

**27 Annex - Environment**

**206. IMPLEMENTATION OF THE MASTER PLAN FOR  
COLLECTION AND TREATMENT OF WASTEWATER OF THE  
MONTENEGRIN LITTORAL AND THE MUNICIPALITY OF  
CETINJE**

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**Appendix to Question No 50**

**1. Implementation of the Master Plan for Collection and Treatment of Wastewater of the Montenegrin Littoral and the Municipality of Cetinje**

The concerned Master Plan covers 6 municipalities of the coastal region and the municipality of Cetinje. There are 3 small devices for wastewater treatment in the region, as follows: in the municipality of Budva, in Jaz, as well as the two small devices for wastewater treatment on the Skadar Lake. In most municipalities of the coastal region, the recipient/receiving water of wastewater is the sea.

The implementation of the concerned document is planned in stages/phases:

stage I 2004-2008	EUR 27 700 000
stage II 2009-2018	EUR 82 400 000
stage III 2019-2028	EUR 170 700 000

**Total: EUR 280 800 000**

Within the framework of the first stage, it is planned to rehabilitate the pumping stations and the existing outfalls, to disconnect the short outfalls and build the new ones, to construct the new collectors and pumping stations, to extend the sewerage network and reconstruct the existing network, while in the second and the third stage, apart from the works on the network, it is also planned to construct the device for wastewater treatment.

municipality	planned activities	performed activities		Contracted activities		
	stage I of the Master plan (€ m)	Year 2008 inclusive (€ m)		Project title provided funds € m		Non provided funds € m
Herceg Novi	7,3	- rehabilitation of PSS- collectors	0,25 1,0	-WWTP -Network segments	13,3	8,971
Tivat	6,0	stage I of the sewerage system	6,0	I stage of the sewerage system	5,438	/
Kotor	2,6	- rehabilitation of PSSs and outlet -sewerage system	0,66 1,5	system rehabilitation and a part of a new one	4,4	3,656
Budva	3,5	Rehabilitation of PSSs wwtp Outlet PSSs	1,5 0,3 0,6 0,3	Contract with the company WTE		
Bar	3,1	Rehabilitation of PS Equipment Sec. Network documentation	0,27 0,25 0,10 0,25	WWTP network segments	12,2	10,235
Cetinje	0,6	Collectors documentation	0,6 0,057	Construction of WWTP	0,93	5,00

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Ulcinj	4,0	Rehabilitation documentation	0,29 0,066			23,00
<b>total</b>	<b>27,1</b>		<b>13,9</b>		<b>26,268 + 6,00 for project documentation</b>	<b>50,85</b>

**2. Strategic Master Plan for Sewerage and Wastewater in Central and Northern Region of Montenegro**

Strategic Master Plan for Sewerage and Wastewater in the Central and Northern Region of Montenegro covers fourteen municipalities of the northern and central region where the two major towns are located: Podgorica, the capital, and Niksic, the leading industrial centre of Montenegro.

Regarding the preference level of the realization of the projects scheduled by the Master Plan, the municipalities of the central and northern region are classified in three groups:

- High priority – Niksic, Rozaje, Podgorica and Pljevlja
- Medium priority – Kolasin, Mojkovac, Bijelo Polje, Berane, Zabljak and Danilovgrad
- Lower priority – Pluzine, Andrijevisa, Plav and Savnik

The implementation of the concerned document is planned in stages:

stage I (2004 – 2009) – the reconstruction of the existing network, the construction of wastewater treatment plants

Needed funds: EUR 81.3 million

stages II and III (2010 – 2019, that is, 2029) – the construction of the complete sewerage network and the extension of the wastewater treatment plant with the adequate number of modules.

Needed funds: EUR 197.5 million

Total needed funds: EUR 278.7 million

For the realization of stage I of the high priority group (Niksic, Rozaje, Podgorica and Pljevlja) it is necessary to provide 54.1 million euro, which makes two thirds of the aggregate needs for all fourteen municipalities (81.3 million euro).

