SUPPORTING REPORT G

Laws, Institution and Organization

Table of Contents

Tab	le of Cor	ntents	i
List	of Table	es	ii
G	LAWS	, INSTITUTION AND ORGANIZATION	.G-1
G.1	Introdu	uction	.G-1
G.2	Laws.		.G-1
	G.2.1	Requirements of the EU-WFD and the latest Water Act	.G-1
	G.2.2	Present Situations for Legal Authorities by the latest Water Act	.G-2
	G.2.3	Legal Main Issues of the latest Water Act and the related Regulations	
	G.2.4	Improvement Proposals for the Water Act	. G-5
G.3	Institu	tion and Organization	. G-6
	G.3.1	Current Status and Issues of the Central Governments	. G-6
	G.3.2	Current Status and Issues of the EABD	. G-7
	G.3.3	Current Status and Issues of the WABD	G-11
	G.3.4	Gaps in the Existing River Basin Management Systems	G-14
	G.3.5	Proposals on the Directions for Improvement of the Organizations and Institutions	

List of Tables

Table G.3.1	Actual Authorities (Responsibilities) for Water Management in the	
	EABDG	-23
Table G.3.2	Actual Authorities (Responsibilities) for Water Management in the	
	WABDG	-27

G LAWS, INSTITUTION AND ORGANIZATION

G.1 Introduction

There are significant gaps between the expected image and results of the river basin management and the actual implementation by the existing river basin management systems. These gaps might have caused by several reasons including organizational and institutional reasons as well as insufficient understanding and cooperation from the water users and related agencies, and insufficient budget for the management activities. As the river basin management in Bulgaria has just started from 2002, the current system is still in initial stages and expected to be developed into a better management system in future.

On the other hand, it could be pointed out that there are some important legal issues in particular the Water Act, related to present basin management in Bulgaria.

This supporting report will describe the gaps as well as proposals for the directions of reform measures from the organizational and institutional as well as legal aspects.

G.2 Laws

G.2.1 Requirements of the EU-WFD and the latest Water Act

The EU-WFD provides new basin management approaches such as "river basin unit principle for water management (water can only be managed within a river basin or basin district. Setting up competent authorities to implement and enforce this approach is required.") and "integrated water management (integration is the fundamental concept on which all aspects i) environmental objectives, ii) all water resources, iii) all water uses, and iv) stakeholders and public participation of the EU-WFD)".

However, the EU-WFD does not regulate the organization and administration structure of the Member State of EU to implement the EU-WFD. It means that the EU-WFD does not set any concrete requirements as to the powers of the management bodies and their hierarchy, or demarcation to other existing administrative bodies. The only requirement is that the chosen administration structure should be efficiently functioning to operate the tasks and duties of the EU-WFD.

On the other hand, the latest Water Act, which was amended on August 2006, also introduced new basin management approaches including "river basin unit principle for water management", which is one of the new basin management approaches by the EU-WFD. Therefore, the latest Water Act may promote that a concerned basin directorate (competent authority) could implement the water management tasks more effectively within the basin district. But, at the same time, many ministries (the Council of the Ministers, MoEW, MoRDPW, MoAF, MoEE, MoH, and others) have each respective authority for main water management tasks by the latest Water.

(1) The basic principles of the EU-WFD

There are two important basic principles of the EU-WFD. The one is "integration". This means of the integration includes:

- Integration of environmental objectives (the EU-WFD integrates water quality, water quantity, and ecological conservation)
- Integration of all water resources (surface water, ground water, wetland, and coastal water on a basin)
- Integration of stakeholders (public participation, including all water users such as local peoples, private companies, and the public)

The second basic principle is "river basin unit principle", which mentioned previously. It means that one river basin directorate shall manage one river basin or some river basins. But, certain one river basin directorate shall not manage two or more river basins.

Based on the above principles, at first, Member States of the EU are free to establish as many river basin directorates as possible taking into account of appropriate size of the river basin as well as available administrative capacity.

Also, a management body for a river basin could be empowered to implement integrated all functions and achieve of requirements based on the above principles of the EU-WFD. Or if a certain water management functions by the EU-WFD are mandated to other administrative organizations (e.g. if an competent authority is shared with other organizations), the relationships and coordination between them shall be identified clearly by the Water Act.

(2) Transposition of the EU-WFD into the latest Water Act in Bulgaria

The basic principles and main requirements, which had not been transported into the previous Water Act, of the EU-WFD had been transported into the latest Water Act such as "integrated water management principle" (article 2), "characterization of the water management district", "environmental objectives", "program measures" (article 156), and "river basin management plans" (article 157).

However, the EU-WFD has not been transported fully into the latest Water Act. For example, Annex VIII (Indicative List of the Main Pollutants) of the EU-WFD has not been transported yet into the latest Water Act with identifying each substance.

G.2.2 Present Situations for Legal Authorities by the latest Water Act

According to the latest Water Act, the following table shows present main authorities, which are related to more concrete water management responsibilities and actions by each organization in Bulgaria.

Organizations (Agency)	Main Authorities
Council of Ministers	Award concessions for extraction of minerals, waters constituting
	exclusive state property
	• Permit use of waters for the purposes of national defense and natural
	security
	• Impose restrictions on the use of waters in unforeseeable or
M-EW	exceptional circumstances
MoEW	• Implement the state policy of water management
	• Endorse the River Basin Management Plans (RBMPs)
	 Issue permits for water abstraction and/or use in the cases provided under the Act
	 Control the quantity and quality of waters
	 Control the quantity and quanty of waters Control the design parameters of water development facilities and
	system.
EEA-MoEW	Implement water monitoring on a national level
	Maintain the national level geographical information system about
	the conditions of waters
RIEW-MoEW	Implement waste water monitoring
	Control sites generating waste waters
	Control emergency discharges of waste waters
Basin Directorate (BD) -	Develop the RBMPs of concerned river basin
MoEW	• Issue the permit under the Act (for water abstraction and/or use in
	the without cases that the MoEW issues)
	• Control the activities (the extraction of sand/gravel, etc.) in
	riverbeds
МоН	• Control the quality of waters intended for drinking, household uses,
	and bathing
	• Control the quality of mineral waters intended for drinking or
MoRDPW	hygienic purposes, including bottled mineral waters.
WORDI W	• Control the state of water bodies and water development systems and facilities within the competences thereof
MoAF	- ditto -
MoEE	- ditto -
MoT	Control the use of internal waters for transportation purposes
	• Control the use of the territorial sea waters and the waters of River
	Danube for transportation purposes v
MoSPDA	Control the preparation of emergency response plans under the Act
Municipality	• Control the construction, maintenance and proper operation of
	sewer networks and domestic wastewater treatment plants
	• Control the construction, maintenance and operation of water
	development systems

Responsible agencies for water management are very diverse and are depended on the management objectives or the water bodies.

G.2.3 Legal Main Issues of the latest Water Act and the related Regulations

 No clear demarcation of the authorities for water management by the latest Water Act The basic principles and main requirements of the EU-WFD had been transported into the latest Water Act. On the other hand, the Act preserves existing powers and authorities of the related governmental organizations or councils (MoRDPW, MoAF, MoEE, the Councils of the Ministers, and others) for the main water management authorities in Bulgaria. For example, the article 185 to 191 (Control of Waters, Water Bodies, Water Development System and Facilities) and the article 150 to 156 (Water Management Authority) stipulates each authority of the related organization, which is not clearly define the priorities of the management authorities.

These complicated management authorities for the main water management are the most important issues to promote more efficient and effective implementation of the water management in Bulgaria.

• The latest Water Act regulates the limited management authorities of the BD

The article 155 regulates detailed authorities for a BD, but there are many exceptions for important water management authorities within the basin district. For example, a BD could only endorse available resources of groundwater bodies except for mineral water deposits. Also, a BD could only establish the sanitary protected areas around the household and drinking water supply facilities, if the MoEW do not determine vulnerable areas for protection of water.

• The latest Water Act remains many legal process and procedures for water management especially by the MoEW

The latest Water Act remains many existing legal procedures for basin level water management by the MoEW. For example, the article 151 still regulates that the MoEW shall approve the design parameters and layouts of the water development systems/facilities, and shall consult the competent authorities on the initiation of procedures for the award of concessions for water development systems/facilities, and the others.

These many legal procedures may cause that it will be difficult to implement own basin management tasks by each BD efficiently.

Surface water bodies are owned by State, Municipalities and Land owners, but not
by the State alone and it makes more difficult for BD or MoEW to conduct water
management smoothly.

The article 11 of the Water Act regulates state ownership of waters and water bodies in Bulgaria. Also, the article 14 regulates exclusive state property for waters and water bodies, as well as water development systems/facilities. On the other hand, the article 18 to article 22 regulates the municipal ownership and the article 23 to article 26 regulates the private ownership respectively for waters and water bodies, as well as water development systems/facilities.

This means that not all surface water bodies are state owned properties, but partly municipality owned and private owned. This situation makes more difficult for each BD and the MoEW to conduct water management smoothly. For example, a concerned BD could not manage actually surface water bodies, where located on land constituting

municipal property or where located by a concession contract among the related owners including private ownerships.

• Important Regulations for Water Management may not take into account of the management realities.

There are important regulations, which provide any concrete criteria for supporting the Water Act in Bulgaria. However, some of the regulations shall be reviewed based on the management realities. For example, the article 17 and article 18 of the Official Gazette (Regulations of Activities, Organization and Members of the Basin Directorate regulates that the total number of permanent staff in all Basin Directorate is 250 employees. It seems like that the base of the number is unclear and may not taken into account of the management realties for each BD.

G.2.4 Improvement Proposals for the Water Act

The followings are recommended proposals for improvement of the latest Water Act in Bulgaria.

• The Water Act shall be more effective implementation and enforcement key tool for water management taking into account of new management measures.

The Water Act could not only incorporate the EU-WFD, but also provide for their implementation and enforcement for all water related management. The Water Act could provide more clear/simplified authorities for a permitting, monitoring, control, and enforcement (sanctions) for all water management in Bulgaria.

• The Water Act shall promote the integrated powers of each Basin Directorate for more effective implementation of basin management within the basin.

The BD has actually insufficient authorities for important water management such as planning and construction of water development systems and facilities within each basin. Also, it is mentioned previously that the BD has a limited authority for endorsing available resources of groundwater. The Water Act shall strengthen the authorities of the BD to conduct the integrated water management within a basin.

In the case of the BD have capacity constraints, the Water Act or the related regulations shall ensure that BD will able to seek expert assistance for technical issues and assign certain task.

• It is recommended that public hearing opportunities shall be provided for amending the Water Act.

It could be recommendable to provide a public hearing procedure, when the Water Act will revise, although the procedure will need additional time and administrative efforts. This opportunity will give different and necessary perspectives and ideas of the Water Act from the different stakeholders not only relevant governmental organizations, including local governmental organizations, but also direct water users or wastewater dischargers such as private companies, farmers, fishermen, etc.

This public hearing will also contribute to awareness rising of the stakeholders for the importance of more appropriate water management.

G.3 Institution and Organization

G.3.1 Current Status and Issues of the Central Governments

The followings are main current status and their issues of institution and organization of the MoEW based on the understandings and present realities for water management in Bulgaria.

 Many central governmental organizations involving the basin management in a certain basin district.

At present, many central organizations actually involved in basin management tasks in a certain basin based on the Water Act. For example, the MoEE for hydro power, the MoAF for irrigation, the MoRDPW and municipalities for domestic/industrial water supply, urban waste water and wastewater treatment. On the other hand, relevant central organization will insist on own authorities for basin management. Therefore, each BD has many institutional confirmation process/procedures with relevant central organizations. It may cause inefficient basin management by a BD.

• There is no specific implementing or supporting body for actual fulfillment of the requirements of the EU-WFD in Bulgaria.

At present, there is a coordination body, which is called as "Supreme Consulting Council on Water (*WICU*: or Inter Institutional Unit)" for integrated implementation tasks for the requirements of the EU-WFD. The *WICU* is consists of the representatives of the relevant governmental agencies for water management. However, the *WICU* may actually discuss only urgent or priority topics such as drought issues, and flood issues sometime (three or four times per year) among the relevant organizations such as MoRDPW, MoH, MoAF, MoEE, MoF, and the BDs.

• The MoEW itself may be suffering from the human resources constraints, especially for technical staff.

The MoEW is actually suffering from the lack of technical staff for water management such as GIS technicians. GIS is one of the essential tools for formulation and implementation of the RBMPs. Each BD has to reinforce themselves the technical staff such as GIS engineers and IT engineers. On the other hand, technical assistant or coordination based on the GIS skills by the MoEW is very important for preparing an integrated GIS data base, however, the human resources are insufficient, although the EEA-MoEW has a responsibility to maintain the national level GIS about the conditions of waters.

G.3.2 Current Status and Issues of the EABD

(1) Human Resources Situations of the EABD

Present number of the staffs of the EABD is shown in the following table.

Department Name	Title of the positions and each number ()	Total staff
		of the
		department
Director		1
General administration	Head of Department (1), Junior Legal Advisor (1),	8
	Senior Accountant (1), Human Resource Senior	
	Expert (1), Accountant/Treasurer Chief Specialist	
	(1), Accountant Chief Specialist (1), Technical	
	Assistant Clerk (1), Technical Assistant Secretary	
	(1)	
Planning and management	Head of Department (1), Chief Expert (1), Senior	6
	Expert (4)	
Monitoring, prognosis, and	Head of Department (1), Chief Expert (1), Senior	8
information	Expert (4), Junior Expert (2)	
Licenses and registers	Head of Department (1), Chief Expert (2), Senior	16
	Expert (12), Junior Expert-Jurist (1)	
Water and water-economic	Head of Department (1), Chief Expert (1), Senior	7
cadastre	Expert (2), Junior Expert (3)	
Control, public and press	Head of Department (1), Senior Expert (9), Junior	14
relations	Expert (4)	
	Total	60

Source: the EABD

The above total number (60) of the staff is regulated numbers based on the Article 17 of the Official Gazette (Regulations of Activities, Organization and Members of the Basin Directorate. However, recently, the budgets of the EABD are decreased approximately 10 percentage of the previous budget, therefore, present permanent staff is 54, according to the EABD. Also, there are 6 branch (regional) offices (Haskovo, Kardjzhari, Smolyan, Pazardjik, Straza Zagora, and Siven) within the EABD, but each office has only approximately one staff or so.

However, few staff has relevant important scientific or professional backgrounds such as hydrology, chemistry, biology, and GIS or IT, for basin management.

(2) Actual Basin Management Responsibilities concerning the EABD

In general, basin management needs to be considered the main water management items: (a) Water Abstraction and Use, (b) Water or Wastewater Discharge, (c) Water Disposal related to Water Management, (d) Sand and Gravel Mining within River Basin, (e) Maintenance of the River Course and the Surrounding area.

The other necessary water management items for actual or effective basin management are (f) Conservation of the Protected Area (drinking water source, ecologically important area, etc.), (g) Conservation of the River Basin Area (forest area, agriculture area, pasture area, etc.), (h) Flood control, (i) Sediment control, and (j) Control for Accidental Pollution. These items include authorities, which the Water Act or relevant regulations may not stipulate clearly. Table G.3.1 shows present actual authorities (responsibilities)

of each main function (permission, monitoring, control, and enforcement) for each above water management item in the EABD, based on the hearings from the EABD director and main staff.

The main findings from the hearing for these management realities for each above management item of the EABD are described below.

(a) Water Abstraction and Use

- Basically, the EABD has authorities (responsibilities) for permission, monitoring, control, and enforcement for water abstraction and use from surface and groundwater within the basin district, except multipurpose reservoirs, which has the authority by the WD-MoEW.
- Concerning the monitoring for water abstraction and use from the surface water, it is fully depended on the report by water users through self-monitoring.
- Basically, the EABD has also responsibilities for permission, monitoring, control, and enforcement for construction of the water abstraction/use structures/facilities (dam, reservoir, weir, headwork, water transfer channel, hydropower plant within the basin district, pumping station, others), except multi-purpose dam/reservoir.
- The EABD has authority for the construction of the inner-basin water transfer facilities within the EABD. But, concerning the construction of inter-basin water transfer facilities including water transfer tunnel, siphon, others, the Bulgarian Parliament has authority of the decision.

(b) Water or Wastewater Discharge

- Concerning the water discharge into surface water, the responsibilities for the permission is by the WD-MoEW, for the monitoring is by the EEA-MoEW, the control is by the RIEW-MoEW, and the enforcement is by the WD-MoEW and EABD within the basin district. This process is too long and complicated. For example, the EABD could not receive the water analysis data from the RIEW-MoEW directly and waiting for almost three months.
- Basically, the EABD has the responsibilities (permission, monitoring, control, enforcement) for wastewater discharge into surface water. However, concerning the domestic wastewater discharge into surface water, the EABD has a responsibility for permission only with concerned mucnicipality actually.
- Concerning the wastewater (domestic or industrial or livestock) discharge
 into sewerage networks, The Water Company has all the responsibilities.
 The RIEW-MoEW has only a power to check the water quality for the
 wastewater discharge just the outlet points from the sewerage networks. The
 EABD has no authority for the case.
- In principle, the wastewater discharge into ground water such as mining wastewater is prohibited in the EABD. However, for the special allowable

cases, the situations are same as the wastewater discharge into the surface water.

- Concerning the construction of urban/domestic or industrial/livestock farm's wastewater treatment plant (WWTP or IWWTP), the responsibility for the permission is by the WD-MoEW, for the monitoring is by the EEA-MoEW, the control is by the RIEW-MoEW.
- Concerning the construction of small or individual WWTP for household or wastewater treatment facility (leachate) for waste dumping site, the EABD has an authority for permission, in the case of the facility is close to the river.

(c) Waste Management related to Water Management

- Basically, the RIEW-MoEW has authorities for permission and control for waste (domestic, industrial, and hospital) disposal or construction of the waste disposal facilities within the basin district.
- There in no clear authorities (responsibilities) for the monitoring and enforcement for the waste disposal related to water management. There are many waste disposal problems in the basin district. For example, illegal dumping in riverside or solid waste problems are observed in the basin district (e.g. Kardjzhari dam).

(d) Sand and Gravel Mining within River Basin

- In principle, the EABD has the responsibilities for sand and gravel mining, but only from the riverbed, and there is not allowed for sand and gravel mining from the riverbanks and flood plain or nearby land. However, large-scale sand and gravel mining from the riverbanks are observed in some places within the basin district.
- Concerning the sand and gravel mining from other areas (forest area, agriculture area, etc.) within the river basin, there in no authority of the EABD, although the RIEW-MoEW may have all the responsibility.

(e) Maintenance of the River Course and the Surrounding area

 Basically, the EABD has no authority for maintenance of riverbank stabilization structures or construction of obstacle structures to flow (bridge, jetty, etc.)..

(f) Conservation of the Protected Area

- Basically, concerning conservation of drinking water (sanitary water) sources, the EABD have all the responsibilities within the basin district.
- Concerning conservation of mineral water, the WD-MoEW has the authority for more than 100 mineral water deposits, which are listed the Annex II of the Water Act as exclusive state properties in the whole Bulgaria territory.

(g) Conservation of the River Basin

- Concerning conservation of the flood plain area with in the basin district, the EABD has actually no responsibilities. The management authorities are limited within the riverbed area.
- Concerning conservation of the other land areas within the basin district, the EABD has no authority, although the management objectives are related to water issues.

(h) Flood Prevention Control

- In principle, the EABD has no authority for the flood prevention control. Ministry of State Policy for Disasters and Accidents (MSPDA) has the authority (responsibility) including the river warning system, although the MSPDA has quite new ministry in Bulgaria.
- Concerning construction of the flood prevention control structures (e.g. enlargement of river channel or dike, etc.), the EABD has no authority. For example, in the case of enlargement of a dike, Ministry of Regional Development and Public Works (MRDPW) and the other related central governmental organizations (e.g. MoAF, etc.) prepare design or construction plan.

(i) Sediment Control

- The EABD has only the authorities for sediment control within the riverbed.
- The EABD has no direct responsibilities for the construction of the sediment control structures. The municipality or the owners of the lands may have the authorities for the construction, according to the EABD.

(j) Control for Accidental Pollution

- In principle, concerning of control for accidental pollution by industry (e.g. large-scale hazardous wastewater spills to the river), by mining (e.g. large-scale heavy metal spills from the mining site), by the others, the EABD has no responsibility.
- Basically, the RIEW-MoEW, MSPDA, and Civil Defense of Bulgaria are in charge of the accidental pollution. However, there is no clear authority for the control. For example, the RIEW-MoEW is conducting wastewater quality sampling including special cases, but the RIEW-MoEW has no authority for the control for the accidental pollutions.

G.3.3 Current Status and Issues of the WABD

(1) Human Resources Situations of the WABD

Present number of the staffs of the WABD is shown in the following table.

Department Name	Title of the positions and each number ()	Total staff
	1	of the
		department
Director		1
General administration	Head of Department/Chief Accountant (1), Senior	8
	Legal Advisor (2), Senior Accountant (1),	
	Technical Assistant/Treasurer (1), Technical	
	Assistant/Secretary (1), Technical	
	Assistant/Administrator (1), Official Driver (1)	
Planning and management	Head of Department (1), Chief Expert (2), Senior	6
	Expert (4)	
Monitoring, prognosis, and	Head of Department (1), Chief Expert (2), Chief	6
information	Specialist (2), Senior Expert (1)	
Licenses and registers	Head of Department (1), Chief Expert (2), Senior	6
	Expert (2), Junior Expert (1)	
Water and water-economic	Head of Department (1), Chief Expert (1), Senior	6
cadastre	Expert (2), Junior Expert (1), Technical Assistant	
	(1)	
Control, public and press	Head of Department (1), Senior Expert of	15
relations	Connection with other Institutions and Society (1),	
	Technical Assistant (1), Head of Sector on Water	
	and Water Resources and Water Economic	
	Systems (1), Senior Inspector (2), Junior Inspector	
	(3), Head of Sector on Control over Licenses (1),	
	Senior Inspector (2), Junior Inspector (3),	
	Total	48

Source: the WABD

According to the WABD, the above number (48) is the recent total permanent staff of the WABD, and there are approximately 5 temporally staff at present. According to the WABD, many staff is educated in the field of civil engineering, economics, and IT technique, however, the actual management work experiences based on the background are insufficient.

(2) Actual Basin Management Responsibilities concerning the WABD

Table G.3.2 shows present actual authorities (responsibilities) of each main function (permission, monitoring, control, and enforcement) for the necessary water management items, which are the same items of the EABD, in the WABD, based on the hearings from the WABD director and main staff.

The main findings from the hearings of the WABD are described below. These findings includes another management realities compared with the EABD's ones.

(a) Water Abstraction and Use

 Basically, the WABD has authorities (responsibilities) for permission, monitoring, control, and enforcement for water abstraction and use from

- surface and groundwater, except multipurpose reservoirs or the lakes/ponds for fisheries, which has the authority by the WD-MoEW.
- Concerning the monitoring for water abstraction and use from the surface water, it is depended on the report by water users through self-monitoring, and the enforcement for water abstraction and use, the WABD just send the report to the State Government Agency for Impose of Sanction, in the case of any violation are found.
- Basically, the WABD has also responsibilities for permission, monitoring, control, and enforcement for construction of the water abstraction/usage structures/facilities (dam, reservoir, weir, headwork, water transfer channel, hydropower plant, pumping station, others), except multi purpose dam/reservoir.
- The WABD has authority for the construction of the inner-basin water transfer facilities within the WABD, although there is no case in the WABD so far. But, concerning the construction of inter-basin water transfer facilities including water transfer tunnel, siphon, others, the Bulgarian Parliament has authority of the decision.
- Concerning the construction of mineral water abstraction facilities, it could be called a dual management situation. The WD-MoEW has an authority for permission, while the WABD has responsibilities for monitoring, control, and enforcement basically. However, the WD-MoEW has a power to take over the authority of monitoring, control, and enforcement, although the criteria are unclear.

(b) Water or Wastewater Discharge

- Concerning the wastewater (domestic or industrial or livestock) discharge
 into sewerage networks, The Water Company has all the responsibilities.
 The RIEW-MoEW has only a power to check the water quality for the
 wastewater discharge just the outlet points from the sewerage networks. The
 WABD has no authority for the case.
- Concerning the construction of structures and facilities (drainage pumping station) for water or wastewater discharge, the WABD has an authority for permission, only if the facilities are close to the river. Concerned municipality has an authority for permission in the other cases.
- Concerning the construction of urban/domestic or industrial/livestock farm's wastewater treatment plant (WWTP or IWWTP), concerned municipality has an authority for the permission and the other actual authority are unclear.

(c) Waste Management related to Water Management

 Basically, the RIEW-MoEW has authorities for permission and control for waste (domestic, industrial, and hospital) disposal or construction of the waste disposal facilities within the basin district.

- The WABD has an authority for monitoring for waste disposal and the RIEW-MoEW with "Eco-police" has an authority for enforcement for the illegal activities (e.g. illegal waste dumping).
- There are no clear authorities (responsibilities) for the monitoring and enforcement for the waste disposal related to water management. This situations may cause many waste disposal problems within the basin district.

(d) Sand and Gravel Mining within River Basin

- In principle, the WABD has the responsibilities for sand and gravel mining, but only from the riverbed, and there is not allowed for sand and gravel mining from the riverbanks and flood plain or nearby land. However, large-scale sand and gravel mining from the riverbanks are observed in some places within the basin district based on a concession contract.
- Concerning the sand and gravel mining from other areas (forest area, agriculture area, etc.) within the river basin, there in no authority of the WABD, although the RIEW-MoEW may have the responsibilities, but these are unclear.

(e) Maintenance of the River Course and the Surrounding area

• Basically, the responsibilities for the maintenance of riverbanks including dikes and protection structures (revetment, etc.) are by each owner (district governor, mayor, etc.) of the structures.

(f) Conservation of the Protected Area

- Basically, concerning conservation of drinking water (sanitary water) sources, the WABD has some responsibilities within the basin district.
- Concerning conservation of mineral water, the WD-MoEW has the authority for more than 100 mineral water deposits, which are listed the Annex II of the Water Act as exclusive state properties in the whole Bulgaria territory.
- Concerning the conservation of ecologically important area, each management body, which is identified by each protected area management plan, has all the authorities; therefore, the WABD could not manage the area.

(g) Conservation of the River Basin

- In principal, conservation of the forest area, the MoAF has all the authorities by certain forestry management plan with consultation by the WABD.
- Concerning conservation of the flood plain area with in the river basin, the WABD has actually no responsibilities. The management authorities of the WABD are limited within the riverbed.

