain names of experts employed on those assignments, time period (years), value of undertaken works and the name of Investor for which the assignment was completed.
  - 3.4.7. List of key staff proposed for the implementation of assignment.
  - 3.4.8. Financial status of the company – copies of last three annual reports and other financial data that you consider relevant.
  - 3.4.9. Written statements – certified and signed references from beneficiaries operating the plant which bidder has constructed, stating the rate of project success.

**Note:** For documents required under 3.3.2, 3.3.3, 3.3.4, it is necessary to submit the originals issued within last month from the date of bid opening or certified copies of the originals. For the document required under 3.3.8, submit the certified copy.

#### **4. SUBMISSION OF BIDS**

Bid has to be submitted in one copy (original), in a sealed envelope.

Sealed envelope should be clearly marked:

**DO NOT OPEN, EXCEPT IN THE PRESENCE OF EVALUATION COMMITTEE**

**Request for participation in tender**

**POTABLE WATER TREATMENT PLANT ON WATER SOURCE "KRUŠIK",  
KALESIJA MUNICIPALITY**

Complete request for participation in tender has to be submitted before the deadline specified in advertisement – 25. 01. 2005 at 12:00 o'clock.

## 5. EVALUATION OF BIDDERS

- 5.1. Opening of submitted requests to participate in tender will take place on 25. 01. 2005 at 13:00 o'clock.
- 5.2. Applicant of tender participation request shall submit all the required attachments. If there is a single document missing, the applicant will be eliminated from the prequalification and tender procedure.
- 5.3. Bids will be evaluated using following criteria and scoring system:
- |   |                  |
|---|------------------|
| - References list with similar projects                       | 30 points        |
| - Qualifications and competence of key staff                  | 30 points        |
| - Financial status  | 20 points        |
| - Equipment   | 10 points        |
| - <u>References on implemented projects from past Clients</u> | <u>10 points</u> |
| TOTAL:  | 100 points       |
- 5.4. For foreign bidders – the advantage will be given to those applicants who submit statement involvement of local partners in construction works (preparatory, civil engineering, installation...).

## 6. CONTACT INFORMATION

For all additional information regarding the project of Potable Water Treatment Plant on water source "Krušik" - Kalesija municipality, use the following contacts:

Federation of Bosnia and Herzegovina Tuzla Canton <b>Ministry of agriculture, forestry and water resources</b> <b>Aleja bosanskih vladara 2</b> <b>75000 Tuzla, Bosnia and Herzegovina</b> <b>Tel/Fax: (035) 252-674</b> <b>e-mail: <a href="mailto:dirvoda@inet.ba">dirvoda@inet.ba</a></b>	Federation of Bosnia and Herzegovina Tuzla Canton <b>Ministry of physical planning and environmental protection</b> <b>Aleja bosanskih vladara 2</b> <b>75000 Tuzla, Bosnia and Herzegovina</b> <b>Tel/Fax: (035) 251-292, 251-293</b> <b>e-mail: <a href="mailto:zzahid@tk.kim.ba">zzahid@tk.kim.ba</a></b>
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Contact persons:

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