



## PROJECT FACT SHEET VRBAS/KULA

### VELIKI BAČKI KANAL - WASTE WATER TREATMENT AND SEWAGE COLLECTION PROJECT VRBAS/KULA

The pollution of the Veliki Bački kanal, which drains into the Tisa river and ultimately the Danube river, is considered as one of the major environmental problems in Serbia.

The municipality of Vrbas is active in investing in their sewerage system to mitigate the negative effects of the pollution of the Veliki Bački kanal. The pollution is considerable due to discharge of untreated industrial and then from communal waste water. The overall objective is to protect and improve the water quality of the Veliki Bački kanal and to improve sanitary and health conditions in the municipalities of Vrbas and Kula.

#### PROJECT OBJECTIVES

- To provide waste water treatment and disposal for 120.000 residents in Vrbas and Kula municipalities;
- To collect, transfer, treat and dispose pre-treated industrial effluents for identified major industries in Vrbas, currently discharging into and polluting the Veliki Bački kanal;
- To extend the sewage collection system to 20.000 residents, institutions and small industries and businesses living in the villages of the Vrbas municipality;
- To significantly improve the quality of life with many indirect impacts, improved sanitation and reduced risks to public health;
- To radically improve the water quality in a heavily eutrophicated Danube tributary – Veliki Bački kanal;
- To provide compliance with short-term policy objectives in accordance with the National Environmental Strategy (NES);
- To ensure implementation of a priority project in accordance with the National Environmental Action Plan (NEAP);
- To ensure implementation of a priority project in accordance with the EU Danube Strategy (desludging and VBK rehabilitation);
- To make a major step towards complying with the EU Urban Waste Water Treatment Directive;
- To provide relief in serious economic restraint on the development of industry, due to water pollution.



**TOTAL BUDGET: € 23.600.000**

EU Contribution (IPA 2008): app. € 15.100.000

Other Grants (NL): € 1.200.000

Ministry for National Investment Plan: € 4.000.000

ECO Fund: € 1.900.000

Municipalities: € 1.400.000

Vojvodina Capital Investment Fund: RSD 350.000.000

#### PROJECT DESCRIPTION

Main Physical Project Components with brief Quantitative Indicators:

##### 1. Construction of the Central Waste Water Treatment Plant (CWWTP) in Vrbas

- Phase I Waste Water Treatment Facility for loading of 120.000 population equivalent
- Phase II (not included in current investment project) potential extension of the Waste Water Treatment capacity by 60.000 PE (to total capacity of 180.000) – subject to demand.

The CWWTP would treat sewage discharges from Vrbas and Kula towns, villages of Vrbas municipality and pre-treated industrial wastewater for identified industries.

##### 2. Extension of the sanitary sewerage collection system

Additional sanitary sewerage system shall be constructed in: Kucura, Zmajevo, Bačko Dobro Polje, Ravno Selo and Savino Selo, and would include the following: 83,2 km of collection network, 30 km of transmission main and 22 small pumping stations.

July 2011

A Project implemented by:



**Municipal Infrastructure Support Programme**  
Koste Glaviniča 2/3, 11000 Belgrade, Serbia  
Tel: +381 11 36 90 987  
Fax: +381 11 26 50 385  
office@misp-serbia.rs  
www.misp-serbia.rs

**Delegation of the European Union to the Republic of Serbia**  
Avenija 19a, Vladimira Popovića 40/V, 11070 New Belgrade, Serbia  
Tel: +381 11 308 32 00  
Fax: +381 11 308 32 01  
delegation-serbia@ec.europa.eu  
www.europa.rs



The extension of the sanitary sewerage collection system will significantly improve the coverage in waste water collection, and will substitute current practice relying on individual septic tanks that represent potential source of pollution of ground and surface waters, and serious health hazard. Through the project the urban area of Vrbas and the 5 villages are to be fully covered, including a connection to the CWWTP.

### 3. Main sewers connecting Kula and Crvenka to CWWTP Vrbas

Also, it is planned to connect the sanitary sewerage system of Kula and Crvenka to the CWWTP by constructing the main sewer line between Kula and Vrbas, and corresponding sewage pumping stations. Sections I to IV of the main sewerage line between Kula and Vrbas have already been completed, whereas section V (some 2,6 km long) is yet to be constructed during 2011.

**Embedding in documented development strategies:** National Strategy X; Regional Strategy X; EU Danube Region Strategy X;

## SLAP PROJECT SCORING

Level 2 scoring : 37 (out of 40)

Level 3 scoring : 75 (out of 100)

## PROJECT STATUS (JULY 2011)

Activities	Feasibility Study	Preliminary design	Detail Design	Engagement letter	Works Tender	Implementation
	November 2007	October 2009	n/a	December 2010	June 2010	April 2011 - April 2014 <sup>(1)</sup>

### Project Maturity - Available Documentation

Concept Note X; Study X; Master Plan X; Pre feasibility Study X; Preliminary Design X; Feasibility Study X; Detail Design 0; Tender Documentation X

### Notes:

<sup>(1)</sup> Estimates