 Concerning conservation of the other land areas within the river basin, the WABD has no authority, although main management objective is water conservation.

(h) Flood Prevention Control

- In principle, the WABD has no authority for the flood prevention control, including river warning system. Ministry of State Policy for Disasters and Accidents (MSPDA) has the authority (responsibility) including the river warning system.
- Concerning any disaster management plan, the WABD has no responsibility. The WABD has only in charge of riverbed area management such as riverbed cleaning after flooding, according to the WABD.
- Concerning construction of the flood prevention control structures (e.g. enlargement of river channel or dike, etc.), the WABD has no authority.

(i) Sediment Control

- The WABD has no responsibility for sediment (including landslide) control, which prevent from morphological change of the river courses or river water contamination, even if the sedimentation including landslide are normal natural phenomena.
- Concerning construction of the sediment control structures (check dam, control levee, etc.), there is actually no specific structure within the WABD.

(j) Control for Accidental Pollution

- In principle, concerning of control for accidental pollution by industry (e.g. large-scale hazardous wastewater spills to the river), or mining, or others, the WABD has no responsibility.
- Basically, the RIEW-MoEW, MSPDA, and Civil Defense of Bulgaria are in charge of the accidental pollution. However, there is no clear authority for the control.
- The remedial actions for the accidental pollution will be done by the RIEW-MoEW and Civil Defense, when the accidents occur.

G.3.4 Gaps in the Existing River Basin Management Systems

The four River Basin Directorates for the regional level, and MoEW for the country level have conducted the river basin management in Bulgaria. However, there are many management issues, which are described in previous sections. This section describes the main points of the issues.

In spite of the importance of the river basin management especially water management, which is one of the most important resources for the country, there are following gaps between the expected image and results of the river basin management and the actual implementation.

(1) Insufficient Staff and Management Capacities against the Wide Physical Coverage Area and Extensive Responsibilities for the River Basin Management

The coverage area of the river basin management is very wide, which covers the whole country (about 110,000 km²) by the four Basin Directorates. However, the Basin Directorates' main offices are located in Pleven, Varna, Plovdiv and Blagoevgrad only, and the number of the management offices even including their branch offices is very small.

Furthermore, the responsibilities of the river basin management is very wide, which include permission for water abstraction, discharge of wastewater, sand and gravel extraction and construction activities in the river courses, conservation of protected areas as well as controlling and monitoring these activities etc. Flood prevention has also become very important issue in the river basin management.

However the total number of the staff of the four River Basin Directoreates is only about 250. Including MoEW, total staff for river basin management in the country is only about 300.

Comparing to the forestry management, which has about 120 years history and coverage of 1/3 of the country with management staff of about 1,000 in total both for central level and regional level, the existing number of the staff of the river basin management is too small and insufficient. It is necessary to increase the staff for river basin management.

(2) Insufficient Understanding and Cooperation from the Water Users and Related Agencies

In order to attain the good status of water, not only well-organized river basin management activities, but also understanding and cooperation from the water users, who abstract water, discharge wastewater, take sand and gravel from the rivers and others, are indispensable.

However, there is lack of information in the Basin Directorates about wastewater discharge into the sewerage systems, which are managed by Water Supply and Sewerage Companies. This makes difficult to grasp the real pictures of pollution loads from the river basins, and analysis of the mechanism of pollution in the rivers as well as conduct appropriate actions for reducing pollution loads.

There is lack of measured data of water abstraction from the rivers and wells. Self-monitoring of the water abstraction is also not conducted properly. This makes difficulty to grasp the actual conditions of water abstraction in the river basin.

Sand and gravel extraction from the river is one of the big problems. However, it is not clear how much of the quantity of sand and gravel is extracted actually, and how the sand and gravel extraction activities have been conducted. It makes difficulty for managing the river channel from river morphological point of views.

River basin management can be conducted based on the understanding and cooperation from water users as well as people. It is necessary to enhance the understanding and cooperation to river basin management from water users and people. Implementation of the River Basin Management Plan will require the actions from other related agencies such as MoRDPW, MoAF, MoEE, municipalities and Water Supply and Sewerage Companies, Irrigation Systems Ltd., and NEK. Therefore, understanding and cooperation from these agencies to river basin management is also very necessary.

(3) Dispersed Responsibility of Management for Water and Floods

Although water abstraction, wastewater discharge and construction of hydraulic facilities and other water related activities are conducted in the river basins, responsibilities of river basin management are dispersed into the Basin Directorates and the MoEW under the current Water Act. Minister of MoEW has responsibilities for the permission of water use by major dams, inter-basin water transfer and abstraction of mineral water, but these activities are conducted in the river basis, they also can be controlled and managed by the Basin Directorates under communication with MoEW.

Control monitoring of wastewater discharge from industries and animal breeding farms etc. are conducted by the REIW. In case of breaching the regulation, REIW has right to control the industries etc., including imposing penalty. However, this activity is really important activity in the river basin management.

In case of flood prevention, it should be consisted of flood mitigation (preparedness) from short-term, mid-term and long-term point of views, flood warning and evacuation, emergency response and recovery actions. The newly created Ministry of State Policy for Disaster Prevention and Civil Defense has functions mainly for flood warning, emergency response and recovery. However, there is no clear responsible body, which manages the flood control and prevention activities including mitigation from total point of view. Therefore, the current flood prevention activities seem to be conducted only by ad-hoc basis up to now.

The above three examples of the dispersed responsibilities of water management makes the water management activities to be complicated. It is better to simplify the responsibilities and to be integrated based on the river basins.

G.3.5 Proposals on the Directions for Improvement of the Organizations and Institutions

The followings are recommended proposals for improvement of the organizations and Institutions for water management in Bulgaria.

It should be kept in mind that the strengthening of the capacities for river basin management in Bulgaria is prerequisite for fulfillment of the requirements of the EU-WFD as well as for implementation of the proposed programs of measures of the RBMPs in Bulgaria.

For strengthening the capacities for river basin management, it is indispensable to consider the reinforcement of the water management organizations as well as revision of the Water Act and relevant regulations. The proposals of the JICA Study Team on The

directions for the improvement of the organization and institution for river basin management in Bulgaria are as follows.

(1) Directions for Improvement of the Organization

(a) Increasing the Staff for the River Basin Management

In order to meet the wide coverage area and extensive responsibilities for river basin management by the Basin Directorates, numbers of their staff is necessary to be increased. It is recommendable to conduct the study on the appropriate number of staff for river basin management referring to the other similar management bodies such as State Agency of Forest in Bulgaria as well as the river basin management bodies in the other European countries.

State Agency of Forest in Bulgaria has the Central Office and 16 Regional Offices, which have the forest management staff of 1065 in total and manage about 1/3 of the territory of Bulgaria.

Another example is the District Governors' Offices in Bulgaria, which have 28 offices with about 1187 staff in the whole country, and have responsibility for cleaning riverbed against floods as well as maintenance of river channel in certain stretches in the country.

Based on these two examples, an order of 1000 staff for the whole country for river basin management may be one of the reference numbers to be considered. Training of the skills of the staff of the River Basin Management Bodies (Basin Directorates and MoEW) is always required especially in the case of increasing the numbers of their staff.

(b) Placing the River Basin Management Bodies to the Position to Coordinate the Related Agencies for Better Implementation to attain the Good Status of Water

At present, many agencies are involved in river basin management tasks based on the Water Act. For example, the MoRDPW and municipalities for domestic/industrial water supply, urban waste water and wastewater treatment, the MoEE for hydropower, the MoAF for irrigation facilities and dikes. Also, Ministry of State Policy for Disaster Prevention, municipalities and district governors have responsibilities against warning and evacuation, emergency responses and recoveries against natural disaster including floods and accidental pollutions etc. Therefore, in order to conduct river basin management properly and effectively, the River Basin Management Bodies shall be in the position, which can coordinate the different players for implementing the programme of measures for improving the condition of the river basins. For this purpose, there are two alternative ways to be considered. Considering the present situation, the Alternative 1 is recommended at this moment.

Alternative 1: Strengthening the Functions of the River Basin Management in the Existing Organizational Structures

Within the existing organizational structures for the river basin management of MoEW System, strengthening of the functions for river basin management bodies will be considered to have better ability for coordinating the different relating agencies for implementing the proposed programme of measures on schedule. In order to this strengthening, not only the strengthening of the staff for river basin management, but also establish better agreement for the cooperation from the different related agencies is necessary to be established and to be implemented. However, as we can see some administrative limits under the current system, it may require strong order from the government for cooperation to the river basin management activities.

Alternative 2: Establishment of the "State Agency for River Basin Management"

Due to the importance of water to the people in Bulgaria, it is worthwhile to consider another alternative way for strengthening the organization for the river basin management. That is establishment of a new "State Agency for River Basin Management" under the Prime Minister or the Council of Ministers.

This new State Agency shall be in the neutral and clear position among the different relating agencies for water, and shall be the top authority for managing the water related activities and prepare basic national strategy and plan for river basin management. Also it shall conduct strong coordination for implementing the necessary programme of measures for Bulgaria to catch up the required schedule from EU to attain the good status of water. Furthermore, the recognition of the river basin management activities among the people in Bulgaria will also be enhanced by the establishment of the new State Agency, which corresponds to the importance of water for the country.

The new "State Agency for River Basin Management" will be composed of a Central Office and the River Basin Management Directorates. The Central Office will have a function of inter-ministerial coordination, policy making and communicating functions with EU as well as supporting functions for the River Basin Directorates. The strengthened Water Directorate of MoEW as well as the River Basin Directorates will be the basis for the new State Agency.

(2) Directions for Improvement of the Institution

(a) Strengthening the Obligation of the Water Users for Conservation and Improvement of Water and Water related Environment

In order to improve the conditions of water such as water quality and water quantity, cooperation from water users such as Water Supply and Sewerage Companies,

Irrigation Company, National Electric Company and Dam and Cascade Enterprise, as well as the private sectors such as industries and big animal breeding farms are necessary. Therefore, strengthening of the obligation from the user side to enhance their cooperation will be required as follows.

- 1) Installation of measurement devices for water abstraction for daily measurement and reporting to the Basin Directorates to ensure the water abstraction is properly conducted based on the permission.
- 2) Installation of the measurement of the quantity of wastewater discharge and conduct periodical measurement and sampling and laboratory test of the wastewater from sewerage systems as well as industries and big animal breeding farms and reporting the results to the Basin Directorates to ensure the wastewater is within the limit of the permission.
- 3) Installation of the treatment facilities for the wastewater from industries and big animal breeding farms. Strengthening the penalty system is also required, which will not allow continuous payment of the penalties instead of installation of the treatment facilities by them.
- 4) Measurement of the quantity of sand and gravel extraction correctly by the company doing extraction, and report and monitored by the Basin Directorates, so that to ensure the activities to be conducted within the limit of permission.

(b) Integration of Responsibilities for River Basin Management for Consistent Management for the River Basin

- 1) In order to simplify the responsibility of water management for consistent management based on the river basins, it is necessary to integrate the responsibilities including permissions and control for water and relating matters to the River Basin Directorates.
- 2) In the case of inter-basin water transfer, utilization of water of the major reservoirs, and abstraction of mineral water, they can be analyzed and judged on the basis of the river basins by consulting the opinion of the Central Office.
- 3) For monitoring and controlling the wastewater discharge and solid waste dumping along the rivers, it is worthwhile to consider integrating the water sector of the REIW into the Basin Directorate to simplify the controlling system.

(c) Adding Management Functions for River Morphology, Flood Prevention to the River Basin Management

- 1) In order to manage the river courses in the consistent manner from upstream to downstream, it is necessary for all the river courses to be the state property.
- 2) In order to ensure the discharge capacity of the river channel against floods, it is very important to maintain the river courses. For this purpose, it is necessary to give the right for managing the river courses including river morphology by the River Basin Directorates. This needs integrated management plan on the river as the basis for the management.

3) Preparedness against floods and sediment disaster is to be considered from total point of views, which are composed of flood warning and evacuation system and mitigation measures from short-term, mid-term and long-term point of views. Therefore, in order to conduct systematic implementation of the flood control, strong management based on the integrated flood control plan by the Basin Directorate is required, and institutional arrangement will be necessary.

(d) Enhancement of the Cooperation from the Municipalities to the River Basin Management Activities

- 1) In order to attain the good status of water, people's participation especially cooperation from the municipality offices are indispensable.
- 2) The cooperation can be considered for monitoring activities, implementation of the structural and non-structural measures of the necessary programme of measures for improving the conditions of water and water related environment.
- 3) For people, it is more convenient to go to nearby municipality offices than to go to the Basin Directorates, which locate far from the houses. Therefore, in the request of permission of the small matters, it is better to received the request document from the people by the municipality offices, and convey them to the Basin Directorates.
- 4) Legal arrangement is required to ensure the cooperation from the municipality offices to the above activities. It is recommendable to start such cooperation with some municipalities as the pilot cases, and extend them based on the legal arrangement.

(e) Utilization of Raw Water Tariff for Effective Implementation of the Programme of Measures

- 1) In order to accelerate the implementation of the programme of measures for improving the condition of the water and water related environment, it is necessary to use effectively the collected raw water tariff from water abstraction and wastewater discharge from the cost recovery aspects for river basin management.
- 2) If the Basin Directorates can organize small size implementation for improving the water and water related environment by themselves, together with the large size implementation of the programme of measures by other relating agencies such as MoRDPW and MoAF, the implementation of the programme of measures will be accelerated.
- 3) Institutional arrangement will be required for the above effective utilization of the raw water tariff.

Supporting Report G Tables

Table G.3.1 Actual Authorities (Responsibilities) for Water Management in the EABD

Item	Permission	Control	Monitoring	Enforcement (include penalty and fine)
1. Water Abstraction and Use				
1.1 from surface water				
1.1.1 Large volume abstraction and use	EABD or WD-MoEW	EABD	EABD	EABD
(irrigation, domestic water supply,				
industrial water supply, hydropower and others)				
1.1.2 Medium and small volume abstraction	EABD or WD-MoEW	EABD	EABD	EABD
1.2 from groundwater				
1.2.1 Large volume abstraction	EABD or WD-MoEW	EABD	i	i
1.2.2 Medium and small volume abstraction	EABD or WD-MoEW	EABD	i	i
1.3 Construction of water abstraction / use structures and facilities except mineral water	s and facilities except miner	al water	-	
1.3.1 Dam with reservoir including intake structure	ə			
1) Large dam/reservoir	WD-MoEW	EABD	EABD	EABD
2) Medium and small dams / reservoir (pond)	EABD	EABD	EABD	EABD
1.3.2 Weir / headwork including intake structure				
1) Weir / headwork crossing river	EABD	EABD	EABD	EABD
2) Weir / headwork crossing small stream	EABD	EABD	EABD	EABD
1.3.3 Intake structure at river bank	EABD	EABD	EABD	EABD
1.3.4 Inter-basin water transfer including water transfer tunnel or channel. siphon. others	WD-MoEW	EABD	EABD	EABD
1.3.5 Inner-basin water transfer including water	EABD	EABD	EABD	EABD
transfer tunnel or channel, siphon and				
others				
1.3.6 Hydropower plant (HPP)	EABD	EABD	EABD	EABD
1.3.7 Surface water intake pumping station	EABD	EABD	EABD	EABD
1.3.8 Groundwater intake pumping station	EABD	EABD	EABD	EABD
1.3.9 Construction of groundwater wells or mineral water abstraction facilities	WD-MoEW	EABD	EABD	EABD

Item	Permission	Control	Monitoring	Enforcement (include
2. Water or Wastewater Discharge				penalty and fine)
er (from H	PP, cooling water discharge from thermal power plant (TPP) and from drainage pumping station etc.)	thermal power plant (TPP)) and from drainage pum	oing station etc.)
1) Large volume of discharge	WD-MoEW	RIEW-MoEW	EEA-MoEW	WD-MoEW or EABD
2) Medium and small volume of discharge	WD-MoEW	RIEW-MoEW	EEA-MoEW	WD-MoEW or EABD
2.2 Water discharge to groundwater (such as discharge of floodwater and injection for groundwater recharge) - This activities are principally prohibited -	rge of floodwater and inject	ion for groundwater recha	rge) - This activities are _l	rincipally prohibited -
1) Large volume of discharge	EABD	$\dot{\iota}$	$\dot{\iota}$	i
2) Medium and small volume of discharge	EABD	i	i	i
2.3 Wastewater discharge to surface water				
2.3.1 Domestic wastewater discharge directly to the surface water	e surface water			
1) Large volume of wastewater discharge	EABD or MD-MoEW	RIEW-MoEW	EEA-MoEW	EABD or MoEW
2) Medium and small volume of wastewater	EABD or MP	RIEW-MoEW	EEA-MoEW	EABD
discharge				
2.3.2 Domestic wastewater discharge into sewerage networks	e networks			
1) Large volume of wastewater discharge	WC	WC	WC	ć
2) Medium and small volume of wastewater	WC	WC	WC	i
discharge				
2.3.3 Industrial or livestock farm's wastewater discharge directly to the surface water	harge directly to the surface	water		
1) Large volume of wastewater discharge	EABD	RIEW-MoEW	EEA-MoEW	EABD or MoEW
2) Medium and small volume of wastewater	EABD	RIEW-MoEW	EEA-MoEW	EABD or MoEW
discharge				
2.3.4 Industrial or livestock farm's wastewater discharge into sewerage networks	charge into sewerage networ	ks		
1) Large volume of wastewater discharge	MC	WC	WC	WC
2) Medium and small volume of wastewater	MC	WC	WC	WC
discharge				
2.4 Wastewater discharge to groundwater (such as mining wastewater)	nining wastewater)			
1) Large volume wastewater discharge	EABD	RIEW-MoEW	EEA-MoEW	i
2) Medium and small volume wastewater discharge	EABD	RIEW-MoEW	EEA-MoEW	i
2.5 Construction of structures and facilities for water or wastewater discharge	er or wastewater discharge			
2.5.1 Drainage pumping station including sluice	No case		1	1
gate				

discharge from TPP der tailing dam to discharge page into the downstream ic wastewater treatment	rerimssion	Control	Monitoring	Enforcement (include penalty and fine)
Drain pipes under tailing dam to discharge river water/seepage into the downstream Urban / domestic wastewater treatment	No case	1		1
Urban / domestic wastewater treatment	No case	ı	1	ſ
plant (WWTP)	EABD	RIEW-MoEW	EEA-MoEW	EABD or MoEW
2.5.5 Industrial / livestock farm's wastewater treatment plant (IWWTP)	EABD	RIEW-MoEW	EEA-MoEW	EABD or MoEW
tewater treatment	EABD (septic tank, etc.)	i	ċ	ċ
2.5.7 Wastewater treatment plant for waste EABD (damping site	EABD (only leachate)	ċ	ċ	i
3. Waste Disposal				
ste disposal	RIEW-MoEW	RIEW-MoEW		1
3.2 Industrial or other special waste disposal (from hospital etc.)	RIEW-MoEW	RIEW-MoEW	ı	ı
3.3 Livestock farm's waste disposal RIE	RIEW-MoEW	RIEW-MoEW	ı	-
3.4 Construction of waste disposal site	RIEW-MoEW	RIEW-MoEW	-	-
4. Sand and Gravel Mining				
4.1 Sand and gravel mining from the river bed and river banks	EABD	EABD	EABD	EABD
4.2 Sand and gravel mining from the flood plain or nearby land	MoEW	RIEW-MoEW	RIEW-MoEW	RIEW-MoEW
4.3 Sand and gravel mining from the other area in MoEV the river basin (such as from forest area, agricultural land etc.)	MoEW and others	RIEW-MoEW	RIEW-MoEW	RIEW-MoEW
5. Maintenance of the River Course and Surrounding Area	ea			
5.1 Maintenance of river banks including dikes EAB and protection structure (revetment, groin, etc).	EABD to certain company?	ż	i	i
	i	i	i	i
5.3 Construction of obstacle structures to flow (bridge, jetty etc.)	EABD?	i	i	i

Item	Permission	Control	Monitoring	Enforcement (include penalty and fine)
6. Conservation of the Protection Area				
6.1 Area of drinking water source	EABD	EABD	EABD	EABD
6.2 Area of mineral water	WD-MoEW	EABD or MoEW	EABD or MoEW	EABD or MoEW
6.3 Area of ecologically important area	MoEW (EABD no responsibility	MoEW	MoEW	MoEW
7. Conservation of the River Basin				
7.1 Forest area	MoAF	MoAF	MoAF	MoAF
7.2 Flood plain area	EABD no	EABD no	EABD no	EABD no
	responsibility	responsibility	responsibility	responsibility
7.3 Other land (agricultural land, pasture land etc.)	EABD no	EABD no	EABD no	EABD no
	responsibility	responsibility	responsibility	responsibility
8. Flood Control				
8.1 Flood control for urban area	MoPDA has responsibiliti	MoPDA has responsibilities (EABD has no responsibilities)	(bilities)	
8.2 Flood control for rural and agricultural area	MoPDA has responsibiliti	MoPDA has responsibilities (EABD has no responsibilities)	(bilities)	
8.3 Construction of flood control structures	? EABD has no responsib	? EABD has no responsibilities, but MoRDPW, MoAF, and other central ministries as well as EABD	AF, and other central mi	nistries as well as EABD
(enlargement of river channel, dikes, floodway,	participate in the discussion.	on.		
etc.)				
9. Sediment including Landslide Control				
9.1 Sediment control for urban area	EABD has responsibilities only within the riverbed	s only within the riverbed		
9.2 Sediment control for rural and agricultural area	EABD has responsibilities by Water Act	s by Water Act		
9.3 Sediment control in forest area	EABD has responsibilities by Water Act	s by Water Act		
9.4 Construction of sediment control structures in	EABD has no responsibili	EABD has no responsibilities, owners (MP, or Landowner, etc.) of the structures has responsibilities	owner, etc.) of the structu	res has responsibilities
the river (check dam, consolidation dam,				
control levee etc.)				
10. Control for Accidental Pollution				
10.1 Accidental pollution by industry	RIEW-MoEW has respon	RIEW-MoEW has responsibilities. (EABD has no responsibilities)	esponsibilities)	
10.2 Accidental pollution by mining	RIEW-MoEW has respon	RIEW-MoEW has responsibilities. (EABD has no responsibilities)	esponsibilities)	
10.3 Accidental pollution by others	RIEW-MoEW has respon	RIEW-MoEW has responsibilities. (EABD has no responsibilities)	esponsibilities)	

Table G.3.2 Actual Authorities (Responsibilities) for Water Management in the WABD

Item	Permission	Control	Monitoring	Enforcement (include penalty and fine)
1. Water Abstraction and Use				
1.1 from surface water				
1.1.1 Large volume abstraction and use	WABD or WD-MoEW	WABD	WABD	WABD
(irrigation, domestic water supply,	(from multi-purpose			
industrial water supply, hydropower and	reservoir is only for			
others)	MoEW)			
1.1.2 Medium and small volume abstraction	WABD or WD-MoEW	WABD	WABD	WABD
1.2 from groundwater				
1.2.1 Large volume abstraction	WABD or WD-MoEW	WABD	WABD	WABD
1.2.2 Medium and small volume abstraction	WABD or WABD	WABD	WABD	WABD
1.3 Construction of water abstraction / use structures and facilities except mineral water	s and facilities except mine	ral water		
1.3.1 Dam with reservoir including intake structure	o.			
1) Large dam / reservoir	WD-MoEW	WABD	WABD	WABD
2) Medium and small dams / reservoir (pond)	WABD	WABD	WABD	WABD
1.3.2 Weir / headwork including intake structure				
1) Weir / headwork crossing river	WABD	WABD	WABD	WABD
2) Weir / headwork crossing small stream	WABD	WABD	WABD	WABD
1.3.3 Intake structure at river bank	WABD	WABD	WABD	WABD
1.3.4 Inter-basin water transfer including water	WD-MoEW	WABD	WABD	WABD
1.3.5 Inner-basin water transfer including water	WABD (No practical	WABD	WABD	WABD
transfer tunnel or channel, siphon and	case in WABD)			
others				
1.3.6 Hydropower plant (HPP)	WABD	WABD	WABD	WABD
1.3.7 Surface water intake pumping station	WABD	WABD	WABD	WABD
1.3.8 Groundwater intake pumping station	WABD	WABD	WABD	WABD
1.3.9 Construction of groundwater wells or mineral water abstraction facilities	WD-MoEW or WABD	WD-MoEW or WABD	WD-MoEW or WABD	WD-MoEW or WABD
	-	4		

Item	Permission	Control	Monitoring	Enforcement (include
				penalty and fine)
2. Water or Wastewater Discharge				
2.1 Water discharge to surface water (from HPP, co.	cooling water discharge from thermal power plant (TPP) and from drainage pumping station etc.)	hermal power plant (TPP)	and from drainage pump	ing station etc.)
1) Large volume of discharge	WD-MoEW	WABD	WABD	WABD
2) Medium and small volume of discharge	WD-MoEW	WABD	WABD	WABD
2.2 Water discharge to groundwater (such as discharge of floodwater and injection for groundwater recharge) - This activities are principally prohibited	rge of floodwater and inject	ion for groundwater recha	rge) - This activities are p	rincipally prohibited -
1) Large volume of discharge	WD-MoEW	WABD	WABD	WABD
2) Medium and small volume of discharge	WD-MoEW	WABD	WABD	WABD
2.3 Wastewater discharge to surface water				
ectly to	the surface water			
1) Large volume of wastewater discharge	WABD or MD-MoEW	i	i	i
2) Medium and small volume of wastewater	WABD (standalone is	i	i	i
discharge	no permission)			
2.3.2 Domestic wastewater discharge into sewerage networks	e networks			
1) Large volume of wastewater discharge	MC	WC	WC	WABD
2) Medium and small volume of wastewater	ЭM	WC	WC	WABD
discharge				
2.3.3 Industrial or livestock farm's wastewater disc	ischarge directly to the surface water			
1) Large volume of wastewater discharge	WABD	WABD	WABD	WABD
2) Medium and small volume of wastewater	WABD	WABD	WABD	WABD
discharge				
2.3.4 Industrial or livestock farm's wastewater discharge into sewerage networks	harge into sewerage networ	ks		
1) Large volume of wastewater discharge	WABD	WC	WC	WC
2) Medium and small volume of wastewater	WABD	WC	WC	WC
discharge				
2.4 Wastewater discharge to groundwater (such as r	as mining wastewater)			
1) Large volume wastewater discharge	WD-MoEW	WABD	WABD	WABD
2) Medium and small volume wastewater	WABD	WABD	WABD	WABD
discharge				
2.5 Construction of structures and facilities for wate	ater or wastewater discharge			
2.5.1 Drainage pumping station including sluice	Municipality or WABD	WABD	WABD	WABD
gate				

Item	Permission	Control	Monitoring	Enforcement (include penalty and fine)
2.5.2 Cooling water discharge from TPP	Municipality or WABD	WABD	WABD	WABD
2.5.3 Drain pipes under tailing dam to discharge river water/seepage into the downstream	WABD	WABD	WABD	WABD
2.5.4 Urban / domestic wastewater treatment plant (WWTP)	Municipality	Municipality	Municipality	Municipality
2.5.5 Industrial / livestock farm's wastewater treatment plant (IWWTP)	No authority	No authority	No authority	No authority
2.5.6 Small size individual wastewater treatment plant for household	ċ	i	ċ	i
2.5.7 Wastewater treatment plant for waste dumping site	ċ	i	ċ	ċ
3. Waste Disposal				
3.1 Domestic waste disposal	RIEW-MoEW	RIEW-MoEW	RIEW-MoEW	RIEW-MoEW
3.2 Industrial or other special waste disposal (from hospital etc.)	RIEW-MoEW	RIEW-MoEW	WABD-	Eco Police
3.3 Livestock farm's waste disposal	RIEW-MoEW	RIEW-MoEW	RIEW-MoEW	RIEW-MoEW
3.4 Construction of waste disposal site	RIEW-MoEW	RIEW-MoEW	Self monitoring -	RIEW-MoEW
4. Sand and Gravel Mining				
4.1 Sand and gravel mining from the river bed and river banks	WABD	WABD	WABD	WABD
4.2 Sand and gravel mining from the flood plain or nearby land	Not allowed	RIEW-MoEW	RIEW-MoEW	RIEW-MoEW
4.3 Sand and gravel mining from the other area in the river basin (such as from forest area, agricultural land etc.)	RIEW-MoEW	i	i	i
5. Maintenance of the River Course and Surrounding Area	iding Area			
5.1 Maintenance of river banks including dikes and protection structure (revetment, groin, etc).	MoAF?	?	i	?
5.2 Maintenance of river bed stabilizing structures	RIEW-MoEW?	WABD	WABD	WABD
5.3 Construction of obstacle structures to flow (bridge, jetty etc.)	WABD?	٠	ć	?