During the former period, the following activities were accomplished in the municipalities of the central and northern region,:

- In the municipality of Niksic, the activities on the construction of the wastewater treatment plant are underway and the Feasibility Study and the Study on environmental impact assessment for the plant and individual segments of the sewerage network have been drafted until now. The location of the plant is defined and it is the property of the Municipality. The project is being implemented in cooperation with the EIB, which provided the loan in the amount of 5 million euro (the first instalment of the loan), and considering that all preparatory activities have been finished, the EIB is expected to launch/announce/open the tender/bidding for the execution of works, at the earliest. Within the instrument IPA 2008, 3.5 million euro has been ensured. The total value of the project is 12.4 million euro. This project shall also be supported by the Government of Montenegro with the resources from the budget of Montenegro for 2009.
- In the municipality of Rozaje, in the course of 2008, several projects concerning the reconstruction of the existing faecal and atmospheric sewerage have been realized, subject to the solutions from the Master plan. The drafting of the physical planning documentation which shall specify the location for the wastewater treatment plant is underway.
- In the municipality of Podgorica, the revitalization of the wastewater treatment plant in the amount of 1.65 million euro has been carried out. The Town/City planning documentation

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specifies the location for the construction of the new plant, in the proximity of the Aluminium Plant, on the city land. Within the Infrastructure Programme Aid for 2008, the funds have been granted to draw up the Feasibility Study and the Study on Environmental Impact Assessment for the new wastewater treatment plant and the improvement of the condition of the water supply infrastructure in Podgorica. In 2008, several projects on the reconstruction and additional building of the faecal and atmospheric sewerage have been realized: the works shall be continued in 2009.

- For the municipality of Pljevlja, the Feasibility Study and the Study on environmental impact assessment for the wastewater treatment plant and individual segments of the sewerage network have been drafted. The funds for the drafting of the studies were provided from the Danube Protection Fund. The funds for drawing up the main design shall be ensured from the budget of Montenegro for 2009. In the course of 2008, several projects concerning the reconstruction of the existing faecal and atmospheric sewerage have been realized. The realization of the project of construction of the main town collector is ongoing. The project documentation on the level of the main design has also been drafted. The project value is 2.6 million euro. The municipality of Pljevlja has contracted the execution of the first stage of construction in the amount of 657 thousand euro. Also, the works have been contracted concerning the construction of faecal and atmospheric sewerage, water supply network and roads. The project value is 2.2 million euro. The activities shall be continued also during 2009.
- In the course of 2008, in the municipality of Kolasin, the activities on the regular maintenance of the sewerage network were realized.
- The most significant project in the municipality of Mojkovac realized in the course of 2008 was the project of rehabilitation and re-cultivation of the mullock of Lead and Zinc Mine in Mojkovac, in the amount of 1.5 million euro; and the wastewater treatment plant and the faecal sewage collector were constructed within the framework of that project. In October 2008, the realization of stage II referring to the sludge/mud solidification commenced, and the funds in the amount of 2.5 million euro were provided from the budget of Montenegro for 2009.
- For the municipality of Bijelo Polje, the Feasibility Study and the Study on environmental impact assessment for the wastewater treatment plant and individual segments of the sewerage network have been drafted. The funds for the drafting of the studies were provided from the Danube Protection Fund. The planning documentation specifies the location of the wastewater treatment plant. The funds for the drafting of the main design shall be provided from the budget of Montenegro for 2009.
- In the area of the municipality of Berane, during 2008, several projects concerning the reconstruction of the existing faecal and atmospheric sewerage have been realized and the extension of the sewerage network has been performed in the length exceeding 8 kilometres. The activities are underway concerning the preparation of project documentation for the construction of the two town collectors.
- In the municipality of Zabljak, in the course of 2008, several projects were realized on the reconstruction of the existing and the construction of the new sewerage network. Besides, a part of project documentation for the construction of the planned segments of the sewerage network was prepared.
- In the municipality of Danilovgrad, the activities are underway concerning the drafting of the project documentation for the construction of the plant and the part of sewerage network and, in that sense, the General project for collection and treatment of wastewater of Danilovgrad has been drafted. The first realization stage of the Strategic Master Plan in the municipality of Danilovgrad, which includes the construction of the plant, the construction of pumping stations and the extension of the sewerage network, requires the funds in the amount of 2.5 million euro. The project was nominated for support by the Government of Japan.

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- The municipalities of Pluzine, Andrijevica and Savnik were classified by the Strategic Master Plan in the lower priority group, due to, above all, a small number of inhabitants. During 2008, the municipality of Savnik drafted the Preliminary design of the construction of the wastewater collector.
- In the municipality of Plav, the activities with the aim of constructing the wastewater treatment plant have started. The drafting of the Feasibility Study and the Study on environmental impact assessment for the plant and individual segments of the sewerage network is underway. The funds required to draft both documents have been provided from the budget of Montenegro for 2008. In the course of 2008, the sewerage network has been extended for the length of 2 583 metres (777 metres in Plav and 1 806 metres in Gusinje). The activities shall be continued also throughout 2009.

As the realization of these projects requires the funds/resources which cannot be provided by Montenegro alone, we need the support of international organizations and financial institutions.