Item	Permission	Control	Monitoring	Enforcement (include penalty and fine)
6. Conservation of the Protection Area				
6.1 Area of drinking water source	WABD (Construction of the facilities)	WABD	WABD	WABD
6.2 Area of mineral water	WD-MoEW	WABD or MoEW	WABD or MoEW	WABD or MoEW
6.3 Area of ecologically important area	MoEW (WABD no responsibility	MoEW	MoEW	MoEW
7. Conservation of the River Basin				
7.1 Forest area	MoAF	MoAF	MoAF	MoAF
7.2 Flood plain area	WABD no	WABD no	WABD no	WABD no
	responsibility	responsibility	responsibility	responsibility
7.3 Other land (agricultural land, pasture land etc.)	WABD no	WABD no	WABD no	WABD no
	responsibility	responsibility	responsibility	responsibility
8. Flood Control				
8.1 Flood control for urban area	MoPDA has responsibilities (WABD has no responsibilities)	es (WABD has no respons	sibilities)	
8.2 Flood control for rural and agricultural area	MoPDA has responsibilities (WABD has no responsibilities)	es (WABD has no respons	sibilities)	
8.3 Construction of flood control structures	WABD has no responsibilities, but MoRDPW, MoAF, and other central ministries as well as WABD	lities, but MoRDPW, Mo.	AF, and other central mir	istries as well as WABD
urgement of river channel, dikes, floodway,	participate in the discussion.	n.		
9. Sediment including Landslide Control				
9.1 Sediment control for urban area	WABD has responsibilities only within the riverbed	s only within the riverbed		
9.2 Sediment control for rural and agricultural area	WABD has responsibilities by Water Act	s by Water Act		
9.3 Sediment control in forest area	WABD has responsibilities by Water Act	s by Water Act		
9.4 Construction of sediment control structures in	WABD has no responsibilities, owners (MP, or Landowner, etc.) of the structures has responsibilities	ities, owners (MP, or Land	downer, etc.) of the struct	ures has responsibilities
the river (check dam, consolidation dam,				
control levee etc.)				
10. Control for Accidental Pollution				
10.1 Accidental pollution by industry	RIEW-MoEW has responsibilities. (WABD has no responsibilities)	sibilities. (WABD has no r	esponsibilities)	
10.2 Accidental pollution by mining	RIEW-MoEW has responsibilities. (WABD has no responsibilities)	sibilities. (WABD has no 1	esponsibilities)	
10.3 Accidental pollution by others	RIEW-MoEW has responsibilities. (WABD has no responsibilities)	sibilities. (WABD has no r	esponsibilities)	

SUPPORTING REPORT H

Public Consultations

Table of Contents

Tabl	e of Con	itents	i
List	of Table	s	ii
H	PUBLI	C CONSULTATIONS	H-1
H.1	Introdu	iction	H-1
H.2	Summa	ary of Each Public Consultation	H-1
H.3	Comm	ents of the Public Consultations and the Recommendations	H-1
	H.3.1	Comments of the Public Consultations	H-1
	H.3.2	Recommendations for the Public Consultation and Involvement	H-2

List of Tables

H PUBLIC CONSULTATIONS

H.1 Introduction

Many public consultations were held by the EABD and WABD based on the requirements of EU-WFD under supporting by JICA Study Team members. These public consultations were also held as Stakeholder Meetings for Environmental and Social Considerations for the draft RBMPs in the EABD and in the WABD of this JICA Master Plan Study.

H.2 Summary of Each Public Consultation

Summary of each Public Consultation, which was conducted during this JICA Master Plan Study is shown in Table H.2.1 by chronological order.

H.3 Comments of the Public Consultations and the Recommendations

H.3.1 Comments of the Public Consultations

(1) Reflections for the draft RBMPs

According to the Article 14 of the EU-WFD, EU member states shall allow at least six months to comment in writing on the RBMP in order to allow active involvement and consultation. This means responsible authorities of Bulgaria for water management shall allow to comment in writing on the RBMP. Also, the public is allowed to have access to the documents and information used in the process of the development of the RBMP.

Based on the above understandings, the EABD and WABD has been received the comments from the participants of the public consultations and any persons, who send the comments through web site of the MoEW. Also, the EABD and the WABD has reflecting the some comments to the draft RBMPs. For example, the following water management issues and the ideas for the programs of measures, which were discussed at the public consultations, are reflecting to the draft RBMP.

- Water supply and sewer network issues at small scale settlement areas;
- Sand/gravel extractions from the river beds may cause excessive river morphological chances;
- Groundwater pollution risk issues by the agriculture activities;
- Prioritized rehabilitations of the water supply and sewer networks
- Appropriate design (stage-wise planning) of the WWTPs
- Educations for farmers (pesticide use, etc.), and
- Other local management issues and their ideas for the measures.

(2) EABD and WABD performances for the Public Consultations

Both EABD and WABD had conducted each 3 times Public Consultations, except for the 3rd Public Consultation for Maritsa River Basin, as one of the requirements of the EU-WFD and of the public participation process for the environmental and social considerations for the draft RBMPs. Concerning the 3rd Public Consultation for Maritsa River Basin will be held by the EABD on year 2008.

Each Public Consultation includes the following items:

- Opening Speech by Basin Directorate
- Objectives of each Public Consultation by JICA Study Team Member
- Presentation (e.g. water quality issues and their impacts in the river basin, etc.) by technical staff of Basin Directorate, other organizations
- Presentation (e.g. draft proposals of programs of measures for the issues and the impacts, etc.) by JICA Study Team Member
- Questions and answers related to the presentation topics;
- Group discussion (divided into 2 or 3 or 4 group at each public consultation depended on the participants and based on the location or interests group)
- Short presentations by each group facilitator for the discussion results
- Closing and explanation of the next steps of the RBMP, etc.

Through the series of this implementation of the Public Consultations, the coordination capacities such as progress management of each consultation, facilitator's skill for the group discussion, etc., of both EABD and the WABD were improved. These coordination capacities are also important not only to develop the RBMP, but also to disseminate the importance of the appropriate water management as well as the roles of Basin Directorate to the stakeholders and the public in Bulgaria.

H.3.2 Recommendations for the Public Consultation and Involvement

It is recommended that the followings could be considered for future public consultations and involvements for the finalizing RBMPs in Bulgaria:

- More staff from the Water Directive of MoEW shall be participated in the Public Consultations. Because there are very important chances that responsible central authorities for water management are able to understand the real water management issues and their local needs, as well as to consider the countermeasures based on the realities, which are discussed at each group discussion sessions of the Public Consultations.
- It is very important that continuous implementations of the public consultations by the Basin Directorate with more involvement from many stakeholders including local residents shall be done to formulate more appropriate finalizing and revising RBMPs and to actualize the RBMPs, as well as to improve river basin management more in Bulgaria.

Table H.2.1 Summary of Each Public Consultation

Items	EABD WABD					
1 st Public Consul		***************************************				
Date	November 6, 2006	November 2, 2006				
Targeted River	Tundja River Basin	Whole River Basin within the WABD				
Basin	Tunaja Kivei Busin	Area				
Place	City hall of Sliven	A private college in Blagoevgrad				
Objectives	Understand the real situations in terms	Understand the real situations in terms				
	of water related issues and to share the	of water related issues and to share the				
	information among the stakeholders	information among the stakeholders				
	especially for Tundja River Basin	for whole WABD area				
Participants	Technical/administration staff	Technical/administration staff from the				
	including mayor from the	organizations such as most of the				
	organizations such as Sliven	related municipalities, Regional				
	Municipality, Yambol Municipality,	Inspectorate of Environmental and				
	the MoEW, and Sewerage Company	Water, the MoEW, Basin Council,				
	and the other private sector, the other	energy company, university, local				
	Basin districts, local NGOs, as well as	NGOs, as well as the WABD staff and				
	the EABD staff, and others – Total 96	others – Total 43 persons				
Main discussed	persons Main discussed items: water supply	Main discussion itams: Drinking water				
items/participant's	Main discussed items: water supply issues, riverbed contamination, illegal	Main discussion items: Drinking water quantity/quality issues, lack of				
needs (priority	waste dumping, wastewater pollution,	wastewater treatment plant, protected				
problems)	riverbed ecosystem disturbance,	areas issues, irrigation water issues,				
problems)	extraction of sand/gravel, lack of	waste issues, mining issues,				
	WWTPs, pesticide issues, insufficient	institutional issues, water pollution in				
	water monitoring points, hydropower	household, and sewerage network				
	related issues, forest ecosystem	issues.				
	disturbance, drinking water issues,	Participant's needs: Further				
	transferable water issues, and	considerations of the sewerages, and				
	reduction method of pollution source.	the WWTP.				
	Participant's needs (Priority					
	<u>problems</u>): Ground water pollution by					
	agricultures, sand/gravel extraction					
T	from river beds.	DD.				
Items		ABD				
	Arda River Basin (1 st Public Consultation	on)				
Basin Date	November 28, 2006					
Place	Varna University of Smolyan Town					
Objectives	Understand the present water issues concerning the Arda River Basin and the					
Objectives	schedule for formulation of the RBMP among the stakeholders					
Participants Technical staff from the EABD, the WABD, the DRBD, and the BSRBD						
r	as a Euro Consultant (ARCADIS), and others – Total 48 persons (for group					
	discussion: Total 31 persons)					
Main discussed	1 /					
items/participant's						
needs						
	problems in the dam (e.g. Kardzhali dam).					
	Participant's needs: Further construction	articipant's needs: Further construction of the sewerages, and the WWTP				

Items	EABD			
Targeted River				
Basin				
Date	February 22, 2007			
Place	Parvomay Municipality Hall			
Objectives	Understand the present water issues concerning the upstream of Maritsa River Basin as well as the schedule for formulation of the RBMP among the stakeholders.			
Participants	Technical staff from the EABD, RIEW-WoEW in Pazardzhik, Municipalities (Parvomy, Kostenets, and others), an NGO, and others – Total 87 persons were invited, but actually EABD staff plus approximately 30 persons.			
Main discussed items/participant's needs	Main discussed items: Discussed issues are very diverse, but mains are Topolnitsa River quality due to wastewater by mineral mining, Insufficient control of sand and gravel mining from the river beds, Lack of WWTP, institutional management issues related to forestry management, insufficient management for Sanitary Protected Area, etc.			
Targeted River Basin	Downstream (from Parvomay town) of Maritsa River Basin			
Date	April 12, 2007			
Place	A Private Hotel of Haskovo Town			
Objectives	Understand the present water issues concerning the down stream of Maritsa River Basin as well as the schedule and working program of the RBMP.			
Participants	Technical staff from the EABD, Water Company, Irrigation Company, RIEW, Fisheries and aquacultures agencies, Regional Forestry Directorates, mining Companies, and others—Total 80 persons were invited.			
Main discussed	Main discussed items: Insufficient control of sand and gravel mining from the			
items/participant's	river beds, ground water level lowering, fish resources protection problems (e.g.			
needs	management of constructed facilities on rivers), water pollution by agriculture			
	activites, lack of flood mitigation measures, and institutional management			
	issues, etc.			

2 ^{na} Public Consultation					
Items	EABD				
Targeted River Basin	Arda River Basin (2 nd Public Consultation)				
Date	May 29, 2007				
Place	Kardzhali Hotel of Kardzhali Town				
Objectives	• Understand the main concepts (program measures, etc.) of the RBMP through presentation of a Dutch case, PHARE project				
	• Discuss the possible measures (possible ideas) for some water bodies in Arda River Basin by the participants.				
Participants	Technical staff from the EABD, the municipalities (Smolyan, Chernoochene, Krumovgrad), RIEW-MoEW in Smolyan and Haskovo, as well as a Euro Consultant (ARCADIS), local media, and others – (for group discussion: Total 31 persons)				
Main discussed items/participant's needs	Main discussed items: Problems: Wastewater pollution risk from ore mining, lack of sewerages and WWTP, and erosion, etc. Possible measures: Completion of the construction of sewerage in the villages, Strengthening the measures against erosion Participant's suggestions: Improving the water quality of Erma River from tailing pond, Forestation of the water bodies, etc.				

Items	EABD	WABD				
Targeted River	Tundja River Basin (2 nd Public	Whole WABD Basins				
Basin	Consultation)	The state of the s				
Date	September 4, 2007	September 5, 2007				
Place	Tundja Municipality Hall, Tundja	"American University" in Blagoevgrad				
1 iucc	Town	Timerican emversity in Biagoevgrad				
Objectives		• Explanations of the ideas for				
	programs of measures of the RBMP	programs of measures of the RBMP.				
	• Discuss the possible programs of	• Discuss the possible programs of				
	measures of the RBMP in Tundja	measures of the RBMP in whole				
	River Basin by the participants.	WABD areas by the participants.				
Participants	Technical staff from organizations	Technical/administration staff from the				
-	such as the municipalities (Elhovo,	organizations such as related				
	Yambol, Tundja, Sliven), RIEW, water	municipalities, RIEW, the MoEW,				
	supply companies, Local NGOs, Local	metal company, university professors,				
	media, EABD staff (for group	Local media, and WABD staff (for				
	discussion: Total 48 persons)	group discussion: Total 33 persons)				
Main discussed	Main discussed items:	Main discussion items:				
items/ Participant's	Problems: Solid waste dumping issues near	Problems: Industries with no WWTP,				
suggestions	riverbeds, Pollutions caused by untreated industrial water, etc. Possible measures: Strict	Insufficient WWTPs in the big towns,				
	control and sanctions for illegal solid waste	large amount of water losses from				
	dumping near the rivers.	water supply systems, etc.,				
	Participant's suggestions:	Possible measures: Educations for				
	Strengthening for reduction of	farmers for pesticide use, etc.				
	industrial wastewaters, Restoration of destroyed dikes for flood prevention,	Participant's suggestions:				
	Creation of buffer zones for natural	Construction of the WWTP and sewer				
	vegetation, etc.	systems at the small-scale settlement as				
	vegetation, etc.	well, more strict sanctions for the				
Items	I I	violators of the water discharge, etc. BD				
	Maritsa River Basin (2 nd Public Consul					
Targeted River Basin	Waritsa River Basiii (2 Public Collsul	tation)				
Date	November 20, 2007					
Place	Maritsa Municipality Building (Plovdiv	y town)				
Objectives						
Objectives	• Understand the main concepts (program of measures, etc.) of the RBMP through presentations by EABD.					
	 Discuss the possible measures (possible ideas) for water management issues in 					
	the Maritsa River Basin					
Participants		e Municipalities (Maritsa, Parvomay,				
	Simeonovgrad, etc.,), RIEW-MoEW, Water companies, local media, and others					
	– (Total 58 persons)	r ,				
Main discussed	Main discussed items:					
items/participant's	Problems: Many destroyed river protection structures, Insufficient sewer					
suggestions	systems in small-scale settlement, Serious waste problems in Haskovo area, very					
	few actualizations for new construction of local sewer networks, etc.					
	Possible measures: Strengthening of the river banks by planting trees, Controlled					
	land use for pastures and livestock for preventing floods, etc.					
	Participant's suggestions: Forestation in the upper reach of the river basins,					
	Development of the sewer systems at the					

3 rd Public Consultation						
Items	EABD	WABD				
Targeted River Basin	Tundja River Basin (3 nd Public Consultation)	Whole WABD basins				
Date	December 4, 2007	December 10, 2007				
Place	Kazanluk Grand Hotel	"American University" in Blagoevgrad				
Objectives	programs of measures of RBMP.	 Explanations of the draft proposing programs of measures of RBMP. Discuss concerning the draft programs of measures in the above basins by the participants. 				
Participants	Technical staff from organizations such as the municipalities (Kazanlak, , Elhovo, Sliven), Water Directorate of MoEW, RIEW, water supply companies, Local NGOs, Local media, EABD staff (:Total 55 persons)	Technical/administration staff from the organizations such as related municipalities, RIEW, the MoEW, metal company, university professors, Local media, and WABD staff (:for group discussion: Total 35 persons)				
Main Suggestions from the Participants (Ideas for programs of measures, others)	Participant's suggestions: Training of farmers for appropriate agriculture practices; Restructuring of water management organizations; Construction of sewerage networks and WWTPs in small-scale settlement; Development of a mechanism for the implementation of the "Polluter Pay Principle"; Review the measures for transferring the water from Tundzha River basin to Maritsa River Basin, Step-wise planning of WWTPs, others.	Participant's suggestions: Drinking water improvement including the Sanitary Protected Area; Cleaning of the river basin; Clear management for sand/gravel extraction; More strict management in the landfill sites; Implementation of more forestation at river basins; Impose illegal tree cutting; Conduct the flood prevention measures; Construction of water supply networks and WWTPs in small-scale settlement; Rehabilitation of water supply pipes; others.				

SUPPORTING REPORT I

Economic and Financial Evaluation

Table of Contents

Tab	ole of Co	ntents	i
Table of Contents List of Tables List of Figures List of Annexes List of Annex			
List	of Anne	xes	iv
I	ECON	OMIC AND FINANCIAL EVALUATION	I-1
I.1	Socio-	economic Framework.	I-1
	I.1.1	Population	I-1
	I.1.2	Economic Growth	I-1
	I.1.3	Transition of Industrial Structure and Tasks of Agricultural Sector .	I-2
	I.1.4	Irrigation	I-2
	I.1.5	Living Standard and Water Consumption	I-3
I.2	Econo	mic Evaluation	I-6
	I.2.1	Methodology	I-6
	I.2.2	Identification of Economic Benefit	I-7
	I.2.3	Identification of Economic Cost	I-13
	I.2.4	Economic Evaluation Result of Project and Conclusion	I-17
I.3	Financ	cial Analysis	I-20
	I.3.1	Financial Status of Public Institutions Dealing with Water Works	I-20
	I.3.2	Tariff Systems	I-24
	I.3.3	Recommendation	I-26

List of Tables

Table I.1.1	Fluctuation of Share Rate of Production by Economic Activities to
	GDP in the Past Several Years
Table I.1.2	Change of Share Rates by Economic Activities to GDP
Table I.1.3	Potential Area and Fluctuated Actual Irrigated Area
Table I.2.1	Current Cultivated Area in Bulgaria for the Past Several Years I-40
Table I.2.2	Average Productivity by Crops for the Past Several Years I-40
Table I.2.3	Comparison of Production With and Without Irrigation I-41
Table I.2.4	Number of Patients of Overall Diseases in Bulgaria I-42
Table I.2.5	Per Capita Income Level in Bulgaria during Past Several Years I-42
Table I.2.6	Annual Disbursement of Project Cost for Irrigation System
	Improvement Works in Financial and Economic Terms in the Case of
	the Target Year of 2015
Table I.2.7	Annual Disbursement of Project Cost for Irrigation System
	Improvement Works in Financial and Economic Terms in the
	Practical Case of the
Table I.2.8	Annual Disbursement of Project Cost for Wastewater Treatment
	System Improvement Works in Financial and Economic Terms in the
	Case of the Target Year of 2015
Table I.2.9	Annual Disbursement of Project Cost for Wastewater Treatment
	System Improvement Works in Financial and Economic Terms in the
	Practical Case of the Year of 2021(1)
Table I.2.10	Annual Disbursement of Project Cost for Potable Water Supply
	Network System Improvement Works in Financial and Economic
	Terms in the Case of the Target Year of 2015
Table I.2.11	Annual Disbursement of Project Cost for Potable Water Supply
	Network System Improvement Works in Financial and Economic
	Terms in the Practical Case of the Year of 2021
Table I.3.1	Statement of Revenue and Expenditure of Consolidated State Budget
	by Item in Bulgaria
Table I.3.2	Balance Sheet of the Ministry of Environment and Waters I-51
Table I.3.3	Statement of Revenue and Expenditure of the Ministry of
	Environment and Waters 2003-2004
Table I.3.4	Revenue and Financing Amount (Expenditure) of Enterprise for
	Management of Environmental Protection Activities (PUDOOS) I-53
Table I.3.5	Statement of Revenue and Expenditure of West Aegean River Basin
	Directorate 2003-2006
Table I.3.6	Statement of Revenue and Expenditure of East Aegean River Basin
	Directorate 2003-2006
Table I.3.7	Statement of Revenue and Expenditure of Danube River Basin
	Directorate 2003-2006
Table I.3.8	Statement of Revenue and Expenditure of Black Sea River Basin
	Directorate 2003-2006
Table I.3.9	Balance Sheet of Irrigation Systems Co.Ltd. (100 % State Owned
	Entetrprise subscribed by the Ministry of Agriculture and Forestry) I-58
Table I.3.10	Summary of Balance Sheet of Each WS&S Companies at a Grance I-59
Table I.3.11	Approved Price of Irrigation Water in 2005

Table I.3.12 Table I.3.13	Current Water Price by WS&S Co. Water Use Taxation System in Bulgaria.	
	<u>List of Figures</u>	
Figure I.1.1	Population Projection of the Municipality of Plovdiv	I-67
Figure I.1.2	Population Projection of the Municipality of Blagoevgrad	
Figure I.1.3	Changes of Income Level per Household in Bulgaria for Past S	
	Year	
Figure I.3.1	Cycle of Tariff Collection Systems on Water Works	I-68

List of Annexes

Annex I.1 Supplementary Tables for Economic Analysis
Annex I.2 Supplementary Tables for Financial Analysis

I ECONOMIC AND FINANCIAL EVALUATION

I.1 Socio-economic Framework

I.1.1 Population

Population in Bulgaria is on the decrease from the year 1985 as a peak. Nevertheless the population in Bulgaria shows a falling trend as a whole, that in some municipalities are increased during past several years as the Capital City, Sofia. Generally speaking, decrease of population is caused by hemorrhage of labor force of young generation as 20s or 30s of ages. But, on the other hand, increase in population in some cities and/or municipalities means to show a trend of concentration of the population in urban areas.

The population of the largest municipality of Plovdiv in the East Aegean River Basin has increased from 340,122 in 2001 to 341,873 in 2005 even showing some fluctuation depending on the year. And, the population itself of the Municipality of Blagoevgrad in the West Aegean River Basin is less than that in 2001, but it has slightly increased from 77,346 in 2003 to 77,462 in 2005.

Based on the above trend, the population of both the Municipalities of Plovdiv and Blagoevgrad may be increased to the year 2015, and that of the other municipalities in the West and the East Aegean River Basins may remain on the same level as it is. As shown in Figure I.1.1, in the Plovdiv, 3 cases are assumed as (1) the most optimistic case of population increase with 0.23 % to the year 2015 based on the same trend of past 3 years, (2) medium case with 0.18 % based on 50 % of past 3 years increase, and (3) the most pessimistic case with 0.12 % based on 25 % of past 3 years increase.

On the other hand, the municipality of Blagoevgrad is the largest municipality in the West Aegean River Basin, but a scale of the municipality is far small comparing with Plovdiv. Therefore, increasing rate of the population is also small. Accordingly, 3 cases are assumed as (1) the most optimistic case of population increase with 0.0.05 % to the year 2015, (2) medium case with 0.0.03 %, and (3) the most pessimistic case with 0.01 %. Figure I.1.2 shows a summary of population projection to the year of 2015.

I.1.2 Economic Growth

The clearest factor to express the economic growth is GDP. The following table shows a summary of GDP trend during past several years.

Trend of GDP and Per Capita Production for the Past Several Years

				(At	current price)
		2002	2003		Annual
Description	2001			2004	Average
Description	2001			2004	Increasing
					Rate
GDP (1,000 Levs)	29,709	32,335	34,547	38,275	8.82%
GDP per Capita (Levs/capita)	3,754	4,109	4,416	4,919	9.44%
Source: NSI.					

GDP has increased by 8.8 % annually in average, and GDP per Capita has also increased by 9.4 % annually in average, so these trend seems to be quite firm. However, in case taking price increase into account, the situation can not be taken lightly.

The following table shows a summary of GDP revised by the Consumer Price Index (CPI).

Annual Average Description 2002 2003 2004 Increasing Rate GDP Annual increasing rate 8.84% 8.82% 6.84% 10.79% 4.48% 3.81% 5.64% 3.98% 5.02% 1.20% 6.82% 4.35% Actual annual increasing rate GDP/capita Annual increasing rate 9.46% 7.47% 11.39% 9.44% CPI 3.81% 5.64% 3.98% 4.48% 4.96% Actual annual increasing rate 5.64% 1.83% 7.41%

GDP and Per Capita Production Revised by CPI

Both the actual GDO and the actual GDP Per Capita have been fluctuated around middle to upper end of 4 %. Accordingly, it may be appropriate that GDP will be increased around 5 % for the future too.

I.1.3 Transition of Industrial Structure and Tasks of Agricultural Sector

Industrial structure for the past several years can be expressed by the share rate of production (gross value added) (see Table I.1.1). Production of the agricultural sector (Agriculture/ Hunting/Forestry) has around remained on the same level until 2004, but has fallen in 2005 in the share rate to GDP. On the other hand, that in the manufacturing sector has increased constantly in production. The sector of Electricity/Gas/Water Supply has fallen in production in 2005, but the production has increased steadily even increasing rate is no so much great. The production of the sectors of (1) Trade/Repair of Vehicles/ Personal-Household Goods. (2) Hotels/Restaurants. Transport/Storage/Communications. (4) Financial Intermediation, Estate/Renting, (6) Public Administration/ Compulsory Social Security, (7) Education, (8) Health/Social Work are also increased steadily during past several years. Table I.1.2 shows a summary of share rates of production by economic activities to GDP.

Generally speaking, Bulgaria is a national commitment of agriculture. However, according to the above, the share rate of agricultural production to GDP is less than 10 %, and it has been fallen annually. In the year 2005, it has fallen to less than 8 %. It may be that to ensure the agricultural production is the most urgent task for the nation. For realizing it, development of incentives of farmers may be the most important factor. For this purpose, as well as governmental policy for increasing the agricultural production, to stabilize and accessibility of farmers to agricultural market are required to ensure.

I.1.4 Irrigation

According to the Agricultural Statistics, a share rate of irrigated agricultural area to total arable area is only 4 % as of 2005.

And, in so called potential irrigable areas (potential irrigation areas) where have formerly been laid down irrigation facilities as canals, the share rate of actual irrigated areas are, nevertheless discrepancies exist depending upon districts, and/or differs by year, less than 10 % in overall average in the whole nation.

Share rates of actual irrigated area to the total potential area in each irrigation branch are ranging from 1.29 % to 19.22 %, and 7.43 % in overall average (see Table I.1.3).

Each irrigation branch consists of several irrigation systems. According to this detail of irrigation systems, the share rate of the West Aegean River Basin is only 4.76 % and that of the East Aegean river Basin is 7.17 % in average.

Data indicated in Table I.1.3 comes only from Irrigation Systems PLC. Actually, there exist some the other irrigation water supply companies as Hydro Melioration-Sevlievo PLC, Zeminvest PLC as quasi-largest companies as well as small scale irrigation water supply companies located over the nation reached from 50 to 60 firms. The said 2 quasi-largest companies cover only 2% of supplied water volume, and remaining 98 % of irrigation water is supplied by the Irrigation Systems PLC. Supplied water volume by the smallest companies is not clear, but anyway, it may say that the data above indicates overall status of actual irrigated areas of the nation.

Through the Study, it has been made clear that the reason of low actuality ratings to the potential area caused by mal-function of irrigation facilities because of its deterioration and of lack of suitable operation and maintenance. As discussed in previous sub-clause, to develop the agricultural productivity is the urgent task in the nation. However, there will be a lot of matters to be solved as financing matters, farming skills of farmers and accessibility to the market, so that to prompt realization of improvement of the agricultural production will face to a lot of difficulties.

Based on the Study, it is assumed that the irrigation areas will be expanded by 20 % of the potential area in each river basin in average and this rate may be ceiling rate of irrigation improvement until the target year 2015.

I.1.5 Living Standard and Water Consumption

Average income level per household in Bulgaria, the level in 2001 has fallen from that in 2000, but after that the income level has been increased by 7.66 % annually, and it seems that the income per household has constantly been increased, as shown in table entitled as "Average Annual Income per Household and per Capita" in *Supporting Report F*.

Among them, the income level can illustrate as shown in Figure I.1.3. In a simple average, the income level has been increased by 7.66 % as discussed above. But the increasing rate has been decreased year by year, so that it may not be optimistic. And, during the same period, the CPI has fluctuated on the rate of 2.91 % in average, so that the actual increase of income is on a level of 4 %. Therefore, the increase of income is not so much.

On the other hand, expenditure per household is shown in the table entitled as "Average Annual Expenditure per Household and per Capita" in *Supporting Report F*. Share rate foods to the total expenditure has improved from 42 % in 2000 to 36 % in 2005 that almost the same level of developed countries as summarized in the following table. But, it is rather questionable.

Share Rate of Foods to the Total Expenditure in Bulgaria

	2000	2001	2002	2003	2004	2005
Engel Coefficient	42.09%	42.72%	40.30%	38.14%	36.98%	35.97%

According to a result of "Water Utility Survey" made by JICA Study Team in 2006, the share rate of expenditure for foods to the total expenditure is more than 50 % in both the Basins as shown in the following table, and it implies that the living of people may be in needy circumstances.

Share Rate of Expenditure for Foods to the Total Expenditure in Bulgaria

(Lev/HH per month) Income/HH Expenditure River Basin in Overall Food and Fuel Water Others Total Average Drinks 283.60 62.36 17.07 229.45 592.48 West Aegean 592.48 River Basin 47.87% 10.53% 2.88% 38.73% 100.00% 17.56 East Aegean 271.22 62.83 141.73 493.33 493.33 River Basin 54.98% 12.74% 3.56% 28.73% 100.00% 62.77 17.47 Both the 274.39 165.52 520.14 520.14 **Basins** 52.75% 12.07% 3.36% 31.82% 100.00%

Source: A result of "Water Utility Survey" made by JICA Study Team, 2006.

Provided that the share rate of expenditure for water of 3.36 % is in average based on answers for expenditure by items, and this may be expressed for expenditure for public water supply, and it may not expressed the expenditure for water in total. Almost of people purchase a bottled mineral water. Actual expenditure for water in total is, as shown in the table entitled as "Expenditure for Water in Grand Total" in *Chapter2.12*, at 27.32 Lev/HH per month in weighted average in both the Basins, and its share rate to the total has reached to 5.25 %.

Currently, consumed water volume has remained in low level as 92 ldc as of 2005 as shown in the following table. This is based on water charge collection record in water supply side, and so, it is the consumed water volume depending upon current public water supply systems. Namely, this consumed water volume may be the same amount of supplied water volume.

Changes of Consumed Water Volume by Public Water Supply Systems for the Past Several Year

						(ldc)
	2000	2001	2002	2003	2004	2005
Paid Water Volume	99	95	90	95	94	92

Source: Environmental Statistics, 2005, NSI.

Actual price of mineral water is 371 Lev/m³ as shown in the following table, so that the price 371 times of unit charge of water supplied by public water supply systems. Therefore, in case that the supplied water volume is enough for living, they must not purchase such expensive bottled mineral water.

Price of Bottled Mineral Water

	Unit Price of Bottled Mineral Water					
River Basin	Per Bottle	Per Litre	Equal:			
	(Lev/ 1.5 ℓ bottle)	(Lev/ℓ)	(Lev/m ³)			
West Aegean River Basin	0.58	0.39	386			
West Aegean River Basin	0.55	0.37	368			
Both the Basin	0.56	0.37	371			

Source: Water Utility Survey made by JICA Study Team, 2006.

On the other hand, according to the other result of the said "Water Utility Survey", the actual consumed water volume is 156 ldc (under the condition of 3.37 persons/HH in family scale for converting the consumed water volume per household per month) as shown in the following table. In other words, different water volume between 92 ldc and 156 ldc is to be covered by purchasing the said expensive bottled mineral water and/or some other source with heavy burden.

Actual Water Consumption

River Basin	Wat (m ³	Remarks: Conversion		
	Summer	Winter	Average	into ldc (Average)
West Aegean River Basin	17.55	12.45	15.00	148
East Aegean River Basin	18.77	13.25	16.01	158
Both the Basins	18.43	13.02	15.73	156

Source: A result of "Water Utility Survey" made by JICA Study Team, 2006.

One of wastewater treatment plants under construction is designed under the condition of 180 ldc of discharge volume. If the discharge volume is assumed at 90 % of consumed water volume, the consumed water volume is to be at 200 ldc. Taking into account of this as well as increase of consumed water volume for the future according to the current trend of water consumption as discussed above, it is assumed that envisaged consumed water volume will be increased by 220 ldc as of the target year 2015.

I.2 Economic Evaluation

I.2.1 Methodology

Economic evaluation is to be made by the following steps in this kind of project.

- To identify the economic benefit.
- To estimate basic unit value per unit for each benefit item.
- To estimate annual average economic benefit under the "With-" and "Without-Project" concept.
- To identify the economic benefit as differences of damages in "With-" and "Without-Project" conditions.
- To identify economic cost converted from the financial cost for the project.
- To compare the economic benefit with the economic cost of project, and evaluate the project feasibility or viability by means of some indices as the economic internal rate of return (EIRR), the net present value (B C), and B/C Ratio.

The EIRR is to be calculated using a cash flow of economic cost and economic benefit during the project life. This EIRR is defined by the following formula:

$$\sum_{t=1}^{t=T} \frac{C_t}{(1+R_e)^t} = \sum_{t=1}^{t=T} \frac{B_t}{(1+R_e)^t}$$

where, T = the last year of the project life, C_t = an annual economic cost flow of the project under study in year t, B_t = an annual benefit flow derived from the project in year t, and R_e = the Economic Internal Rate of Return (EIRR) (a discount rate to be used for costs resulted at the same amount of the benefits in terms of the present value).

When the resulted EIRR is the same rate with or higher than the discount rate applied for calculation of present value of both the benefit and cost, the project has a feasibility to execute.

Generally, the economic cost of a project is identified as opportunity cost of capital. In this case, if goods and services would be invested in the project under study, they could no longer be utilized for other projects. This implies that the benefits of the other projects could have been created would be sacrificed. These sacrificed benefits of the other projects are called opportunity cost of the project. The applied discount rate is generally considered as the same rate of the said opportunity cost of capital. Therefore, in a case that resulted EIRR is to be higher than the applied discount rateⁱ, it means that the economic reliability of the project is higher than a rate of opportunity cost of capital as the sacrificed benefit of the other project.

The NPV is expressed as "B-C" and defined by the following formula:

$$NPV = B - C = \sum_{t=1}^{t=T} \frac{B_t}{(1+R_e)^t} - \sum_{t=1}^{t=T} \frac{C_t}{(1+R_e)^t}$$

It means that, if the present value of the benefit subtracting by the present value of cost would become positive, then the project being under study will have a reliability to execute.

The B/C Ratio is defined by the following formula:

$$B/C = \sum_{t=1}^{t=T} \frac{B_t}{(1+R_e)^t}$$

$$\sum_{t=1}^{t=T} \frac{C_t}{(1+R_e)^t}$$

It means that, if the rate of the present value of the benefit dividing by the present value of the cost would become more than "1.00", then the project being under study will have a reliability to execute.

The project life is assumed at 50 years after completion of improvement works for 3 work components as (1) irrigation systems, (2) sewerage systems and (3) potable water supply systems. Cash flow of the economic cost and economic benefit should be made from the first year of the improvement works to the end of each project life.

In this case, annual operation and maintenance cost (O&M Cost) should be taken into account. And, some amount of replacement cost, if any, should also be taken into consideration since some parts of the initial works for the facilities may not be durable during the project life.

I.2.2 Identification of Economic Benefit

(1) Irrigation System Improvement

As discussed in the other chapters, it is said that all the water losses in the current irrigation systems are ranging from around 60 % to 70 %. Among the said losses, it is generally estimated that around 30 % and/or 40 % is caused by intake facilities and/or sewerage facilities. The irrigation System Improvement is for mitigation of these intake losses and distribution losses.

Here, it is assumed that the said saving water volume of losses may be used for expanded irrigation field. Accordingly, the benefit in the component of Irrigation System Improvement may be assumed as increased productivity of agricultural crops from the newly expanded irrigation field.

From the viewpoint of the above, current productivity of agricultural crops should be estimated first of all. Tables I.2.1 and I.2.2 show existing production of the agricultural crops in Bulgaria and a summary of cultivated area by major agricultural crops in recent years, respectively. Rates of the irrigated area against total cultivated area are only around 4 % or a little bit more of it. It means that almost of all the agricultural crops are produced in non-irrigated field. In those agricultural conditions, the productivity of crops is as shown in the following table together with weighted average amount of the whole major crops. In the crops, cereals and fodder are not cash crops (locally classified as "industry crops"). So, the weighted average amounts are estimated for the kind as that for the whole crops and that for crops without cereals and fodder.

					(Lev/ha)
Kind of Crops	2001	2002	2003	2004	2005
Cereal Crops	543	462	526	674	532
Industrial Crops	347	943	685	986	991
Fodder Crops	2,679	2,844	3,434	4,887	4,486
Vegetables	15,795	20,177	17,004	20,609	39,552
Popatoes	3,397	2,550	5,287	5,692	4,900
Fruits	6,742	7,045	9,141	7,859	13,715
Vine	0	6	8	9	8
Overall Weighted	1,068	1,094	1,179	1,276	1,229
Average (Lev/ha)	1,008	1,054	1,179	1,270	1,229
Without Irrigation		1,186			
Weighted Average Except	2,379	2,807	2,298	2,547	2,634
Cereal and Fodder	2,379	2,807	2,298	2,347	2,034
Without Irrigation			Annual Simple	e Average:	2,596

For estimating the agricultural economic benefit, the other productivity in irrigated field should be estimated. Regarding this, a study resultⁱⁱ may be available. According to this material, differences of productivity of crops have been made clear as shown in Table I.2.3. Based on the above data, the productivity of industrial crops (cash crops) can be estimated as shown in the following table.

Weighted Average Amount of Productivity of Cash Crops with Irrigation

					(Lev/ha)
	2001	2002	2003	2004	2005
Weighted Average Except Cereal	5,723	5,967	4,884	5,414	5,599
and Fodder with Irrigation —		Annual Simple Average:			5,518

Those amounts shown in the above table may be the gross farm gate income of farmers. But actually, the farmers invest their own cost for production as production cost as water cost, labor cost, fertilizer, machine rental fees etc., so the actual farm gate price should be estimated from this gross farm gate amount deducting the said production cost. The following table shows a summary of farmers' production cost.

Farmers' Production Cost by Crops

					(Lev/ha)
Irrigation Branch	Cereal	Industrial Crops	Vegetables	Fruits	Vine
Russe Branch	862	1,542	4,266	4,266	5,797
Pleven branch	817	2,653	4,813	4,111	5,521
Montana branch	920	2,486	4,924	4,301	4,867
Vratsa branch	920	2,486	4,924	4,301	4,867
Veliko Tarnovo branch	817	2,653	4,813	4,111	5,521
Shumen branch	969	2,549	4,960	4,350	4,942
Burgas branch	969	2,033	4,751	4,270	5,002
Varna branch	980	2,544	4,942	4,366	4,948
Pernik branch	917	2,437	0	3,198	0
Average	908	2,376	4,799	4,141	5,183
Weighted Average Production Cost per			3,102	at 2000-price level	
Unit Cultivated Area	2001	2002	2003	2004	2005
except Cereal and Fodder (Lev/ha)	3,252	3,376	3,566	3,708	3,948
Source: Irrigation System	ns PLC.				

In this case, following inflation rates are taken into consideration.

Annual Inflation Rate for Last 5 Years

	2001	2002	2003	2004	2005
Annual Inflation Rate	4.82%	3.81%	5.64%	3.98%	6.45%

Source: NSI.

Based on the above data, actual farm gate price of industrial crops may be estimated as shown below

Overall Average Annual Farm Gate Price of Industrial Crops

					(Lev/ha)
	2001	2002	2003	2004	2005
Annual Farm Gate Price of Industrial Crops	2,471	2,591	1,317	1,706	1,652

As a result, simple average farm gate price of industrial crops are estimated at amount of 1,947 Lev/ha. This amount may be utilized as basic unit of economic unit to be derived from improvement of irrigation systems. After making clear the area of expanded irrigation area (ha) due to improvement of irrigation systems, the economic benefit can be estimated by the expanded area multiplying the said basic unit of 1,947 Lev/ha.

(2) Wastewater Treatment System Improvement

Wastewater treatment system improvement (herein referred to "the Improvement of Sewerage Treatment Facilities and Sewerage Network" consists of (1) improvement of sewer networks and (2) rehabilitation and/or newly construction of wastewater treatment plants.

Economic Benefit Derived from Improvement of Sewer Networks

In current status of the existing sewer networks, it is highly possible that wastewater is leaked from the joint of pipelines in the earth because of deterioration of them, so that groundwater could be polluted seriously. The percentage of the loss in terms of BOD_5 are estimated at about 40 to 60 % for the sewer networks in EABD and WABD based on the analysis of the self-monitoring data of some of the existing WWTPs in EABD and WABD.

In Bulgaria, the groundwater is used a lot as potable water, so that in case of groundwater being polluted, it is the same meaning that the potable water is damaged. In other words, in case of mitigation of pollution for the groundwater, it becomes a great benefit for the people. Namely, purified groundwater is to be an economic benefit if it can be monetary value.

In both the West Aegean River and East Aegean River basins, unit water consumption volume per household per month is 15.73 m³ as shown in the table entitled as "Water Consumption of Public Water Users" in *Supporting Report F*, and household expenditure for water in total with bottled mineral water is already discussed in *Supporting Report F* as the amount of 27.32 Lev/HH per month as shown in the table entitled as "Expenditure for Water in Grand Total" in *Supporting Report F*.

Therefore, a unit value of potable water including bottled mineral water is estimated at 1.74 Lev/m³ as the end value of potable water, and this figure must be the basic unit for

ground water purification in the component of the Improvement of Sewerage Treatment Facilities and Sewerage Network.

And, it is assumed a unit value of groundwater as a raw water as 70 % of 1.74 Levs m³ of the unit value of potable water as discussed above, namely 1.22 Lev/m³ taking general and administrative cost and overhead cost of water supply companies into account. If the volume of wastewater reduction in groundwater can be estimated, the amount of economic benefit that should be derived from improvement works of drainage networks can be estimated.

Furthermore, improvement quantity of polluted groundwater is estimated by very much conservative way as described in *Supporting Report C*.

Here, it should be noted that the numerals of 1.74 Levs/m³ and 1.22 Levs/m³ are the values of potable water and groundwater as a raw water respectively, but not the prices, charges, and/or tariffs. Therefore, they are not expressed as "the price of potable water" or "the raw water price".

Economic Benefit Derived from Rehabilitation and/or Newly Construction of Wastewater Treatment Plants

The water quality in many portions of rivers in Bulgaria has to be improved. Construction of the wastewater treatment plants will be needed for making clear surface water (river water).

If the river water is purified due to construction of wastewater treatment plants, it means that clean raw water is kept over the future.

Here, it is assumed a unit value of raw water as 30 % of 1.74 Levs/m³ of the unit value of potable water as discussed above, namely 0.52 Lev/m³ taking cost for purification, general and administrative cost and overhead cost of water supply companies into account. If the newly treated wastewater volume can be estimated, the amount of economic benefit that should be derived from newly construction of wastewater treatment plants can be estimated.

Here, it should be noted that the numerals of 1.74 Levs/m³ and 0.52 Levs/m³ are the <u>values</u> of potable water and raw water respectively, but not the prices, charges, and/or tariffs. Therefore, they are not expressed as "the price of potable water" or "the raw water price".

Other Economic Benefit Derived from the Improvement of Sewerage Treatment Facilities and Sewerage Network

If the Improvement of Sewerage Treatment Facilities and Sewerage Network will be executed, a water environment is improved considerably. Therefore, water-related health problems are also expected to be decreased.

(a) Saving of Medical Expenses

Generally, when people get ill, they should come to medical facilities as hospital, clinic, or sometimes they should stop their working. If they come to such medical

facilities, they should pay out some medical expenses, and their income as salaries and/or wages should be decreased depending upon their visiting times or staying days in hospitals.

Due to decrease the suffering rate of health problems, the said payment and/or income loss can be saved, and these effects are also a kind of economic benefit.

Table I.2.4 shows a summary of status of patients of overall diseases. As shown in Table I.2.4, the inpatients have recorded ranging from 1,200,000 people to 1,600,000 people since 2000 to 2005. On the other hand, outpatients have recorded ranging from 6,100,000 people to 7,000,000 people during the same period. Average times to visit medical facilities of outpatients are 1.5 days (times) per year, and the average staying days of inpatients in hospitals are ranging from 7.9 days to 11.5 days. According to the data and information of medical statistics, cost for examination and expenditure for healthcare are estimated as shown in the following table.

Cost for Examination Together with Utility Cost of Medical Facilities and Expenditure for Healthcare per Capita

			(Lev/patient, at 2007 price level)						
	2000	2001	2002	2003	2004	2005			
Cost of Examination and	Utility Cost of He	ealth Facilitie	s (Lev/patier	nt per year)					
Outpatient	131.89	135.73	139.68	143.75	147.93	152.24			
Inpatient	6,784.66	6,982.10	7,185.28	7,394.37	7,609.54	7,830.98			
Expenditure for Health per Capita in Domestic Household (Lev/capita per year)									
	139.00	150.00	176.00	199.00	226.00	243.56			
Medical Expenditure per	Patient in Case of	f Water Born	Diseases*						
Outpatient	81.27	85.72	94.70	102.82	112.18	118.74			
Inpatient	2,077.10	2,139.63	2,208.38	2,278.01	2,350.66	2,422.36			
Unit Expenditure in Case	of Water Born	Outpatient	125.75	(Lev/patient f	or outpatients	s)			
<u>Diseases</u>		Inpatient	<u>2,565.39</u>	(Lev/patient f	or inpatients)	1			

⁽Remark)

Annual average number of patients is 248.73 people in outpatients and 51.27 people in inpatients. And, share rate of water-related health problems to overall health problems are assumed at 30 % according to the similar projects in other developing countries as mentioned "Remark" in the following table.

Number of Overall Patients in Bulgaria

					(Patients/1,000 people)				
Patient	2000 2001 200		2002	2003	2004	2005	Annual		
Patient	2000	2001	2002	2003	2004	2003	Average:		
Outpatients	257	255	252	249	243	237	248.73		
Inpatients	43	45	48	51	57	63	51.27		

Source: Medicaal Center of Health Informatics, Ministry of Health.

As discussed until here, the amount of 125.75 Lev/outpatient and 2,565.39 Lev/inpatient are the basic unit for estimation of saving amount of medical expenses

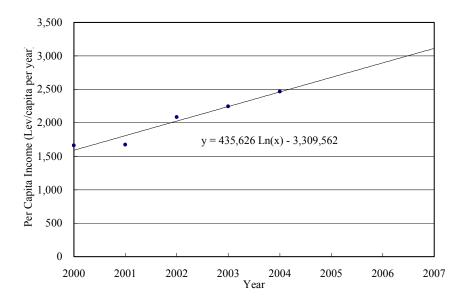
^{*}Share rate of water-related health problems to the total health problems suffered is assumed at 30% according to the similar projects in other developing countries.

as the other kind of economic benefit. Then, in case that the service population is cleared, the economic benefit can be estimated.

(b) Saving of Income Loss

As discussed above, when people should come to the some medical facilities, or should stop their working, their income should be decreased. Of course, some working places will pay salaries and/or wages for the staffs even they can not work because of illness in case that the workers could submit some medical certificate from the medical doctors. But, in this case, employers should pay salaries/wages to their employees without any productive working. So that, these losses are also belong to the income losses of workers.

Table I.2.5 shows a summary of present status of income per capita in Bulgaria according to statistics. Based on the trend curve shown below, the amount of per capita income level can be estimated as shown in the following table.



Trend of Per Capita Income in Bulgaria

Estimation of Per Capita Income Level in Bulgaria after 2004

						(Le	vs/year)
2000	2001	2002	2003	2004	2005	2006	2007
1,664	1,672	2,085	2,244	2,466	2,676	2,894	3,111

As a result, the average daily income of people is estimated at 12.96 Lev/capita based on the data as shown in the above table, and this amount may be utilized as a basic unit for estimation of saving amount of income losses.

Persons subject to estimate the income losses are only workable per household. Then, number of workable persons should be made clear. This has already made clear as 1.18 persons per household as shown in the table entitled as "Number of Workers per Household" in *Supporting Report F* in the total family size of 3.37 persons as shown in the table entitled as "Family Scale by River Basin" in

Supporting Report F. By using all the data discussed above and, in case that the service population is cleared, the economic benefit can be estimated.

(3) Improvement of Water Supply Systems

As shown in the table entitled as "Water Sector Status by Regions and Districts in 2004" in *Supporting Report F*, the water loss rate including the loss from intake points to purification points are ranging from 23.22 % to 79.90 %, and 61.59 % in average in Bulgaria.

According to the "Water Utility Survey" made by JICA Study Team in 2006, almost of all the households living in the West and East Aegean River basins pay out at around 36 % of total expenditure for water are for purchasing the bottled mineral water (West Aegean river basin: 40 %, East Aegean River basin: 35 %) as shown in the table entitled as "Status of Purchasing Bottled Mineral Water" in *Supporting Report F*.

The amount of payment for purchasing the bottled mineral water is ranging from 11.27 Lev/HH per month in the West Aegean River basin to 9.49 Lev/HH per month in the East Aegean River basin, and 9.85 Lev/HH per month in average as shown in the table entitled as "Expenditure for Water in Grand Total" in *Supporting Report F*.

On the other hand, price of bottled mineral water is 0.37 Lev/ ℓ and 370.52 Lev/m³ (= 0.37 Lev/ ℓ × 1,000). Almost of people purchase the bottled mineral water for compensation of shortage of public piped water.

Here, the amount of 370.52 Lev/m³ can be assumed as basic unit for estimation of economic benefit in the Improvement of Water Supply systems. In this case, the average share rate of expenditure of bottled mineral water to the total water expenditure is assumed at 30 % conservatively, and decreased rate of bottled mineral water to consume is assumed at 5 % also conservatively.

I.2.3 Identification of Economic Cost

Economic evaluation is made in 2 cases as (1) the case of the target year of 2015, the benefit will be derive in full amount in the year 2015 (hereinafter referred to as "the case of the target year of 2015"), and (2) the case of practical case of the year 2021, the benefit will be derive in full amount in the year 2021 (hereinafter referred to as "the practical case of the year of 2021"). The latter one means to be taken the progress of the works because of financial status of the Government into account. And, there are 3 components of water management works as (i) irrigation system improvement works, (ii) wastewater treatment System improvement works and (iii) potable water supply network system improvement works.

Accordingly, the annual disbursement of the project cost is estimate in 2 cases each. For estimation of economic cost, following conditions are taken into account.

(1) Irrigation System Improvement Works

Assumed Conditions

Engineering	g Cost:	10.00%	of direct cost.				
Administrat	ion Cost:	5.00%	of direct cost.				
Physical Co	ontingency:	10.00%	of direct cost.				
Value Adde	ed Tax:	20.00%	of the cost for equipment and materials.				
Share Rate	of Labors:						
For Const	ruction:	70.00%	of the construction cost.				
For Mach	inery:	20.00%	of the machinery cost.				
For Electr	ricity:	20.00%	of the electricity cost.				
Shadow W Labor:	age Rate of Unskilled	90.00%	based on domestic samples of construction works.				
	sonal Income Tax:	20.00%	according to the Tax Low in Bulgaria.				
Corporate In	ncome Tax:	15.00%	according to the Tax Low in Bulgaria.				
Standard Conversion Factor for Equipment:		97.17%	based on the statistics on International Trade and Consolidated Government Revenue and Expenditure, NSI.				
Price Escala	ation Rate:	2.91%	based on the CPI, NSI.				
Exchange Rates:	1.00 Bulgarian Lev =	0.5108	EURO according to the FOREX in OANDA.Com as of Aug. 31, 2007.				
	1.00 EURO =	1.9578	Bulgarian Lev (BGN) according to the FOREX in OANDA.Com as of Aug. 31, 2007.				
	1.00 EURO =	157.92	Japanese Yen according to the FOREX in OANDA.Com as of Aug. 31, 2007.				

Cost Allocation of In the Case of the Target Year of 2015

Table I.2.6 shows a summary of cost allocation. Details of the cost estimation are shown in *Tables 1 - 3* in *Annex I.1*.

Cost Allocation of In the Practical Case of the Year of 2021

Table I.2.7 shows a summary of cost allocation. Details of the cost estimation are shown in *Tables 4* - 6 in *Annex I.1*.

Operation and maintenance cost (OM Cost) is estimated at 5 % of direct cost including engineering service cost, administration cost and physical contingency. The following table shows its summary.

Summary of OM Cost for Irrigation System Improvement Works

(1,000 Lev)

		OM Cost			
Component	River Basin	In Financial Term	In Economic Term		
C (II)	West River Basin	4,117	3,346		
Component of Irrigation Improvement	East River Basin	22,591	18,335		
mprovement	Both 2 Basins	26,709	21,681		

The OM Cost shown in the above table should be needed after completion of the whole works. During the construction period, the OM Cost will be needed in proportion of the investment cost to the total construction cost.

(2) Wastewater Treatment System Improvement Works

Assumed Conditions

Engineering Cost:		10.00%	of direct cost in case of WWTP.				
		5.00%	of direct cost in case of Networks of Sewer Lines.				
Administration Cost:		5.00%	of direct cost.				
Physical Contingency:		10.00%	of direct cost.				
Value Added Tax:		20.00%	of the cost for equipment and materials.				
Share Rate of Labors:		15.00%	of the direct cost.				
Shadow Wage Rate of Un	nskilled Labor:	90.00%	based on domestic samples of construction works.				
Rate of Personal Income	Tax:	20.00%	according to the Tax Low in Bulgaria.				
Corporate Income Tax:		15.00%	according to the Tax Low in Bulgaria.				
Standard Conversion Fac Equipment:	etor for	97.17%	based on the statistics on International Trade and Consolidated Government Revenue and Expenditure, NSI.				
Price Escalation Rate:		2.91%	based on the CPI, NSI.				
Exchange Rates: 1.00 I	Bulgarian Lev =	0.5108	EURO according to the FOREX in OANDA.Com as of Aug. 31, 2007.				
1.00 1	EURO =	1.9578	Bulgarian Lev (BGN) according to the FOREX in OANDA.Com as of Aug. 31, 2007.				
1.00 1	EURO =	157.92	Japanese Yen according to the FOREX in OANDA.Com as of Aug. 31, 2007.				

Cost Allocation of In the Case of the Target Year of 2015

Table I.2.8 shows a summary of cost allocation. Details of the cost estimation are shown in *Tables 7 - 9* in *Annex I.1*.

Cost Allocation of In the Practical Case of the Year of 2021

Table I.2.9 shows a summary of cost allocation. Details of the cost estimation are shown in *Tables 10 – 12* in *Annex I.1*.

Operation and maintenance cost (OM Cost) is estimated at 7.5 % of direct cost including engineering service cost, administration cost and physical contingency for newly construction of wastewater treatment plants (WWTP), and 1.5 % of the cost for rehabilitation of sewerage pipeline networks. The following table shows its summary.

Summary of OM Cost for Wastewater Treatment System Improvement Work

(1,000 Lev)

					· /	
	_	OM Cost	for WWTP	OM Cost for Pipeline Networks		
Component	River Basin	In Financial	In Economic	In Financial	In Economic	
		Term	Term	Term	Term	
Wastewater	West River Basin	4,950	3,872	6,707	5,246	
Treatment System	East River Basin	12,942	10,122	18,049	14,116	
Improvement Works	Both the Basins	17,893	13,994	24,756	19,361	

The OM Cost shown in the above table should be needed after completion of the whole works. During the construction period, the OM Cost will be needed in proportion of the investment cost to the total construction cost.

(3) Potable Water Supply Network System Improvement Works

Potable water supply works are mainly controlled and managed by water supply and sewerage companies (WSSs) in each municipality, and the network systems are usually established in each municipality too. Data have been obtained at a total of 22 WWSs out of a total of 26, thus evaluation has been conducted for each WWS.

Assumed Conditions

Engineering Cost:		5.00%	of direct cost.				
Administration Cost:		5.00%	of direct cost.				
Physical Contingency:		10.00%	of direct cost.				
Value Added Tax:		20.00%	of the cost for equipment and materials.				
Share Rate of Labors:		25.00%	of the direct cost.				
Shadow Wage Rate of	Unskilled Labor:	90.00%	based on domestic samples of construction works.				
Rate of Personal Incon	ne Tax:	20.00%	according to the Tax Low in Bulgaria.				
Corporate Income Tax	:	15.00%	according to the Tax Low in Bulgaria.				
Standard Conversion F	Factor for Equipment:	97.17%	based on the statistics on International Trade and Consolidated Government Revenue and Expenditure, NSI.				
Price Escalation Rate:		2.91%	based on the CPI, NSI.				
Exchange Rates:	1.00 Bulgarian Lev =	0.5108	EURO according to the FOREX in OANDA.Com as of Aug. 31, 2007.				
	1.00 EURO =	1.9578	Bulgarian Lev (BGN) according to the FOREX in OANDA.Com as of Aug. 31, 2007.				
	1.00 EURO =	157.92	Japanese Yen according to the FOREX in OANDA.Com as of Aug. 31, 2007.				

Cost Allocation of In the Case of the Target Year of 2015

Table I.2.10 shows a summary of cost allocation.

Cost Allocation of In the Practical Case of the Year of 2021

Tables I.2.11 show a summary of cost allocation.

Operation and maintenance cost (OM Cost) is estimated at 1.5 % of direct cost including engineering service cost, administration cost and physical contingency. The following table shows its summary.

The OM Cost s should be needed after completion of the whole works. During the construction period, the OM Cost will be needed in proportion of the investment cost to the total construction cost

I.2.4 Economic Evaluation Result of Project and Conclusion

Economic evaluation for whole the Project is made by using a cash stream as mentioned above taking the said conditions and assumption in each component into account. In this case, project life is set at 30 years both for all the components after completion of the works. Discount rate is adopted at 10 % for all the components according to the similar project in developing countries based on a recommendation of World Bank (WB) (refer to the footnote 1 above).

Following table shows a summary of evaluation results. Details of the evaluation process are shown in *Tables 13* - 30 in *Annex I.1*.

Summary of Economic Evaluation Results

	River Basin/	In the Case of		In Practical Case of the Year 2021			
Component	Municipality	NPV (million Levs)	EIRR	B/C	NPV (million Levs)	n EIRR	B/C
Irrigation System	West Aegean River Basin	22	16.37%	1.41	14	15.23%	1.34
Improvement Works	East Aegean River Basin	106	15.77%	1.36	65	14.51%	1.29
WOIKS	Both 2 Basins	128	15.86%	1.37	79	14.63%	1.30
Wastewater Treatment	West Aegean River Basin	208	13.94%	1.34	208	14.03%	1.35
System Improvement	East Aegean River Basin	30	10.21%	1.02	108	10.79%	1.06
Works	Both 2 Basins	238	11.20%	1.10	316	11.67%	1.14
Potable Water Supply Network	West Aegean River Basin	339	15.06%	1.39	275	14.98%	1.41
System Improvement	East Aegean River Basin	1,813	17.80%	1.61	1,454	17.75%	1.63
Works	Both 2 Basins	2,152	17.19%	1.56	1,729	17.13%	1.58

Overall Evaluation

As shown in the above table, resulted EIRRs of 3 components of (1) Irrigation System Improvement Works, (2) Wastewater Treatment System Improvement Works and (3) Portable Water Supply Network System Improvement Works are higher than the applied discount rate of 10%. It means that all of these works have viability to execute even under so much conservative assumed conditions.

In other words, the improvement of water resources management belonging to the said works implies great values to get returns for the people living there. The people will have more disposable income, and this will contribute to the local economic activity because of increase of their purchasing power.

Some Consideration on Wastewater Treatment System Improvement Works

Generally, a benefit item on the groundwater as a water resource is not included for economic evaluation on the wastewater treatment system improvement project because of lack of data. Therefore, the evaluation result is not so much reliable to execute the project.

However, in this Project, data on wastewater water leakage volume to the ground affecting to pollute the groundwater quality from joints of existing drainage pipeline networks has been gotten during the Study period as discussed in previous sub-clause of 9.1.2 (2), so that it could be included in the economic evaluation as the economic benefit on keeping the quality of groundwater as potable water resource. Estimation of unit value of potable water and raw water for the potable water is for this purpose.

Here, there will be a question on unit value of ground water as raw water. As mentioned in the said previous sub-clause, it is assumed the unit value of raw water as 65 % of 1.74 Levs/m³ of the end unit value of potable water, namely 1.22 Lev/m³ taking general and administrative cost and overhead cost of water supply companies into account.

There must be one more question on a share rate of groundwater to use as a water resource for potable water. In the economic evaluation for this Project, all the groundwater to be purified by the recommended improvement works is adopted as the economic benefit, but this might be over-assumed. Then, a sensitivity test is made in case of (1) the Benefit: base case together with the Cost: base case, +10 %, and +20 %, (2) the Benefit: -10 % together with the Cost: base case, +10 %, and +20 %, (3) the Benefit: -20 % together with the Cost: base case, +10 %, and +20 % by each river basin in the target year of 2015 and in practical case of the year 2021. The following table shows a summary of the results of the said sensitivity test.

Summarized Results of Sensitivity Test

A. In the Case of Target Year 2015

West Aegean River Basin			East Aegean River Basin			Both the River Basins			
	Benefit			Benefit			Benefit		
Cost	Base	-10%	-20%	Base	-10%	200/	Base	-10%	-20%
	Case			Case		-20%	Case		
Base Case	13.94%	12.44%	10.86%	10.53%	9.28%	7.95%	11.20%	9.86%	8.46%
+10%	12.58%	11.16%	9.67%	9.39%	8.20%	6.94%	9.99%	8.72%	7.39%
+20%	11.40%	10.05%	8.62%	8.40%	7.26%	6.06%	8.94%	7.73%	6.45%

B. In Practical Case of the Year 2021

West Aegean River Basin			East Aegean River Basin			Both the River Basins			
	Benefit			Benefit			Benefit		
Cost	Base	100/	200/	Base	1.00/	200/	Base	100/	200/
	Case	-10%	-20%	Case	-10%	-20%	Case	-10%	-20%
Base Case	14.03%	12.54%	10.99%	10.79%	9.48%	8.11%	11.67%	10.32%	8.90%
+10%	12.68%	11.27%	9.81%	9.60%	8.36%	7.06%	10.44%	9.16%	7.81%
+20%	11.51%	10.18%	8.79%	8.57%	7.40%	6.15%	9.38%	8.16%	6.87%

Generally, EIRR should be higher than the rate of applied discount rate, namely a rate of opportunity cost of capital, for ensuring the viability of projects. As indicated in the above tables, even in the most pessimistic case under the conditions of the Benefit: -20 % and the Cost: +20 %, the resulted EIRRs are 8.62 % in the West Aegean River Basin and 6.06 % in the East Aegean River Basin in the case of target year 2015, and 8.79 % and 6.15 % respectively in practical case of the year 2021. And, in the case of both the river basins, those are 6.45 % in the case of target year 2015, and 6.87 % in practical case of the year 2021.

Such international financing institutions as the World Bank recommend that, even in non-commercial projects, the EIRR should be at least 5 % above from the viewpoint of Basic Human Needs. All the above results are higher than this hurdle with enough rooms. It means that the Wastewater Treatment System Improvement Works has a viability to execute from the viewpoint of Basic Human Needs too.

The Benefit: -20 % and the Cost: +20 % are both the negative conditions. Therefore, the most pessimistic case means the same case of the Benefit: -40 % with the Cost in base case. In other words, the most pessimistic case means the case of 60 % (=100 % - 40 %) of purified groundwater and others to be adopted as the economic benefit. From this viewpoint, the resulted EIRRs show the Project has viability to execute even in the most pessimistic case in both the river basins, namely under the condition of the Benefit: -40 % with the Cost in base case, from the viewpoint of Basic Human Needs.

I.3 Financial Analysis

I.3.1 Financial Status of Public Institutions Dealing with Water Works

(1) National Government Finance

Overall status of the finance of the national Government has already been discussed in *Supporting Report F*.

In addition to the above, it has been cleared the statement of revenue and expenditure of consolidated state budget as shown in Table I.3.1, and the table hereunder shows a summarized status of expenditures of consolidated state budget by expenditure group of activities. According to Table I.3.1, after settlement of account, the state budget has surpluses as around 1 million Levs in 2003, 655 million Levs in 2004, and 1,334 million Levs in 2005, even there exists some external loans.

An expenditure group of activity as "Housing, Public Utilities and Amenities, and Protection of Environment" may include a public works as water management. From this viewpoint, as shown in the following table, the amount of expenditure for this group has remained to share only at the level of around 4 % only of the total expenditure. Therefore, the Government will be able to afford to expend more for this sector taking the said surplus into account assuming that the said surplus will be kept for the future.

Expenditure of the Consolidated State Budget by Group of Activities

(1,000 Levs) 2003 2004 2005 **Expenditure Items** Share Share Share Amount Amount Amount Rate (%) Rate (%) Rate (%) 1,097,848 1,115,159 General Public Services 7.80% 7 34% 1.268.334 7.60% 2. Defence and Safety 1 787 722 12.71% 1,946,649 12.81% 2,080,281 12.47% 3. Education 1,504,681 10.70% 1,652,291 10.87% 1,814,829 10.88% 4. Health Services 1,697,681 12.07% 1,769,112 11.64% 2,008,604 12.04% Social Insurance 4,805,209 34.16% 5,238,371 34.47% 5,624,861 33.73% Housing, Public Utilities and Amenities, and Protection of 497,337 3.54% 586,271 725,775 4.35% 3.86% Environment Recreation, Cultural and 286,088 2.03% 303,738 2.00% 348,350 2.09% Religious Affairs Economic Activities and 1,668,011 11.86% 1,889,647 12.43% 2,121,887 12.72% Services Expenditure Non-Classified 724,207 5.15% 697,716 4.59% 685,563 4.11% Elsewhere 14,068,783 100.00% 15,198,954 100.00% 16,678,483 100.00% Expenditure in Total

Source: NSI.

(2) Finance of the Ministry of Environment and Waters

Tables I.3.2 – I.3.3 show summary of balance sheet and statement of revenue and expenditure of the Ministry of Environment and Waters for the past 2 years of 2003 and 2004. According to the former table, the budget scale of the Ministry was around at 79 million Levs in 2003 and 116 million Levs in 2004.

Among them, the actual cash flow scale was 93 million Levs in 2003 and 15 million Levs in 2004. But, for the year 2003, additional transfer comes from the national budget with a sum of 69 million Levs. On the other hand, a sum of 40 million Levs was recapitulated to the state budget.

In the revenue side, around 33 million Levs have accounted in the corporate income tax in 2003, but in 2004 it was zero accounted. This is too much fluctuated. If the financing situation of corporations dealing with water works under control of the Ministry of Environment and Waters is always stable to collect the charges, and stable in financing status, the Ministry can constantly collect the corporation tax, so that revenue of the Ministry will be stable too.

(3) Finance of EMEPA (PUDOOS)

The Enterprise for Management of Environmental Protection Activities (= EMEPA, locally called as abbreviated name of "PUDOOS". Herein after referred to as "PUDOOS" for convenient to the Bulgarian readers) is established as a legal entity under the Law on Environmental Protection Art. 60, Item 1 (published in the State Gazette No.91, September 25, 2002). It is non-profit enterprise in the sense of Art 62, Item 3 of the Commercial Act of the Republic of Bulgaria. The PUDOOS is the legal successor of the former "National Environment Protection Fund". The Statute of the PUDOOS was adopted by a Decree of the Council of the Ministers No.319 issued on December 29, 2003. Therefore, there exists its financial record from only 2004.

As shown in Figure I.3.1, environment protection works are financed by PUDOOS in Bulgaria. Financing fund of PUDOOS is based on several kinds of water tax collected from water suppliers. The fund comes to PUDOOS through the Ministry of Environment and Waters.

Table I.3.4 shows a summary of its financial status since 2004 till 2006. As shown in the table, the revenues based on the Water Act and the Waste Management Act share in 2004, 2005, 2006 are 61.06 % (33.04 % based on the Water Act and 28.02 % based on the Waste Management Act), 61.90 % (40.11 % and 21.79 %) and 77.43 % (59.66 % and 17.77 %) respectively. It means that the most of funds are coming from the water suppliers as the Irrigation Systems PLC, WW&WS Companies and so on.

Missions of PUDOOS are investment for several projects on environment protection based on application of enterprises dealing with environment protection works by means of loans and/or grants. Using the said funds collected, PUDOOS has financed to the projects as shown in columns of "Expenditure (Financing)" in the said table.

Reflecting the funding sources, the amounts of financing are also to the project on water works as 93.90 % (0 % for "Water Supply/Water Conduit", 3.95 % for "Improvement of

the Conditions of Water Resources", 65.31 % for "Conditions of Water Resources", 23.51 % for "Waste Structures" and 1.12 % for "Separate Collecting of Waste") in 2004, 90.52 % (12.92 %, 5.76 %, 50.60 %, 16.04 % and 5.20 %) in 2005, and 96.76 % (23.13 %, 6.41 %, 46.93 % and 6.69 %) in 2006. These financing trends are rather agreeable from the viewpoint of water works. But it is unable to make firm decision because of still short time after establishment of the enterprise.

(4) Finance of River Basin Directorates

Tables I.3.5 – I.3.8 show a summary of the West Aegean River Basin Directorate (WABD), the East Aegean River Basin Directorate (EABD), the Danube River Basin Directorate (DRBD) and the Black Sea River Basin Directorate (BSBD).

As shown in the said tables, their own revenue sources are quite limited. Almost of fund needed is coming from the Ministry of Environment and Waters as an item of "Transfer" in account. But, this contribution is almost the same level of amount as sums of 500,000 to 900,000 levs during past 4 years even if their scales and coverage territories are different with each other. And these amounts are quite small scale against their duties and missions.

Of course, the Ministry may give more amount fund to each Directorate based on the application and/or action plans of Directorates officially. However, because of lack of enough staffs and competent persons caused by short of fund, they can not make good action plans to be adopted by the Ministry.

According to information of officials of the Directorates, payment of their salaries and/or wages are sometimes delayed or not made. This should be improved for smooth performance of their duties and missions.

(5) Finance of Irrigation Systems PLC

The Irrigation Systems PLC (Co. LTD) is a public company of 100 % state owned enterprise subscribed by the Ministry of Agriculture and Food Supply dealing with irrigation water supply works. The Company supplies the irrigation water for 537,000 ha in total (around 98 % of whole irrigated agricultural area in Bulgaria) according to information of an official from the Company.

There are 21 irrigation branches under control of the Company, and each irrigation branch consists of several irrigation systems (irrigation blocks).

Table I.3.9 shows a summary of financial status of the Company for past several years. The Ministry of Agriculture and Forestry subscribes a capital of around 22 million Levs to 24 million Levs in each year since 2001 till 2005 as shown in the said table.

Scale of assets of the Company is around 130 million Levs since 2001 till 2005. However, the actual income level is less than 2 million Levs. And the level of current operating profit ranges from 20 thousand Levs in 2001 to 103 thousand Levs in 2003. The last operating profit was quite low comparing with the scale of the said total assets as only 46 thousand Levs in 2005 (only 0.04 % of the total assets in this year).

If the irrigation systems are improved and if the irrigation areas will be expanded as recommended in this Study, the said operating profit will be drastically increased, so that effect of subscription of the Ministry of Agriculture and Forestry will not be of any avail.

(6) Finance of WS&S Co.

According to information of officials of the Ministry of Public Works and Regional Development, there are around 60 water supply and sewerage companies (WS&S Co(s).) or more in Bulgaria. The WS&S Cos. are established mainly under control of the Ministry of Public Works and Regional Development. However, there are 3 types of the WS&S Cos. as (1) full operation by the state (100 % owned by the Ministry of Public Works and Regional Development), (2) joint operation of the Ministry and each Municipality, and (3) full operation by each Municipality (100 % owned by the Municipality) over the nation.

Among them, during the Study period, financing data on 49 firms have been collected consisting of (1) 13 firms of 100 % owned by the Ministry, (2) 16 firms of joint operation of the Ministry and each Municipality, and (3) 20 firms of 100 % owned by the Municipality.

Tables 101- 149 in Annex I.2 show their financing status by their balance sheets, and the attached Table I.3.10 shows a summary of balance sheets of them together with their service population in their territories.

(a) Subscribed Capital

Sofia WS&S PJS Co. (100 % under controlled by the Municipality of Sofia) has the largest scale subscribed capital among the 49 firms. However, the amount of assets in total is not the largest scale. Nevertheless, the firm has the largest service population as rounded at 1,150,000 reflecting a status of its territory. Under these situation, the firm's current operation profit is only 1.2 % of the total liability (= assets in total) with the amount of 174 thousand Levs.

Except Sofia WS&S PJS Co., 13 firms of 100 % owned by the Ministry and 16 firms of joint operation of the Ministry and each Municipality are the same level in subscribed capital.

Among the firms, the firms with the minimum level of the subscribed capital as only 5 thousand Levs (regulated by the Law concerned) are belonging to the firms of 20 firms of 100 % owned by the Municipality. It means to reflect the financial status of the Municipalities. Their current operation profits are negative in Strimon WS&S Co. Ltd. or slightly positive as 1 thousand Levs in Kresna WS&S Co. Ltd. or 6 thousand Levs in Stretcha WS&S Co. Ltd. By no means can it say that they are commercial enterprises from this viewpoint.

(b) Current Operating Profit

The current operating profit consists of that due to collect charges of water supply services and wastewater collecting services (namely, a charge for use the existing

drainage canals because of lack of wastewater treatment plants in current status in almost of their territories).

From the viewpoint of the current operating profit, 34 enterprises (69.39 % of 49 firms) registered their current operating profit of less than 1 % of the total liabilities (= amount of assets in total), and among them, 11 firms (32.35 % of 34 enterprises above) have registered negative operating profits. What is the meaning of management for commercial enterprises they have made? If they are private companies, they would have already gone bankrupt.

Considerable reasons for the above mentioned financing situation may be (1) unsuitable tariff systems, and (2) low charge collecting rates against bills. For the latter one, water supply systems should be included, so that charge payers should be made sure. Because that, all the level of current operating profit are the same level even they have several hundred thousand service population in 100 % state owned enterprises, in joint operation enterprises, and several thousand service population in 100 % municipality owned enterprises.

Revision of the tariff systems (or charging systems) may be needed based on the actual expenditure for water as discussed in *Supporting Report F*. People have paid a sum of 17.47 Levs/HH per month as actual expenditure for public piped water and a sum of 27.32 Levs/HH per month including bottled mineral water in total. Affordability of people to pay (ATP) must exist in-between of 17.47 Levs and 27.32 Levs), and charge collecting systems may be needed improved for avoiding omission of collection of charges. In addition, the water supply systems may be needed as mentioned above, so that charge payers should be made sure as mentioned above.

I.3.2 Tariff Systems

(1) Tariff Systems on Irrigation Water Supply Services

There are 2 tariff systems for irrigation water supply services in Bulgaria as (1) water supply services by gravity, and (2) water supply services by pumping systems. Table I.3.11 shows a summary of tariff systems for major suppliers as already mentioned above as "the Irrigation Systems PLC" and other suppliers together with 51 small scale suppliers.

As shown in the table, irrigation water supplied by gravity is charged at 0.08 Levs/m³ in average. On the other, the irrigation water supplied by pumping system is charged at 0.12 Levs/m³ to 0.28 Levs/m³ (0.21 Levs/m³ in average) with almost twice or 3 times of the charge of gravity supplied water. Following table shows a summary of the tariff systems of irrigation water supply services.

Summary of Tariff Systems of Irrigation Water Supply Services

As of 2005 (Leva/ m^3) Unit Price of Irrigation Water Gravity Water Supply Pumped Water Supply For For Enterprises of Irrigation Water Supply Agricultural Agricultural For Paddy For Paddy Crops Except Crops Except Paddy Paddy Irrigation Systems PLC. 0.0850 0.0165 0.1700 0.0170 Hydro Melioration-Sevlievo PLC. 0.0800 0.2000 0.1600 Zeminvest PLC. 0.0600 Other Small Scale Suppliers (Average) 0.0670 0.2113

Source: Ministry of Agriculture and Forestry.

The propriety of these tariff systems can not hastily be concluded. Leaving that aside, irrigation systems should be improved first of all so that payers of irrigation water charge can be ensured

(2) Tariff Systems on Potable Water Supply and Wastewater Collection Services

Table I.3.12 (3 sheets in one set) shows current water price together with charges for wastewater collection services by service providers abbreviated as WS&W Co(s) in the whole nation, and summarized as shown in the following table.

Summary of Potable Water and Wastewater Collection Services

						As o	f 2005 (I	Leva/m ³)
	W	ater Ta	ter Tariff Publiic _		Treatment Surcharge		Drainage Water Tariff	
Classification of Tariff	Indus- trial Sector	НН	User	Public User/ HH	Indus- trial Sector	Public User/ HH	Indus- trial Sector	Price to the other WS&S Co.
Tariff Level in Simple Overall Average	0.681	0.679	0.865	0.197	0.395	0.131	0.145	0.381

Source: Ministry of Public Works and Regional Development.

In the table, the term "Water Tariff" means the tariff for potable water supply services, the term "Treatment Surcharge" means the additional charge for potable water supply when the water is purified by pollution degree, and the term "Drainage Water Tariff" means the charge for wastewater collection services. And the term "Distribution Water Price to the Other WS&S Co." mean the selling price to the other WS&W Cos. It means that some of them have mutually traded the water with each other.

As shown in the table, the average potable water charge is around 0.70 Levs/m³ for both the industrial sector and for domestic household (HH). The potable water charges for public users as the Governmental entities are rather higher as 0.87 Levs/m³ in average too than that for the industrial sector and for HHs.

If the service providers have their own purification plants for potable water, they can set a surcharge entitled "Treatment Surcharge" to the charge for water supply as additionally

charges at the amount of 0.20 Levs/m³ for both the public users and HHs, and at 0.40 Levs/m³ for the industrial sector both in average as indicated above. However, among 56 services providers, only 41 providers (73.21 % to the total number of the service providers) have their own purification plants.

Comparing with those charges for potable water, the charge level of wastewater collection services are far low as 0.13 Levs/m³ for both the public users and HHs, and as 0.15 Levs/m³ for industrial sector both in average as shown in the above table.

(3) Water Tax

In addition to the above charges, the government has a water tax system as shown in Table I.3.13 This tax is levied for all the water use companies including the irrigation water suppliers and WS&W Cos. The taxes should be paid by the companies to PUDOOS as discussed in previous sub-clause through the Ministry of Environment and Waters via each River Directorate, and not by the end users.

The water tax is not paid by the end users, but paid by the companies as mentioned above. However, if the companies pay out this tax, the companies must make addition to the water charge for end users. From this viewpoint, the above mentioned water charges may include the water tax. But, from the tariff systems above, it can not be made to clear.

Anyway, this tax becomes one of funding sources for PUDOOS, and PUDOOS invest this fund to environment protection projects as discussed in previous sub-clause.

I.3.3 Recommendation

(1) Tariff Systems

According to information from officials of several entities of the Government, tariff systems as mentioned above are decided by the State Energy and Water Regulatory Commission based on applications of the services provider including WS&W Cos and so on.

The examination of the said application by the State Energy and Water Regulatory Commission seems not to be based on the financial status of the service providers, especially not to be based on cost for works, but based on welfare standard for the people. Of course, this is one of way to decide the tariff systems. However, this welfare standard is not clear too in current situation as far as information being available.

International financing institutions as the World Bank (WB) suggest that projects with collecting some charges should be base on recovery of cost for business. From this viewpoint, the examination of the said application and judgment process of the tariff systems should be made openly based on the financial status of the service providers, especially the cost for business as production, operation and maintenance, etc. Of course, affordability of people to pay (ATP) should be taken into consideration in this case. Regarding this, the WB has also recommended that upper limit of expenditure for potable water and for wastewater treatment services may be within 5 % of their income per household. This recommendation can also be taken into account as a reference.

(2) Finance of Service Providers

Current financial status of such services providers as the Irrigation Systems PLC, WS&S Cos, etc. have connection with the said tariff systems. Among the service providers taken in this Study, the Irrigation Systems PLC has the largest scale of assets in total as the amount of around 130 million Levs during these years since 2001. However, share rate of the current operating profit are ranging from 0.02 % in 2001 to 0.08 % in 2003, and last one is only 0.04 % in 2005 to the total liability (= assets) with amount of several deca-thousand Levs as 20,000 Levs in 2001, 103,000 Levs in 2003 and 46,000 Levs in 2005 as shown in Table I.3.9.

On the other hand, the share rate of the current operation profit WS&W Cos is negative as -0.07 % to the total liability (= assets) in total in simple overall average as of 2005 as shown in the attached Table I.3.10.

Repeatedly, by no means can it say that they are commercial enterprises from this viewpoint. For keeping self-supporting financing status as the commercial enterprises, it is expected that the share rates of current operating profit to the total liability (= assets) should be kept at least at around 2 % through 5 %, so that they can stand by themselves as the commercial enterprises.

If the irrigation systems and potable water supply systems are improved and if the irrigation areas will be expanded as recommended in this Study and water supply systems are improved as also recommended in this Study, the said current operating profit will be drastically increased, so that effect of subscription of the Ministry of Agriculture and Forestry and the Ministry of Public Works and Regional Development will not be of no avail.

(3) Water Pricing Policy

(a) Overview of the Current Status on Water Pricing and Water Consumed

As stated in the previous sub-clause, almost of 70 % of WS&S companies have registered their operating profits as less than 1 % of the assets in total, and 32 % of them have registered negative operating profit in current status. Considerable reasons for the above mentioned financing situation may be (1) unsuitable tariff systems, and (2) low charge collecting rates against bills.

From the viewpoint of current tariff systems, the average amount of unit tariff of portable water is 0.90 Levs/m³ (= 0.70 Levs/m³ of water charge + 0.20 Levs/m³ of treatment surcharge in case of purified water in WS&S companies having purification plants of water) as also stated in the previous sub-clause. In addition to this amount, the people should pay a sum of 0.13 Levs/m³ for both the public users and domestic households, and 0.15 Levs/m³ for industrial sector both in average for the wastewater collection services.

On the other hand, according to a result of "the Water Utility Survey" made by JICA Study Team, the average unit water charge of Public Water Supply System is 0.91 Levs/m³ in the West Aegean River Basin, 1.03 Levs/m³ in the East Aegean River

Basin, and 1.00 Levs/m³ in both the basins. These amounts may be reflected the existing tariff systems as mentioned above.

And, the people pay for potable water by the amount of 1.74 Levs/m^3 in total including expenditure for public piped water and bottled mineral water according to the other result of the said "the Water Utility Survey". They are paying out at 27.32 Levs/HH per month in total (= 15.75 Levs for public piped water + 11.57 Levs for purchasing bottled mineral water and for the other water sources). In the amount of 11.57 Levs, 9.85 Levs are for purchasing bottled mineral water only with a volume 26.59ℓ in average. Under this status, they are consuming the water at 156 litters per day per capita (ldc) (= 15.73 m³/HH per month of public piped water + 26.59 ℓ /HH per month of bottled mineral water).

According to the statistics, the annual income is 6,356 Levs/HH per annum as of 2004 (= 530 Levs/month) in overall average in the whole nation. And, according to the other result of the said "the Water Utility Survey", the average income per HH per month is calculated at 592.48 Levs in the West Aegean River Basin, 493.33 Levs in the East Aegean River Basin, and 520.14 Levs in both the basins as of 2006.

International financial institutions as the WB recommend that the upper limit of the amount of expenditure for water services consisting of potable water and sewerage services is 5 % of the income in domestic households (affordability of people to pay for water services). From this viewpoint, their current expenditure for services has already been reached to the affordable amount.

Under these situations, the water pricing policy in Bulgaria should be established.

(b) Background and Sample Calculation for Establishing the Water Pricing Policy

Also such international financial institutions as the WB recommend that the price for water services should be recovered the capital cost for the facilities of water services.

According to the cost estimates, it should be needed at the amount of 325,847,092 € (= 637,946,696 Levs) in this Project for improvement of existing potable water supply systems in total in sample 4 municipalities.

If the improvement works will be executed by financing a loan from some donors for the total Project cost under the terms of (1) repayment period: 30 years from commencement of the works, (2) annual interest rate: 2 % for the remaining loan amount in each year, (3) annual equal installment payment method for the principal, (4) grace period: 7 years, (5) commencement of the works: 2011 and (6) completion of the works: 2014, repayment schedule will be as follows:

Repayment Schedule in Case of Sample Loan Conditions

															(n	nillion	Levs)
Year in Order	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
Calendar Year	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
Investment					159	159	159	159									
Repayment of Principal	0	0	0	0	0	0	0	0	0	0	0	28	28	28	28	28	28
Payment of Interest	0	0	0	0	0	3	6	10	13	13	13	13	12	12	11	11	10
-																	
Year in Order	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34
Calendar Year	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040
Investment																	
Repayment of Principal	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28
Payment of Interest	9	9	8	8	7	7	6	6	5	4	4	3	3	2	2	1	1
Total amount of loan:	6	37,940	5,696	Levs													
Interest in total to be paid	2	10,522	2,410	Levs													
Total fund needed:	8	48,469	9,106	Levs	(annu	alized	amoui	nt of fu	ınd ne	eded:		28,282	2,304	Levs/	year)		

As indicated in the above table, the annualized fund needed in total is to be a sum of 28,282,304 Levs/year.

On the other hand, the saved volume of water loss is estimated at $22,061,229 \text{ m}^3$ due to the recommended improvement works. This volume can be supplied for the people additionally to the current supplied potable water. Then, the unit cost can be estimated as 1.28 Levs/m^3 (= 28,282,304/22,061,229).

However, there is current water supplied volume as 31,962,000 m³ in total of the said sample 4 municipalities. And, this water is supplied by using the existing water supply facilities constructed several decades ago. But, this cost is not available at present. Therefore, it is assumed that the cost of existing water supply facilities is 20 % of the cost of recommended improvement works in this Project, and present salvage value of the facilities is assumed at 10 %. Resulted cost may be applied as sank cost for the existing water supply facilities.

Taking the above sank cost, the unit cost of water consisting of (1) newly additional supplied water volume and (2) current water supplied volume can be estimated at $0.76 \text{ Levs/ m}^3 (= [28,282,304 + \{637,946,696x20 \%x 10\%\}] / [22,061,229 + 31,962,000]$). This amount is the basic unit cost covering only costs for facilities.

In addition to the said basic unit cost, the operation and maintenance cost (OM Cost) should be added. In this Project, it is assumed that the OM Cost of 1.5 % of the direct cost. So, this percentage is applied to the basic unit cost too. Resulted cost consisting of the basic unit cost and the OM Cost becomes 0.77 Levs/ m^3 (= 0.76x(1 + 1.5 %)). This cost may be said as "unit purified water cost" as a basis.

The WS&S companies have not only water supply facilities but also they have administration offices with staffs for general affairs, control and/or administration affairs, accounting affairs, personnel affairs and so on. In this Project, share rate of raw water value of the end value of water is assumed as 30 % in the economic evaluation. If the same manner is applied for setting up the unit price of water, the amount of 2.57 Levs/m^3 is resulted as selling price (= $0.77 \times 100\%/30\%$).

Finally, profit of the companies should be added to the said selling price. Here, if it is assumed at 10 % as a profit, final selling price of water becomes at 2.83 Levs/ m³ (=

2.57 Levs/ m³ x (1 + 10%). This is the final selling price of water in average during several years for balancing with the total cost for reservation of loan amount and all the cost of companies and profit of them. Therefore, it is not the firm gate price to directly sell to the customers. The tariff revision schedule should be set up taking the affordability of people to pay (ATP), and it should be revised step by step so that average amount of revenue becomes to balance with the loan amount as well as to stand the WS&S companies as commercial enterprises. From this meaning, the said amount of 2.83 Levs/ m³ may be called as the operation price of criteria to set up the tariff revision schedule for the future.

(c) Tariff Revision Schedule Taking ATP into Account

As discussed in the previous sub-clause, income of domestic household is around 520 Levs/HH per month as of 2006. This income level must be increased year by year.

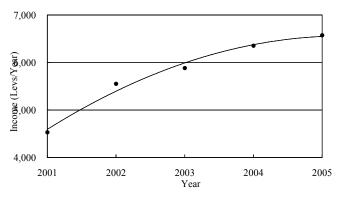
In Bulgaria, income level of domestic household has been increased ranging from 3 % to 23 % since 2001 till 2005 according to the statistics as shown in the following table.

Average Household Income in Bulgaria

		((Levs/H	IH per a	nnum)
Year	2001	2002	2003	2004	2005
Income/HH	4,532	5,556	5,887	6,356	6,577
Annual Increase	-	22.59%	5.96%	7.97%	3.48%

Source: Statistical Yearbook of Bulgaria 2005 and 2006.

And the following figure illustrates its trend using the above data.



Trend of Household Income

From this data, it can be expected to increase the household income with at least 3 % year by year for the future.

And designed consumed water volume is set as 220 ldc at the time of completion of the recommended improvement works in this Project. However, it is rather difficult to reach this designed consumed water volume at once, but it should be reached step by step after completion of the works.

If it is assumed that (1) the unit selling price of water will annually be increased corresponding to CPI (2.91 % per annum) until the time of completion of the works, and after that systematic tariff revision will be made, (2) the consumed water volume will not be changed until the time of completion of the works, and after it will gradually be increased in several years and reached to designed volume of 220 ldc in 2021, (3) share rate of expenditure for water will be 5 % to the income level at that time because of ATP, and (4) price level will be changed corresponding with the rate of income level, following projection can be made.

Trial Tariff Revision Schedule

Year in Order	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
Calendar Year	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
Selling Price of water (tariff, Levs/m ³)	1.00	1.03	1.06	1.09	1.12	1.15	1.19	1.22	1.47	1.47	1.76	1.76	1.79	1.80	1.82	1.87	1.93
Consumed Water Volume (ldc)*	155	155	155	155	155	155	155	155	164	174	183	192	201	211	220	220	220
Household Income (Levs/HH.month)**	536	552	568	585	603	621	640	659	678	699	720	741	764	787	810	834	859
Expenditure for Water in Total (Levs/HH)***	16	16	17	17	18	18	19	19	24	26	33	34	36	38	40	42	43
Share of Expenditure to Income (%)	2.93%	2.92%	2.92%	2.92%	2.92%	2.91%	2.91%	2.91%	3.59%	3.68%	4.52%	4.61%	4.77%	4.88%	5.00%	5.00%	5.00%
Year in Order	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34
Calendar Year	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040
Selling Water Price (Levs/m³)	1.99	2.05	2.11	2.17	2.24	2.31	2.37	2.45	2.52	2.59	2.67	2.75	2.84	2.92	3.01	3.10	3.19
Consumed Water Volume (ldc)*	220	220	220	220	220	220	220	220	220	220	220	220	220	220	220	220	220
Household Income (Levs/HH.month)**	885	912	939	967	996	1,026	1,057	1,089	1,121	1,155	1,190	1,225	1,262	1,300	1,339	1,379	1,421
Expenditure for Water in Total (Levs/HH)***	44	46	47	48	50	51	53	54	56	58	59	61	63	65	67	69	71
Share of Expenditure to Income (%)	5.00%	5.00%	5.00%	5.00%	5.00%	5.00%	5.00%	5.00%	5.00%	5.00%	5.00%	5.00%	5.00%	5.00%	5.00%	5.00%	5.00%

⁽Note) *: Starting consumed water volume = 156 ldc - (26.59 ℓ /30 days)

(Note) ***: Average family size = 3.37 persons/HH.

(d) Check of Operating Profit of WS&S Companies

If the operating profit is corresponding to the selling price of water directly, the share rate of operating profit of WS&W companies will become 1.47 times in 2015 and 3.19 times in 2040 in terms of gross profit on their account book. However, 0.77 Levs/m³ should be kept aside as reserve for repayment for loan and the expenditure for the OM Cost, so that the net share rate will be less than the said rates.

Furthermore, the selling price cannot be increased without any restriction because of limitation from the viewpoint of affordability of people to pay for water. To get the said operation price of criteria of 2.83 Levs/m³, if it is applied the same manner as discussed in the previous section (3), it should be continued by the year 2053 over the 39 years from the first revision in 2015 as shown in the following table.

Trial Tariff Revision Schedule to Get Operation Price of Criteria

								_								(Lev	$/s/m^3$)
Year in Order	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
Calendar Year	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
Selling Price of water (tariff, Levs/m ³)	1.00	1.03	1.06	1.09	1.12	1.15	1.19	1.22	1.47	1.47	1.76	1.76	1.79	1.80	1.82	1.87	1.93
Year in Order	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34
Calendar Year	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040
Selling Price of water (tariff, Levs/m ³)	1.99	2.05	2.11	2.17	2.24	2.31	2.37	2.45	2.52	2.59	2.67	2.75	2.84	2.92	3.01	3.10	3.19
Year in Order	35	36	37	38	39	40	41	42	43	44	45	46	47	Ave	rage		
Calendar Year	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	Pr	ice		
Selling Price of water (tariff, Levs/m ³)	3.29	3.39	3.49	3.59	3.70	3.81	3.92	4.04	4.16	4.29	4.42	4.55	4.69	2.8	33		

Anyway, the financial status of WS&S companies for the future must be improved than that in present status because that general and administration cost, overhead cost and profit would have been gotten over the period.

⁽Note) **: Annual increase rate = 3 %, and 520 Levs/HH per month in 2006 is applied as a basis.

The method discussed above is just an example for setting up the tariff and the tariff revision schedule. It is expected that the methodology and how to consider are taken into account for setting the water price.

(e) Principles for Establishing the Water Pricing Policy

As discussed above, for establishing the water pricing policy, following principles should be taken into account:

- The capital cost should be recovered by the revenue due to charge collection even taking time for long term including the interest for loan amount in case of financing by some loans.
- To set up the tariff systems, the price of water should be taken the affordability of people to pay (ATP) for water into account. Therefore, the tariff revision schedule is limited by the ATP.
- To set up the tariff systems, the price of water should be taken the general and administration cost, overhead cost and the profit of enterprises so that they can financially support themselves.

(4) Establishment of New Public Enterprise

As mentioned above, PUDOOS is a public enterprise for financing to environment protection projects collecting several types of water taxes from the enterprises that use waters for commercial purposes.

Share rate of water taxes to the total funding sources is ranging from 61 % in 2004 to 77 % in 2006 with amount of 30 millions Levs or more as discussed in previous sub-clause, and PUDOOS are financing for environment protection projects not only of water works but also for air pollution, and protecting for biodiversity and son on by use of this fund

Regarding this, one of the alternatives is to establish a new Public Enterprise of Water Works, so that the said fund will be able to use for water works only. Its function may be almost the same with current PUDOOS, but this new Public Enterprise of Water Works can invest and finance for the projects for water environmental protection only including sustainable water resources development.

If the irrigation systems and potable water supply systems are improved and if the irrigation areas will be expanded as recommended in this Study and water supply systems are improved as also recommended in this Study, the amount of the said water taxes will be drastically increased. And if theses fund can be used for the improvement of the said systems, the amount of the said water taxes will further be increased. This is called as "Extended Reproduction", and the commercial enterprises should consider the Extended Reproduction during their business. The said new Public Enterprise of Water Works will carry out key function of the Extended Reproduction.

The said new public enterprise may include a function of decision of tariff systems, so that the tariff systems can be reflected the financial status of the service providers. Also in this case, the examination of the application from the enterprises to use waters and judgment process of the tariff systems should be made openly based on the financial

status of the enterprises, especially the cost for business as production, operation and maintenance, etc. taking affordability of people to pay (ATP) should be taken into consideration.

References

¹ The World Bank says that "the discount rate reflects the rate of fall of the value of consumption over time.(William A. Ward and Barry J. Deren, Ed. "*The Economics of Project Analysis -A Practitioner's Guide-*" IBRD Technical Paper).

Regarding the EIRR, the Asian Development Bank (the ADB) says that "the projects have viability when the resulted EIRR exceeds the Opportunity Cost of Capital (the OCC). In almost the developing countries, the most likely EIRR is ranging from 8 % to 12 %. Therefore, there will be no any issues if the resulted EIRR exceeds the 12 % to execute the projects, but if the resulted EIRR is less than the rate of 12 %, it is required some specified explanation concerning the benefits that could not be converted into monetary terms." ("Occasional Papers -Economic and Financial Appraisal of Bank Assisted Project" ADB Appraisal Paper No.11, January 1978).

Also regarding the EIRR, the World Bank says that "if the OCC (in other words, "the EIRR") is resulted at 5 % except the non-commercial projects, it is too low. But if it is resulted at 20 %, it is too much. Usually, the World Bank adopts the rate of 10 %." (Warren C. Baum and Stokes M. Tolubert, Ed. "Investing in Development -Lessons of World Bank Experiences-" IBRD, June 1985).

Anyway, unless the amount of cost and benefit are not changed in the same project, always a certain EIRR is to be resulted even if any discount rate is applied. In other words, the EIRR has a meaning to avoid arbitrariness of the B/C ratio.

ii "Study on Productivity" made by "Irrigation Systems PLC.", 2000.

Supporting Report I

Tables

Table I.1.1 Fluctuation of Share Rate of Production by Economic Activities to GDP in the Past Several Years

(million Lev)											
		S Value A									
Economic Activity Group	A	ctivity G	roup at E	Basic Pric	ces						
, I	2001	2002	2003	2004	2005						
Agriculture/Hunting/Forestry	3,520	3,445	3,485	3,576	3,327						
Fishing	13	14	14	14	14						
Mining/Quarrying	403	412	440	530	566						
Manufacturing	4,606	4,966	5,516	5,989	6,750						
Electricity/Gos/Water Supply	1,591	1,634	1,652	1,722	1,626						
Construction	1,203	1,276	1,364	1,668	2,026						
Trade/Repair of Motor Vehicles/	1,937	2,105	2,186	2,506	2,950						
Personal-Household Goods	1,757	2,103	2,100	2,500	2,750						
Hotels/Restaurants	535	563	625	713	899						
Transport/Storage/Communications	3,386	3,950	4,166	4,570	4,952						
Financial Intermediation	831	986	1,147	1,382	1,682						
Real Estate/Renting	4,391	4,751	4,844	5,189	5,568						
Public Administration/	1,754	1,958	2,132	2,351	2,457						
Compulsory Social Security	1,/34	1,750	2,132	2,331	2,737						
Education	1,073	1,127	1,194	1,336	1,404						
Health/Social Work	661	858	960	998	1,031						
Other	450	480	503	626	771						
Community/Social/Personal	430	400	303	020	//1						
Total	26,356	28,526	30,227	33,169	36,023						
Adjustment	3,354	3,809	4,319	5,106	5,925						
FISIM*	-539	-596	-753	-1,043	-1,360						
Import Duties	195	188	231	292	372						
Net Taxes on Products	1,057	1,143	1,434	1,938	2,115						
VAT	2,641	3,073	3,407	3,918	4,798						
GDP at Market Prices	29,709	32,335	34,547	38,275	41,948						

(Note) *FISIM = Financial Intermediation Services Indirectly Measured.

Source: Statistical Yearbook, 2006, NSI.

Table I.1.2 Change of Share Rates by Economic Activities to GDP

Economic Activity Group	Share Rate of Gross Value Added in Each Economic Activity Group to the Total Gross Value Added											
Economic Activity Group	2001	2002	2003	2004	2005	Average						
Agriculture/Hunting/Forestry	11.85%	10.66%	10.09%	9.34%	7.93%	9.97%						
Fishing	0.04%	0.04%	0.04%	0.04%	0.03%	0.04%						
Mining/Quarrying	1.36%	1.28%	1.27%	1.38%	1.35%	1.33%						
Manufacturing	15.50%	15.36%	15.97%	15.65%	16.09%	15.71%						
Electricity/Gos/Water Supply	5.36%	5.05%	4.78%	4.50%	3.88%	4.71%						
Construction	4.05%	3.95%	3.95%	4.36%	4.83%	4.23%						
Trade/Repair of Motor Vehicles/ Personal-Household Goods	6.52%	6.51%	6.33%	6.55%	7.03%	6.59%						
Hotels/Restaurants	1.80%	1.74%	1.81%	1.86%	2.14%	1.87%						
Transport/Storage/Communications	11.40%	12.22%	12.06%	11.94%	11.81%	11.88%						
Financial Intermediation	2.80%	3.05%	3.32%	3.61%	4.01%	3.36%						
Real Estate/Renting	14.78%	14.69%	14.02%	13.56%	13.27%	14.07%						
Public Administration/ Compulsory Social Security	5.90%	6.06%	6.17%	6.14%	5.86%	6.03%						
Education	3.61%	3.49%	3.46%	3.49%	3.35%	3.48%						
Health/Social Work	2.23%	2.65%	2.78%	2.61%	2.46%	2.54%						
Other	1.51%	1.48%	1.46%	1.63%	1.84%	1.59%						
Community/Social/Personal	1.3170	1.4670	1.4070	1.0370	1.0470							
Total	88.71%	88.22%	87.50%	86.66%	85.87%	87.39%						
Adjustment	11.29%	11.78%	12.50%	13.34%	14.13%	12.61%						
FISIM*	-1.82%	-1.84%	-2.18%	-2.72%	-3.24%	-2.36%						
Import Duties	0.66%	0.58%	0.67%	0.76%	0.89%	0.71%						
Net Taxes on Products	3.56%	3.54%	4.15%	5.06%	5.04%	4.27%						
VAT	8.89%	9.50%	9.86%	10.24%	11.44%	9.99%						
GDP at Market Prices	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%						

(Note) *FISIM = Financial Intermediation Services Indirectly Measured.

Source: Statistical Yearbook, 2006, NSI.

Table I.1.3 Potential Area and Fluctuated Actual Irrigated Area

Irrigation	Potential Irrigation – Area (ha)	Actual Irrigated Area (ha)									
Branch	Area (ha)	2000	2001	2002	2003	2004	2005	Average	Portion (%)		
Burgas	19,922	1,390	499	379	349	63	64	457	2.29%		
Varna	17,246	3,276	2,301	2,849	3,306	485	757	2,162	12.54%		
Veliko Tarnovo	42,683	3,807	395	396	1,216	862	77	1,126	2.64%		
Vidin	20,737	1,208	782	870	822	306	34	670	3.23%		
Vratsa	47,224	4,949	1,835	720	1,085	1,103	290	1,664	3.52%		
Gotse Delchev	16,809	8,656	1,858	1,070	3,131	2,654	2,010	3,230	19.22%		
Dupnitsa	26,317	5,324	1,166	516	678	654	198	1,423	5.41%		
Montana	22,750	626	842	477	349	325	163	464	2.04%		
Pazardzhik	57,799	20,161	11,476	6,676	9,784	10,046	5,451	10,599	18.34%		
Pernik	16,045	1,542	570	368	426	331	339	596	3.72%		
Pleven	53,127	8,254	3,732	2,668	3,452	2,874	651	3,605	6.79%		
Plovdiv	106,878	30,600	24,792	12,441	20,024	17,598	9,233	19,115	17.88%		
Ruse	57,573	895	961	710	1,317	446	137	744	1.29%		
Sandanski	15,790	3,657	2,097	1,923	1,172	1,220	1,140	1,868	11.83%		
Sliven	199,816	9,738	5,595	4,880	5,469	2,408	1,557	4,941	2.47%		
Sofia	29,555	1,726	819	827	824	985	624	967	3.27%		
Stara Zagora	75,404	16,693	11,782	4,844	3,527	1,611	957	6,569	8.71%		
Targovishte	26,123	5,001	2,497	2,027	3,979	2,718	933	2,859	10.95%		
Haskovo	50,059	7,474	3,486	3,710	5,597	5,365	2,988	4,770	9.53%		
Shumen	37,398	2,312	2,512	2,113	3,475	1,629	604	2,107	5.64%		
Yambol	37,421	4,543	1,949	3,048	3,470	1,609	1,170	2,631	7.03%		
Total	976,673	141,834	81,946	53,513	73,451	55,289	29,376	72,568	7.43%		

(Remarks) West Aegean River Basin. East Aegean River Basin.
(Note) Some irrigation branches cover several municipalities located in other river basins.

Source: Irrigation Systems PLC.

Table I.2.1 Current Cultivated Area in Bulgaria for the Past Several Years

					(ha)
Kind of Crops	2001	2002	2003	2004	2005
Cereal Crops	1,824,265	2,148,003	1,709,706	1,838,956	1,735,973
Industrial Crops	389,742	471,013	659,632	592,765	635,003
Fodder Crops	43,306	50,213	58,501	29,629	32,212
Vegetables	56,550	55,767	61,762	45,785	24,345
Popatoes	48,448	51,886	29,754	30,676	23,999
Fruits	61,596	54,055	39,764	38,454	26,343
Vine	119,719	109,423	89,736	79,531	76,740
Total	2,543,626	2,940,360	2,648,855	2,655,796	2,554,615
Total Except	676,055	742,144	880,648	787,211	786,430
Cereal and	070,033	742,144	880,048	767,211	780,430
Rate of Irrigated Land (%)	-	-	4.30%	-	4.10%

Table I.2.2 Average Productivity by Crops for the Past Several Years

					(Lev/ha)
Kind of Crops	2001	2002	2003	2004	2005
Cereal Crops	543	462	526	674	532
Industrial Crops	347	943	685	986	991
Fodder Crops	2,679	2,844	3,434	4,887	4,486
Vegetables	15,795	20,177	17,004	20,609	39,552
Popatoes	3,397	2,550	5,287	5,692	4,900
Fruits	6,742	7,045	9,141	7,859	13,715
Vine	0	6	8	9	8_
Overall Weighted	1,068	1,094	1,179	1,276	1,229
Average (Lev/ha)	1,008	1,094	1,179	1,270	1,229
Without Irrigation		Α	nnual Simple	e Average:	1,186
Weighted Average Except	2,379	2,807	2,298	2,547	2,634
Cereal and Fodder	2,379	2,807	2,298	2,347	2,034
Without Irrigation		A	nnual Simple	e Average:	2,596

Table I.2.3 Comparison of Production With and Without Irrigation

			As of 2	000 (kg/dca)
Cereal	Wheat	Maize	Barley	Average
Without Irrigation	323	267	307	Imroved
With Irrigation	386	386	386	Rate (Times)
Improved Rate	1.20	1.44	1.26	1.30
Industrial Crops	Sunflower	Tobacco	Sugar cane	Average Imroved
Without Irrigation	137	51	1,862	Rate
With Irrigation	200	137	3,171	(Times)
Improved Rate	1.45	2.69	1.70	1.95
Vegetables	Tomato	Pepper		Average
Without Irrigation	438	306	•	Imroved
With Irrigation	3,326	1,939		Rate (Times)
Improved Rate	7.60	6.33		6.97
Fruits	Alfalfa	Apple	Peach	Average
Without Irrigation	327	652	614	Imroved
With Irrigation	1,008	1,209	1,309	Rate (Times)
Improved Rate	3.09	1.86	2.13	2.36
Vine	Vine	_		Average
Without Irrigation	533			Imroved
With Irrigation	731			Rate (Times)
Improved Rate	1.37			1.37
Overall Improveme Fodder:	ent Rate exce	pt Cereal	and	2.13

Source: Irrigation Sysyems PLC.

Table I.2.4 Number of Patients of Overall Diseases in Bulgaria

		2000	2001	2002	2003	2004	2005
	0 - 17	1,334,900	1,369,500	1,366,400	1,371,238	1,370,360	1,369,286
Total Population	Over 18	6,814,600	6,521,600	6,479,500	6,430,062	6,390,640	6,349,514
	Total	8,149,500	7,891,100	7,845,900	7,801,300	7,761,000	7,718,800
Registered Cases of Diseases in Health	0 - 17	4,031,535	4,208,787	4,098,988	4,146,642	4,157,513	4,168,383
Facilities by Age	Over 18	6,874,991	6,628,268	6,653,530	6,581,320	6,505,536	6,429,753
(Total Number of Cases)	Total	10,906,526	10,837,055	10,752,518	10,727,962	10,663,049	10,598,136
Number of Hospitalized Patients	0 - 17	193,861	195,162	213,813	218,571	247,651	308,107
(Discharged and Deceased) in Health	Over 18	987,236	990,765	1,042,744	1,115,127	1,225,980	1,306,206
Facilities by Age (Number of Inpatients in Total)	Total	1,181,097	1,185,927	1,256,557	1,333,698	1,473,631	1,614,313
Registered Cases of Diseases in Health	0 - 17	3,837,674	4,013,625	3,885,175	3,928,071	3,909,862	3,860,276
Facilities as Outpatients by Age	Over 18	5,887,755	5,637,503	5,610,786	5,466,193	5,279,556	5,123,547
(Total Number of Patient-Cases)	Total	9,725,429	9,651,128	9,495,961	9,394,264	9,189,418	8,983,823
	0 - 17	1,141,039	1,174,338	1,152,587	1,152,667	1,122,709	1,061,179
Total Number of Outpatients	Over 18	5,827,364	5,530,835	5,436,756	5,314,935	5,164,660	5,043,308
	Total	6,968,403	6,705,173	6,589,343	6,467,602	6,287,369	6,104,487
Times of Visits to Health Facilities of	0 - 17	3.36	3.42	3.37	3.41	3.48	3.64
Outpatients (days)	Over 18	1.01	1.02	1.03	1.03	1.02	1.02
Outpatients (days)	Total	1.40	1.44	1.44	1.45	1.46	1.47
Lengths of Stay in Health Facilities of Ir	patients (days)	11.50	11.50	9.20	8.80	8.30	7.90

Source: Medicaal Center of Health Informatics, Ministry of Health.

Table I.2.5 Per Capita Income Level in Bulgaria during Past Several Years

Income Source	2000	2001	2002	2003	2004
Ordinary Income	1,574	1,589	1,985	2,129	2,298
Wages ans Salaries	612	631	742	852	924
Other Earnings	83	80	85	82	90
Enterpreneurship	70	66	85	89	90
Property Income	12	11	13	12	17
Unemployment Benefits	18	19	16	11	10
Pensions	337	377	398	439	509
Family Allowance	13	11	10	12	15
Other Social Benefits	19	21	32	27	36
Households Plot	262	238	392	388	372
Property Sale	7	7	9	14	11
Miscellaneous	141	128	203	203	224
Interest Income	55	47	60	52	84
Loans and Credits	30	32	37	58	80
Loans Repaid	5	4	3	5	4
Total	1,664	1,672	2,085	2,244	2,466

Source: Statistical Yearbook of Bulgaria 2005.

Table I.2.6 Annual Disbursement of Project Cost for Irrigation System

Improvement Works in Financial and Economic Terms in the Case of the Target

Year of 2015

A. West Aegean River Bas	sin				
Cost Item	Total Cost	2011	2012	2013	2014
In EURO (€) Total Financial Cost excl. Price Escalation	42,061,574	10,515,393	10,515,393	10,515,393	10,515,393
Total Economic Cost excl. Price Escalation	34,184,935	8,546,234	8,546,234	8,546,234	8,546,234
In Bulgarian Lev (Lev) Total Financial Cost excl. Price Escalation Total Economic Cost excl. Price Escalation	82,348,570 66,927,608	20,587,142 16,731,902	20,587,142 16,731,902	20,587,142 16,731,902	20,587,142 16,731,902
B. East Aegean River Bas		, ,	, ,	, ,	, , , , , , , , , , , , , , , , , , , ,
Cost Item	Total Cost	2011	2012	2013	2014
In EURO (€) Total Financial Cost excl. Price Escalation Total Economic Cost excl. Price Escalation	230,779,275 187,300,452	57,694,819 46,825,113	57,694,819 46,825,113	57,694,819 46,825,113	57,694,819 46,825,113
In Bulgarian Lev (Lev) Total Financial Cost excl. Price Escalation Total Economic Cost excl. Price Escalation	451,821,972 366,698,698	112,955,493 91,674,674	112,955,493 91,674,674	112,955,493 91,674,674	112,955,493 91,674,674
C. Both the Basins					
Cost Item	Total Cost	2011	2012	2013	2014
In EURO (€)					
Total Financial Cost excl. Price Escalation Total Economic Cost	272,840,849	68,210,212	68,210,212	68,210,212	68,210,212
excl. Price Escalation	221,485,387	55,371,347	55,371,347	55,371,347	55,371,347
In Bulgarian Lev (Lev) Total Financial Cost excl. Price Escalation Total Economic Cost	534,170,542	133,542,636	133,542,636	133,542,636	133,542,636
excl. Price Escalation	433,626,306	108,406,576	108,406,576	108,406,576	108,406,576

Table I.2.7 Annual Disbursement of Project Cost for Irrigation System

Improvement Works in Financial and Economic Terms in the Practical Case of the

A. West A	A. West Aegean River Basin	asin									
Cost Item	Total Cost	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
In EURO (€)	()										
Total Finar	ncial Cost excl.	Д						1000	1000		
Total Eggs	42,061,5/4	42,061,5/4 4,206,15/ Total Economic Cort and Price Economics	4,206,157	4,206,157	4,206,157	4,206,157	4,206,157	4,206,157	4,206,157	4,206,157	4,206,15
I Otal Econ	34,184,935	. FIICE ESCAIAIIC 3,418,494	3,418,494	3,418,494	3,418,494	3,418,494	3,418,494	3,418,494	3,418,494	3,418,494	3,418,49.
In Bulgari	In Bulgarian Lev (Lev)										
Total Finar	ncial Cost excl.	Total Financial Cost excl. Price Escalation									
	82,348,570	8,234,857	8,234,857	8,234,857	8,234,857	8,234,857	8,234,857	8,234,857	8,234,857	8,234,857	8,234,85
Total Econ	omic Cost excl 66.927.608	Total Economic Cost excl. Price Escalation 66 927 608 6 692 761	n 6 692 761	6 692 761	6.692.761	6 692 761	6.692.761	6.692.761	6.692.761	6.692.761	6 692.76
B. East Ae	B. East Aegean River Basin	sin	2) - 2 - 3	23.62-31.62	2,000	23.02 = 3.00	2,000	3,55	3,55	3,55 = 3,55	2,22-2,2
Cost	Total Cost	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
In EURO (€)	(()										
Total Finan	ncial Cost excl.	Total Financial Cost excl. Price Escalation	ı								
	230,779,275 23,077,928	23,077,928	23,077,928	23,077,928	23,077,928	23,077,928	23,077,928	23,077,928	23,077,928	23,077,928	23,077,92:
Total Econ	omic Cost excl	Total Economic Cost excl. Price Escalation									
	187,300,452	18,730,045	18,730,045	18,730,045	18,730,045	18,730,045	18,730,045	18,730,045	18,730,045	18,730,045	18,730,04:
In Bulgari.	In Bulgarian Lev (Lev)										
Total Finar	ncial Cost excl.	0	1								
	451,821,972 45,182,197	45,182,197	45,182,197	45,182,197	45,182,197	45,182,197	45,182,197	45,182,197	45,182,197	45,182,197	45,182,19′
Total Econ	omic Cost excl	Ξ		,	,	,	,	,	,	,	,
	366,698,698	36,669,870	36,669,870	36,669,870	36,669,870	36,669,870	36,669,870	36,669,870	36,669,870	36,669,870	36,669,87
C. Both the Basins	e Basins										Ī
Cost To Item	Total Cost	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
In EURO (€)	(
Total Finar	ncial Cost excl.	0	1								
	2/2,840,849 2/,284,085	27,284,085	27,284,085	27,284,085	27,784,085	27,784,085	27,784,085	27,784,085	27,784,085	27,284,085	27,784,08:
Total Econ	omic Cost excl 221,485,387	1 otal Economic Cost exc Price Escalation 221,485,387 22,148,539 2.	n 22,148,539	22,148,539	22,148,539	22,148,539	22,148,539	22,148,539	22,148,539	22,148,539	22,148,53
In Bulgari	In Bulgarian Lev (Lev)										
Total Finar	ncial Cost excl.	Total Financial Cost excl. Price Escalation									
	534,170,542 53,417,054	53,417,054	53,417,054	53,417,054	53,417,054	53,417,054	53,417,054	53,417,054	53,417,054	53,417,054	53,417,05
Total Econ	omic Cost excl	Total Economic Cost excl. Price Escalation 433 626 306 43 362 631	n 43 362 631	43 362 631	43 362 631	43 362 631	43 362 631	43 362 631	43 362 631	43 362 631	43 362 63
	477,040,000	100,700,00	10,700,00	10,700,00	1,00,000,01	100,700,01	100,400,01	100,700,01	100,700,01	10,707,001	10,400,01

Table I.2.8 Annual Disbursement of Project Cost for Wastewater Treatment System Improvement Works in Financial and Economic Terms in the Case of the Target Year of 2015

Cost Item	Total Cost	2011	2012	2013	2014
In EURO (€)					
Total Financial Cost excl. Price Escalation	619,058,514	170,455,171	206,352,838	206,352,838	35,897,667
Total Economic Cost excl. Price Escalation	484,173,497	133,311,440	161,391,166	161,391,166	28,079,725
In Bulgarian Lev (Lev)					
Total Financial Cost excl. Price Escalation	1,211,998,950	333,718,838	403,999,650	403,999,650	70,280,812
Total Economic Cost excl. Price Escalation	947,919,714	260,998,471	315,973,238	315,973,238	54,974,767
B. East Aegean River Ba	ısin				
Cost Item	Total Cost	2011	2012	2013	2014
In EURO (€)					
Total Financial Cost excl. Price Escalation	1,843,789,567	471,441,439	614,596,522	614,596,522	143,155,083
Total Economic Cost excl. Price Escalation	1,441,969,180	368,669,349	480,656,393	480,656,393	111,987,045
In Bulgarian Lev (Lev)					
Total Financial Cost excl. Price Escalation	3,609,789,652	922,992,764	1,203,263,217	1,203,263,217	280,270,453
Total Economic Cost excl. Price Escalation	2,823,101,680	721,784,537	941,033,893	941,033,893	219,249,356
C. Both the Basins					
Cost Item	Total Cost	2011	2012	2013	2014
In EURO (€)					
Total Financial Cost excl. Price Escalation	2,462,848,082	641,896,610	820,949,361	820,949,361	179,052,751
Total Economic Cost excl. Price Escalation	1,926,142,677	501,980,789	642,047,559	642,047,559	140,066,770
In Bulgarian Lev					
(Lev) Total Financial Cost excl. Price Escalation	4,821,788,603	1,256,711,602	1,607,262,868	1,607,262,868	350,551,265
Total Economic Cost excl. Price Escalation	3,771,021,394	982,783,008	1,257,007,131	1,257,007,131	274,224,123

Table I.2.9 Annual Disbursement of Project Cost for Wastewater Treatment
System Improvement Works in Financial and Economic Terms in the Practical
Case of the Year of 2021(1)

A. West Aegean River	River Basin						(1/2)	5)
$\frac{\mathrm{Cost}}{\mathrm{Item}}$ Total Cost	t 2011	2012	2013	2014	2015	2016	2017	
In EURO (€) Total Financial Cost excl. Price Escalation	Cost excl. Pric	e Escalation						
619,058,514 137,577,194 180,609,118 Total Economic Cost excl. Price Escalation	14 137,577,194 Cost excl. Pric	180,609,118 se Escalation	180,609,118	43,031,924	25,743,720	25,743,720	25,743,720	0
484,173,497	97 107,598,128	141,254,506	141,254,506	33,656,378	20,136,660	20,136,660	20,136,660	0
In Bulgarian Lev (Lev) Total Financial Cost excl. Price Escalation	ost excl. Pric	e Escalation						I
1,211,998,950 269,350,007 Total Economic Cost excl. Price	1,211,998,950 269,350,007 Iconomic Cost excl. Pric	353,598,338 se Escalation	353,598,338	84,248,331	50,401,312	50,401,312	50,401,312	23
947,919,714	14 210,656,691		276,549,485	65,892,793	39,423,754	39,423,754	39,423,754	4
Cost Total Cost	2011	2012	2013 2014	14 2015	5 2016	3 2017		2018
In EURO (€)								
Total Financial Cost excl. Price Escalation	excl. Price Esca	lation						
1,843,789,567	1,843,789,567 393,375,309 489,293,932		489,293,932 95,91	95,918,623 81,936,941	3,941 125,302,591	,591 125,302,591		43,365,650
Total Economic Cost excl. Price Escalation	excl. Price Esca	lation						
1,441,969,180 307,599,422		382,632,844 382,6	382,632,844 75,03	75,033,422 64,098,956	3,956 98,023,549	,549 98,023,549		33,924,594
In Bulgarian Lev (Lev)								
Total Financial Cost excl. Price Escalation	excl. Price Esca	lation						
3,609,789,652	3,609,789,652 $770,154,113$ 95	957,944,552 957,9	957,944,552 187,79	187,790,439 160,416,962	3,962 245,318,665	,665 245,318,665		84,901,703
Total Economic Cost excl. Price Escalation	excl. Price Esca	lation						
2,823,101,680	602,221,224	749,122,408 749,1	749,122,408 146,901,184	1,184 $125,493,576$	3,576 191,911,485	,485 191,911,485		66,417,909

Table I.2.9 Annual Disbursement of Project Cost for Wastewater Treatment System Improvement Works in Financial and Economic Terms in the Practical Case of the Year of 2021

C. Both the Basins								(2/2)
Cost Total Cost Item	2011	2012	2013	2014	2015	2016	2017	2018
In EURO (€)								
Total Financial Cost excl. Price	xcl. Price Escalation	ution						
2,462,848,082	530,952,503	669,903,050	669,903,050	669,903,050 138,950,547 107,680,661 151,046,311 151,046,311 43,365,650 138,965,650 138,960,641 107,680,661 1	107,680,661	151,046,311	151,046,311	43,365,650
Total Economic Cost excl. Price Escalation	xcl. Price Escala	ution						
1,926,142,677	1,926,142,677 $415,197,550$	523,887,350	523,887,350	523,887,350 108,689,800 84,235,615 118,160,209 118,160,209 33,924,594	84,235,615	118,160,209	118,160,209	33,924,594
In Bulgarian Lev (Lev)								
Total Financial Cost excl. Price	xcl. Price Escalation	ution						
4,821,788,603	1,039,504,120	4,821,788,603 1,039,504,120 1,311,542,890 1,311,542,890 272,038,770 210,818,275 295,719,978 295,719,978 84,901,703 201,818,1039,1039,1039,1039,1039,1039,1039,1039	1,311,542,890	272,038,770	210,818,275	295,719,978	295,719,978	84,901,703
Total Economic Cost excl. Price Escalation	xcl. Price Escala	ution						
3,771,021,394		812,877,915 1,025,671,893 1,025,671,893 212,793,977 164,917,330 231,335,239 231,335,239 66,417,909 231,335,235,239 231,335,235,239 231,335,235,239 231,335,235,239 231,335,235,239 231,335,235,239 231,335,235,239 231,335,235,235,239 231,335,235,239 231,335,235,239 231,335,235,239 231,335,235,239 231,335,235,239 231,335,235,239 231,335,235,239 231,335,235,239 231,335,235,239 231,335,235,239 231,335,235,235,235,235,235,235,235,235,235	1,025,671,893	212,793,977	164,917,330	231,335,239	231,335,239	66,417,909

Table I.2.10 Annual Disbursement of Project Cost for Potable Water Supply
Network System Improvement Works in Financial and Economic Terms in the Case
of the Target Year of 2015

Eest Aegean River Basin					(Lev)
Cost Item	Total Amount of Project Cost	2011	2012	2013	2014
Total Financial Cost excl. Price Escalation	6,144,789,838	1,536,197,459	1,536,197,459	1,536,197,459	1,536,197,459
Price Escalation	1,053,793,322	186,771,111	236,909,496	288,506,909	341,605,806
Total Financial Cost incl. Price Escalation	7,198,583,160	1,722,968,570 -	1,773,106,956	1,824,704,368	1,877,803,265
Total Economic Cost excl. Price Escalation	4,771,392,703	1,192,848,176	1,192,848,176	1,192,848,176	1,192,848,176
West Aegean River Basin					(Lev)
Cost Item	Total Amount of Project Cost	2011	2012	2013	2014
Total Financial Cost excl. Price Escalation	1,798,396,328	449,599,082	449,599,082	449,599,082	449,599,082
Price Escalation	308,413,809	54,662,322	69,336,329	84,437,349	99,977,809
Total Financial Cost incl. Price Escalation	2,106,810,137	504,261,404	518,935,411	534,036,431	549,576,891
Total Economic Cost excl. Price Escalation	1,396,444,035	349,111,009	349,111,009	349,111,009	349,111,009
Both the River Basins					(Lev)
Cost Item	Total Amount of Project Cost	2011	2012	2013	2014
Total Financial Cost excl. Price Escalation	7,943,186,166	1,985,796,541	1,985,796,541	1,985,796,541	1,985,796,541
Price Escalation	1,362,207,132	241,433,433	306,245,825	372,944,258	441,583,615
Total Financial Cost incl. Price Escalation	9,305,393,297	2,227,229,974	2,292,042,367	2,358,740,800 -	2,427,380,157
Total Economic Cost excl. Price Escalation	6,167,836,738	1,541,959,185	1,541,959,185	1,541,959,185	1,541,959,185

Table I.2.11 Annual Disbursement of Project Cost for Potable Water Supply Network System Improvement Works in Financial and Economic Terms in the

Eest Aegean Kiver Basin											(Lev)
Cost Item	Total Amount of Project Cost	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
Total Financial Cost excl. Price Escalation	6,144,789,838	614,478,984	614,478,984	614,478,984	614,478,984	614,478,984	614,478,984	614,478,984	614,478,984	614,478,984	614,478,984
Price Escalation	1,723,302,735	74,708,444	94,763,799	115,402,764	136,642,322	158,499,952	180,993,639	204,141,893	227,963,760	252,478,844	277,707,317
Total Financial Cost incl. Price Escalation	7,868,092,573	689,187,428	709,242,782	729,881,747	751,121,306	772,978,936	795,472,623	818,620,877	842,442,744	866,957,828	892,186,301
Total Economic Cost excl. Price Escalation	4,771,392,703	477,139,270	477,139,270	477,139,270	477,139,270	477,139,270	477,139,270	477,139,270	477,139,270	477,139,270	477,139,270
West Aegean River Basin	g.										(Lev)
Cost Item	Total Amount of Project Cost	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
Total Financial Cost excl. Price Escalation	1,798,396,328	179,839,633	179,839,633	179,839,633	179,839,633	179,839,633	179,839,633	179,839,633	179,839,633	179,839,633	179,839,633
Price Escalation	504,359,204	21,864,929	27,734,532	33,774,940	39,991,124	46,388,199	52,971,429	59,746,231	66,718,179	73,893,012	81,276,631
Total Financial Cost incl. Price Escalation	2,302,755,532	201,704,562	207,574,164	213,614,573	219,830,757	226,227,832	232,811,061	239,585,863	246,557,812	253,732,644	261,116,264
Total Economic Cost excl. Price Escalation	1,396,444,035	139,644,404	139,644,404	139,644,404	139,644,404	139,644,404	139,644,404	139,644,404	139,644,404	139,644,404	139,644,404
Both the River Basins											(Lev)
Cost Item	Total Amount of Project Cost	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
Total Financial Cost excl. Price Escalation	7,943,186,166	794,318,617	794,318,617	794,318,617	794,318,617	794,318,617	794,318,617	794,318,617	794,318,617	794,318,617	794,318,617
Price Escalation	2,227,661,939	96,573,373	122,498,330	149,177,703	176,633,446	204,888,151	233,965,068	263,888,123	294,681,939	326,371,856	358,983,948
Total Financial Cost incl. Price Escalation	10,170,848,105	890,891,990	916,816,947	943,496,320	970,952,063	999,206,768	1,028,283,685	1,058,206,740	1,089,000,556	1,120,690,472	1,153,302,565
Total Economic Cost excl. Price Escalation	6,167,836,738	616,783,674	616,783,674	616,783,674	616,783,674	616,783,674	616,783,674	616,783,674	616,783,674	616,783,674	616,783,674

Statement of Revenue and Expenditure of Consolidated State **Table I.3.1 Budget by Item in Bulgaria**

							(1,000 Leva)
Revenue/Beneit	2003	2004	2005	Expenditure/Finance	2003	2004	2005
I. Revenue	13,758,404	15,399,942	17,475,212	I. Current Expenditures	12,709,786	13,615,348	14,577,172
 Current Revenue 	13,758,404	15,399,942	17,475,212	1. Wages and Salaries	1,506,147	1,671,519	1,765,500
1.1 Tax Revenue	11,114,124	12,773,972	14,483,931	2. Other Payments to Employees	236,763	261,560	292,551
i) Taxes on Profit	1,060,995	938,250	1,022,127	3. Social Insurance Contributions	569,783	641,630	631,879
- Of which: Tax on Profit	968,387	857,764	932,399	4. Scholarships	45,443	46,040	46,273
- Of which: Tax on Divi-				5. Cost*	2,113,121	2,380,131	2,615,397
dends, Liquidation	108,672	766,294	89,728	6. Defence and Safety	1,395,540	1,450,078	1,520,055
Participation and Income				7. Subsidies	940,122	868,076	875,560
ii) Income Tax	1,140,300	1,247,549	1,248,561	8. Expenditure for Membership Dues	77 000	53 033	013.610
iii) Tax on Insurance and Re-	100.70	24.512	070	and Participation	770,/4	55,633	42,010
insurance Premiums	74,201	54,515	0,242	9. Interests	723,911	697,429	685,563
vi) Value Added Tax	3,100,766	3,891,305	4,798,003	10. Social and Health Insurance	5 121 125	120 272 2	701 704
v) Excises	1,543,875	1,881,003	2,187,842	Payments	661,161,6	1,545,051	0,101,/84
vi) Custom Duties & Fees	231,276	292,490	371,739	II. Capital Expenditure	1,241,221	1,556,282	2,044,696
vii) Revenue of Social Insurance	3,653,580	4,079,462	4,409,610	III. Increase of State Reserve and Purchace	200 011	300 20	21772
viii) Other Taxes	359,131	409,402	439,806	of Agriocultural Products	11/,//0	676,17	20,010
1.2 Non-Tax Revenue	2,644,280	2,625,970	2,991,281	Expenditure in Total	14,068,783	15,198,954	16,678,483
II. Benefits	311,312	454,643	536,978	Surplus	933	655,630	1,333,707
1. Of which: Domestic Grants, Benefits	14,002	14,204	26,566				
and Other Oratutously Received Sum 2. Of which: Foreign Grants, Benefits and	i c	000	000				
Other Gratutously Received Sum	297,310	438,764	496,689				
Total	14,069,716	15,854,585	18,012,191	Total	14,069,716	15,854,585	18,012,191
				Net External Finance	-1,534	-622,491	-2,410,415
				Net Internal Finance	-399,433	-1,210,713	-370,240
				Revenue from Privatization	400,033	1,177,575	1,446,948
(Note) Incl. Food, Medicines, Bedclothes/ Clothes, Business Trips, Material/ Fuels/Energy, External Services, Current Repair, Expenditure on Education / Research / Books for Libraries, Taxes/Custom Duties/ Fees, Expenditure on Bank and Other Financial Services, and Others. Source: NIS.	ss, Business Trips ancial Services, a	s, Material/ Fuels/E ind Others.	nergy, External Ser	vices, Current Repair, Expenditure on Education/	/ Research / Book	s for Libraries, Tay	kes/Custom Duties/

	-	Table	I.	3.	2				В	a	la	n	ce	9 5	Sł	ıe	et	0	f	th	ıe	N	Ii	ni	isi	r	y	of	F	Er	V	ir	on	ın	1e	nt	2	n	d	W	/a	te	r	S	
		Total	110,385	26,072	52 212	1	32,101		6,074	0		0	(0 0	0 ;	5,135		C	,	6		0		<	>	2			0	0	c	0	5.124		939		939	О	•					116,459	12
		Other Accounts & Activities	-2	0	ç	1	0		1,395	0		0		0 0	0 000	1,595		С	,	0		0		c	>	0			0	0		0	1.395		0		0	С	,				, 00	1,394	0
2004	1007	Non- Budgets Ao and Accounts Ac		0	c		0		0	0		0	٠	0 0	0 0	0		C	,	0		0		<	0	0			0	0		0	0		0		0	c	,				٠	0	0
		Budgets & B Budget Accounts	1	26,072	52 214	1,1	32,101		4,679	0		0		0 0	0 0	5,739		C	,	6		0		•	>	2			0	0	c	0	3,729		626		939	0	,					115,066	12
		Bu Total F	72,313	870,02	6.857	20,0	45,378		6,257	0		0		0 0	0 ;	175,5		С	,	_		0		c	0	9			0	0		0	5.514		736		/36	0	,				0.00	78,570	15
		Other Accounts & Activities		211	10	i	0		828	0		0		0 0	0 0	878		0	,	0		0		<	>	0			0	0		0	828		0		0	c	,					1,060	0
2003	C007	Non- C Budgets Ac and Accounts Act		434	750-	ì	-14		0	0		0		0 0	0 0	0		0	,	0		0		•	>	0			0	0		0	0		0		0	О	,					163	0
	ľ	Budgets & Bu Budget Bu Accounts Ac	1	19,434	7 093	20,	45,392		5,429	0		0		0 0	0 0	4,695		o	,	_		0		<	>	9			0	0		0	4.686		736		736	C	,					77,348	15
	•	Liabilities B	Capital in Budget Enterprises		 Increase/Decrease of Net Assets from Past Years 	3. Increase/Decrease of Net	,	Liabilities & Revenues for Future	Periods	 Long Term Liabilities 	 LTL* on Govern- ment 		2. LILT On Loans			II. Short I erm Liabilities	Government Security	Issues	2. T. L. 112	Liabilities to Suppliers	Advanced Payments	Received	 For Pensions, Supports, 	Subsidies, Scholarships	5 Tay Duty & Las	_	9	Payments Liabilities to	SSSF, INTIF & AOFSF	Liabilities to Staff		Detween Budget		III. Provisions & Revenues for		1. Provisions for Liabilities		2. Nevellinues 101 Future Periods						- 1	Conditional Liabilities
		Total	81,825 A.	66,133	15,040	40.603		6,027 B.		4,463	14,764	927		77.6	<	0 (34 635	20,4	20,000	20,000		0	c	0 0	>	0		0		12,156		1574	t (,,	0	5,678	0	•	>	4.903	2,479	0		2,479	116,459 To	2.737 C.
		Other Accounts & Activities	21	21	0	20		-		0	0	0	٠	0	•	0 0	1 272	ý.	0	0		0	c	0 0	>	0		0		0		<	>	0	0	0	c	0	0	1,373	0	į	1,373	1,394	c
2007	1007	Non- Budgets A and Accounts A		0 0	0	0		0		0	0	0	٠	0	•	0 0			0	0		0	c	0 0	>	0		0		0		<	>	0	0	0	c	0	0	0	0	4	0	0	0
		Budgets & Budget Accounts	1	66,112	15,040	40.583		6,026		4,463	14,764	927		927	•	0 0	0 23 253	104,00	20,000	20,000		0	c	0 0	0	0		0		12,156		1.577	t (C, 1	0	5,678	0	c	>	4.903	1,106	0		1,106	115,066	2,734
		Total	67,397	52,167	15,837	29.624		4,513		4,198	14,449	781	i	/81	•	0 0	11 172	+/1,1/1	0	0		0	c	0 0	>	0		0		8,420		c		95	2,741	0	c	0	5.584	2,754	0		2,754	78,570	1,662
		Other Accounts & Activities	21	21	0	20		-		0	0	0		0	<	0 0	1 030	1,00	0	0		0	<	0	0	0		0		0		<		0	0	0	•	0	0	1,039	0		1,039	1,060	33
2003	7007	Non- Budgets / and Accounts /		8 9	0	95		0		0	2	4		4	<	0 0	O 9	i i	0	0		0	c	0 0	0	0		0		29		c		0	0	0	c	0	29	0	0	•	0	163	0
		Budgets & Budget Accounts		52,051	13,832	29.509		4,512		4,198	14,445	777		111	(0 0	0 001	10,01	0	0		0	<	0	0	0		0		8,360			>	95	2,741	0	•	0	5.524	1,715	0		1,715	77,348	1,660
		Assets	A. Non-Financial Assets	Ξ.	1. Buildings 2. Computers Vehicles		3. Economic Stocks & Other	LTTA*	4. LTTA* in Process of		II. Long Term Intangible Assets	Š.	I. Materials, Froduction,		2. Other Short 1 erm 1 angible		IV. Expenses for Future Periods B. Einangial Agests		Issues	1. Shares & Stocks	Government/Municipality		5. Bonds & Other Security Tomos	Issues II Einenoial Taking from Long		from Loans	2. Short Term Financial Taking		III. Other Financial Amounts		1. Public State/Municipality	Financial Amounts Deceivable	2. Financial Receivables from	_	Advanced Payments		5. Receivables from Loans	6 Other Financial Amounts		IV. Financial Resources		2. Financial Resources in Bank	Accounts	Total Assets	 C. Conditional Assets

Table I.3.3 Statement of Revenue and Expenditure of the Ministry of Environment and Waters 2003-2004

Revenue	2003	2004	Expenditure	2003	2002
	63 232	14 695		24 478	35 420
Personal Income Tax	32,996	0	Salaries and Fees of Staff Emnloved on Labor and Official Contracts	8 386	9.753
Companyion Toy	0000	0 0	Colonian and Dans of Claff Employed on Labor Contracts	1.561	1 555
Colporasuon Lax	O Ü	0 (Salaries and rees of start Employed on Labor Conducts	100,1	CCC, 1
Tax on Dividends and Liquidation Shares	0	0	Salaries and Fees of Staff Employed on Official Contracts	4,276	5,370
Payments for State Social Security	0	0	Salaries and Fees of Staff from the Government	96	83
Health Security Payments	0	0	Additional Financial Bonuses and Other Additional Remunerations	2,454	2,745
Property Tax	0	0	Other Remunerations and Payments for the Staff	1,030	1,192
Value Added Tax (VAT)	0	0	Security Payments by Employer for State Social Security Fund	2,842	3,360
Excise Duties & Taxes on Liquid Fuels	5,825	0	Security Payments by Employer for Teacher Pension Fund	0	0
Tax on Insurance and Re-Insurance Bonuses	0	0	Health Security/Insurance Payments by Employer	490	588
Other Taxes egulated by Corporate Income Tax Act	0	0	Other Health Security Payments for Pensioners and Others	0	0
Duties and Customs Taxes	0	0	Payments for Additional Obligatory Security	85	162
Other Taxes	0	0	Payments for Voluntary Security	0	0
Revenues and Income from Property	47,484	9,581	Maintenance	991.9	13,040
Net Revenues from Sales of Services, Goods and Production	48	9,539	Payments for Membership Dues and Participation in Non-Trade Organization/Activities	350	402
Revenues from Renting Properties	0	41	Payments on Governmental (Municipal) Security Issues	0	0
Revenues from Interests on Current Bank Account	47,436	0	Expenses for Interests on Loans in the Country	0	0
State Fees	755	2,399	Expenses for Interests on Loans from Other Countries	0	0
Court Fees	0	0	Expenses for Interests on Loans from International Financing Organizations	0	0
Municipal Fees	0	0	Expenses for Interests on Loans from Banks and Other International Financing Organizations	0	0
Fines, Sanctions and Penalty Interests	2,706	996	Expenses for Interests on Bonds Issued and Sold at International Capital Market	0	0
Revenues from Foreign Security Institutions	0	0	Other Expenses for Interests	0	0
Other Non-Tax Revenues	1,997	155	Health Security Payments	0	0
Differences in Current Rates in Currency Operations	_	-	Scholarships	0	0
Received Insurance Compensation on Long Term Tangible Assets	1,982	=	Pensions	0	0
Other Non-Tax Revenues	15	143	Compensations and Financial Support for Household/Families	0	0
Paid-in Value Added Tax and Other Tax on Sales	0	-2	Subsidies for Non-Financial Enterprises	0	0
Revenues from Sales of State and Municipal Property	15	7	Subsidies for Financial Enterprises	0	0
Revenue from Concessions	0	0	Payments for Membership Dues and Participation	0	0
Revenue from Licenses	0	0	Given Financial Support for Foreign Countries	0	0
Aid, Donations and Other Gratutous Funds from the Country	1,453	1,588	General Repair on Long Term Tangible Assets	219	495
Current Aids, Donmations and Other Gratutous from the Country	20	123	Acquisition of Long Term Tangible Assets	3,833	6,165
Current Aids, Donmations and Other Gratutous from Abroad	1,433	1,464	Acquisition of Long Term Intangible Assets	477	257
			Acquisition of Land	0	φ,
			Capital Transfers	0	0
			Increase of State Reserve and Buying Up of Agricultural Products	0	0
			Reserve for Incidental and Urgent Expenses	0	0
			Transfer-Recapitulation	-68,754	40,029
			Deficit/Surplus	0	19,305
Total	93,232	14,695	Total	93,232	14,695
			Number of Full Time Employers	1,433	1.558
			On Labor Contracts	504	374
			On Official Contracts	929	1,184

Table I.3.4 Revenue and Financing Amount (Expenditure) of Enterprise for Management of Environmental Protection Activities (PUDOOS)

Revenue Transferred funds from the MoEW/ Transfer from Previous Year . Revenues Based on Lows		2004	2005	15	2006			2004		2005	10	2006	
Transferred funds from the MoEW/ Transfe from Previous Year I. Revenues Based on Lows	Amount	Share Rate	Amount	Share Rate	Amount	Share Rate	Expenditure (Financing)	Amount	Share Rate	Amount	Share Rate	Amount	Share Rate
[. Revenues Based on Lows	er 20,000,000		15,878,799		-6,429,452		 Total expenditures on financing of water projects 	45,386,372	100.00%	50,826,296	100.00%	44,566,883	100.00%
	67.964.656	100.00%	51.354.089	100.00%	44.987.118	100.00%	1. Water supply/water conduits			6.566.733	12.92%	10,307,463	23.13%
1. Water Act (WA)	22,455,716	33.04%		40.11%	26,840,040	%99.65	2. Improvement of the conditions of	1,793,013	3.95%	2,925,892	2.76%	2,856,487	6.41%
1.1 WA - permission taxes	136,617		293,074		282,507		2.1 Corrections of rivers and	1 793 013		2 863 771		,	
1.2 WA - water consumption taxes	22,083,503		20,175,030		26,243,445			.,,,,,,,		1,000,1			
1.3 WA - penal decisions	235,596		129,777		314,088		2.2 \$10-98/improvement of the			62.121		2.856.487	
2. Waste Management Act (WMA)	19,044,857	28.02%	11,191,822	21.79%	7,993,215	17.77%	conditions of water resources	:					;
2.1 WMA - package tax	26,959		11,315,415		10,467,706		Conditions of water resources	29,643,603	65.31%	25,716,092	20.60%	6,064,723	13.61%
2.2 WMA - penal decisions	19,005,321		43,104		137,003			11,895,437		3,313,496		6,064,723	
2.3 Refunded taxes in exporting	12.577		-146.905		-249,652		3.2 Collectors and sewerage	17,748,166		22,402,596			
packaged goods	1		,		1		st	10,669,851	23.51%	8,153,382	16.04%	20,915,068	46.93%
2.4 Refunded package taxes under	•		-19,792		-2,361,842		4.1 Waste structures - budget	10,208,749		7,782,690		20,411,467	
Older 372 2 Tour on Destroyed Territories (TDT)	316 036		306 141				A 2 810-08/Wasta structuras - non-						
3. Law Oil Flütected Tellitolies (LFT)	306,243		375 305							258,889		387,360	
3.1 LFT - Tevenues	550,050		50,50										
3.2 LPT - penal decisions	31,,112		10,756		ı		4.3 \$10-96/dangelous waste	461,102		111,803		116,241	
Ministers for the Council of	19,836,664		10,985,608		4,766,918		Incinerator 5 Compareto collocting of words	250 013	130	3 6 45 3 45	/000 3	2 000 543	/007 7
Ministers - tax on motor venicres			07.000		000		ocpa.	510,4/0	1.1270	2,043,243	3.2070	2,700,343	0.0970
4.1 Kevenues from taxes			11,060,240		4,776,678		5.1 Separate waste conection -			2,590,015		2,976,793	
4.2 Refunded amounts	,		-74 632		092.6		budget 5.2 810-98/separate collecting of						
5. Ordinance 134 of the Council of	1.054.389		1.424.019		1.644.958					55.230		3.750	
5.1 Revenues from taxes	` '		1.564.194		1,786,378		organisations						
5.2 Refunded amounts	,		-140.175		-141.420		6. Air quality improvement	77,904		1.048.432		333.818	
					1		7. Biodiversity	1.698.895		792.175		1.108.781	
6 Ordinance 137 of the Council of	2 336 031		1 718 070		2 227 480		7.1 Biodiversity -budget	1 698 895		222 170		1 108 781	
6 1 Revenues from taxes			4 429 873		5 446 069		7.2 \$10-98/biodiversity - non-	2000000		2 2 3 3 3 3		*, *, *, *, *, *, *, *, *, *, *, *, *, *	
6.2 Refunded amount	,		-2,711,803		-3.218,589					570,005		,	
7. Law on the Purity of Atmospheric air	002 619 6		1 050 464				8. Grant to municipalities on ecological	000		3 6 7 6 7 6		•	
(LPAA)	7,613,000		4,908,404				issues	992,030		6,9/6,243		0	
7.1 LPAA - revenues	2,810,973		4,950,550		1		8.1 Afforestation	440,852		221,904		0	
7.2 LPAA - penal decisions	2,627		7,914				Afforestation - budget	440,852		147,180		,	
8. Law on Environmental Protection	55,154		58,868				§10-98/afforestation - budget -			74 724		,	
Law on Biodiversity			1,377				non-governmental organisations						
10. Law on Underground Resources	,		31,509		1		8.2 Eco tourism	110,926		2,045,072		0	
11. Law on Medicinal Plants	,		330		ı		Eco tourism	110,926		1,528,818		,	
12. Ordinance 230 of the Council of	,		,		1 514 507					516,254		,	
					,,,,,		8.3 Clean environment	440,852		711,369		0	
II. Other Revenue	11,105,676		0		24,695,961		Clean environment-	440,852		688,161		,	
							municipalities-budget 810-98/clean environment -						
							non-governmental organisations			23,208			
							II. Other Expenditure	37,805,161		22,836,044		16,271,703	
Total	99,070,332		67,232,888		69,683,079		Total	83,191,533		73,662,340		60,838,586	

Table I.3.5 Statement of Revenue and Expenditure of West Aegean River
Basin Directorate 2003-2006

Itama	2002	2004		Jnit: Levs)
Items Revenue	2003 12,026	2004	2005 3,193	2006 15,119
Personal Income Tax	0	24,070	0,193	0
Corporastion Tax	0	0	0	0
Tax on Dividends and Liquidation Shares	0	0	0	0
Payments for State Social Security	0	0	0	0
Health Security Payments	0	0	0	0
Property Tax	0	0	0	0
Value Added Tax (VAT)	0	0	0	0
Excise Duties	0	0	0	0
Tax on Insurance and Re-Insurance Bonuses	0	0	0	0
Other Taxes egulated by Corporate Income Tax Act	0	0	0	0
Duties and Customs Taxes	0	0	0	0
Other Taxes	0	0	0	0
Revenues and Income from Property	2 2	77	76 76	153
Net Revenues from Sales of Services, Goods and Production State Fees		77	76	153
Court Fees	10,883	21,523	1,600 0	14,966 0
Municipal Fees	0	0	0	0
Fines, Sanctions and Penalty Interests	0	0	0	0
Revenues from Foreign Security Institutions	0	0	0	0
Other Non-Tax Revenues	341	3,070	1,517	0
Received Insurance Compensation on Long Term Tangible Assets	0	2,820	1,317	0
Received Other Insurance Compensations	91	2,820	1,312	0
Other Non-Tax Revenues	250	250	205	0
Paid-in Value Added Tax and Other Tax on Sales	0	0	0	0
Revenues from Sales of State and Municipal Property	0	0	0	0
Revenue from Concessions	0	0	0	0
Revenue from Licenses	0	0	0	0
Aid, Donations and Other Gratutous Funds from the Country	800	0	0	0
Current Aids, Donmations and Other Gratutous from the Country	800	0	0	0
Expenditure	413,338	625,094	551,350	743,564
Salaries and Fees of Staff Employed on Labor and Official Contracts	154,594	277,695	276,777	283,265
Salaries and Fees of Staff Employed on Labor Contracts	35,023	45,969	41,075	37,044
Salaries and Fees of Staff Employed on Official Contracts	67,737	156,986	170,101	177,864
Additional Financial Bonuses and Other Additional Remunerations	51,834	74,740	65,601	68,357
Other Remunerations and Payments for the Staff	3,911	5,605	14,873	19,699
Security Payments by Employer for State Social Security Fund	48,567	93,690	88,715	74,953
Security Payments by Employer for Teacher Pension Fund	0	0	0	0
Health Security/Insurance Payments by Employer	8,910	16,294	16,695	17,468
Other Health Security Payments for Pensioners and Others	0	0	0	0
Payments for Additional Obligatory Security	1,898	5,660	5,568	7,453
Payments for Voluntary Security	0	0	0	0
Maintenance	96,613	163,450	148,722	140,885
Payments on Governmental (Municipal) Security Issues	0	0	0	0
Expenses for Interests on Loans in the Country	0	0	0	0
Expenses for Interests on Loans from Other Countries	0	0	0	0
Expenses for Interests on Loans from International Financing Organizations	0	0	0	0
Expenses for Interests on Loans from Banks and Other International Financing Organizations	0	0	0	0
Expenses for Interests on Bonds Issued and Sold at International Capital Market	0	0	0	0
Other Expenses for Interests				0
Health Security Payments	0	0	0	0
Scholarships	0	0	0	0
Pensions Compensations and Financial Support for Household/Families	0	0	0	0
Subsidies for Non-Financial Enterprises	0	0	0	0
Subsidies for Financial Enterprises	0	0	0	0
Payments for Membership Dues and Participation	0	0	0	0
Given Financial Support for Foreign Countries	0	0	0	0
General Repair on Long Term Tangible Assets	0	0	0	96,400
Acquisition of Long Term Tangible Assets	93,781	57,413	0	103,441
Acquisition of Long Term Intangible Assets	5,064	5,287	0	0
Acquisition of Long Term Intangiole Assets Acquisition of Land	0,004	0,287	0	0
Capital Transfers	0	0	0	0
Increase of State Reserve and Buying Up of Agricultural Products	0	0	0	0
	0	0	0	0
Reserve for Incidental and Urgent Expenses		600,307	548,157	726,375
Reserve for Incidental and Urgent Expenses Transfer-Recapitulation	401.512		,,	
ransfer-Recapitulation	401,312	-117	0	-2.070
Transfer-Recapitulation Deficit/Surplus			0 48	
Transfer-Recapitulation Deficit/Surplus	0	-117		48
Transfer-Recapitulation Deficit/Surplus Number of Full Time Employers	0 49	-117 47	48	-2,070 48 10 38

Source: Ministry of Environment and Water.

Table I.3.6 Statement of Revenue and Expenditure of East Aegean River Basin Directorate 2003-2006

			J)	Jnit: Lev
Items	2003	2004	2005	200
Revenue	34,797	37,742	7,002	20,21
Personal Income Tax	0	0	0	
Corporastion Tax	0	0	0	
Tax on Dividends and Liquidation Shares	0	0	0	
Payments for State Social Security	0	0	0	
Health Security Payments	0	0	0	
Property Tax Value Added Tay (VAT)	0	0	0	
Value Added Tax (VAT) Excise Duties	0	0	0	
Tax on Insurance and Re-Insurance Bonuses	0	0	0	
Other Taxes egulated by Corporate Income Tax Act	0	0	0	
Duties and Customs Taxes	0	0	0	
Other Taxes	0	0	0	
Revenues and Income from Property	1	402	177	8
Net Revenues from Sales of Services, Goods and Production	0	401	175	5
Revenues from Interests on Current Bank Account	1	1	2	2
State Fees	34,396	35,340	5,825	20,12
Court Fees	0	0	0	20,12
Municipal Fees	0	0	0	
Fines, Sanctions and Penalty Interests	0	2,000	1,000	
Revenues from Foreign Security Institutions	0	2,000	0	
Other Non-Tax Revenues	400	0	0	
Received Insurance Compensation on Long Term Tangible Assets	0	0	0	
Received Other Insurance Compensations	0	0	0	
Other Non-Tax Revenues	400	0	0	
Paid-in Value Added Tax and Other Tax on Sales	0	0	0	
Revenues from Sales of State and Municipal Property	0	0	0	
Revenue from Concessions	0	0	0	
Revenue from Licenses	0	0	0	
Aid, Donations and Other Gratutous Funds from the Country	0	0	0	
Current Aids, Donmations and Other Gratutous from the Country	0	0	0	
xpenditure	443,932	801,872	1,553,507	713,06
Salaries and Fees of Staff Employed on Labor and Official Contracts	132,996	302,276	356,285	346,4
Salaries and Fees of Staff Employed on Labor Contracts	17,841	35,625	37,721	27,30
Salaries and Fees of Staff Employed on Official Contracts	68,509	186,922	242,094	247,12
Additional Financial Bonuses and Other Additional Remunerations	46,646	79,729	76,470	71,9
Other Remunerations and Payments for the Staff	5,299	10,500	25,299	27,99
Security Payments by Employer for State Social Security Fund	44,825	105,888	121,018	96,34
Security Payments by Employer for Teacher Pension Fund	0	0	0	70,5
Health Security/Insurance Payments by Employer	7,590	18,197	21,938	21,70
Other Health Security Payments for Pensioners and Others	0	0	0	21,7
Payments for Additional Obligatory Security	1,281	4,490	5,493	7,64
Payments for Voluntary Security	0	4,490	0,493	7,0
Maintenance	111,668	237,556	209,855	167,7
Payments on Governmental (Municipal) Security Issues	0	0	207,633	107,7
Expenses for Interests on Loans in the Country	0	0	0	
Expenses for Interests on Loans from Other Countries	0	0	0	
Expenses for Interests on Loans from International Financing Organizations	0	0	0	
	0			
Expenses for Interests on Loans from Banks and Other International Financing Organizations Expenses for Interests on Bonds Issued and Sold at International Capital Market	0	0	0	
1	0	0	0	
Other Expenses for Interests Health Security Payments	0	0	0	
	0			
Scholarships Pensions	0	0	0	
Compensations and Financial Support for Household/Families	0	0	0	
	0	0	0	
Subsidies for Non-Financial Enterprises	0	0	0	
Subsidies for Financial Enterprises				
Payments for Membership Dues and Participation	0	0	0	
Given Financial Support for Foreign Countries	0	0	721.940	10.5
General Repair on Long Term Tangible Assets			731,840	10,50
Acquisition of Long Term Tangible Assets	140,273	122,965	9,751	34,7
Acquisition of Long Term Intangible Assets	0	0	72,028	
Acquisition of Land	0	0	0	
Capital Transfers	0	0	0	
Increase of State Reserve and Buying Up of Agricultural Products	0	0	0	
Reserve for Incidental and Urgent Expenses	100 125	0	1.546.056	407.7
ransfer-Recapitulation	409,135	763,779	1,546,856	496,7
Deficit/Surplus	0	-351	351	-196,08
fumber of Full Time Employers	37	59	57	:
On Labor Contracts	12	7	5	
On Official Contracts	25	52	52	•
on-Regularly Employed Staff	0	0	0	

Table I.3.7 Statement of Revenue and Expenditure of Danube River Basin Directorate 2003-2006

10	200-	***		Jnit: Lev
Items Revenue	2003 279,548	2004 42,457	6,398	200
Personal Income Tax	279,548	42,457	0,398	6,53
Corporastion Tax	0	0	0	
Tax on Dividends and Liquidation Shares	0	0	0	
Payments for State Social Security	0	0	0	
Health Security Payments	0	0	0	
Property Tax	0	0	0	
Value Added Tax (VAT)	0	0	0	
Excise Duties	0	0	0	
Tax on Insurance and Re-Insurance Bonuses	0	0	0	
Other Taxes egulated by Corporate Income Tax Act	0	0	0	
Duties and Customs Taxes	0	0	0	
Other Taxes	0	0	0	
Revenues and Income from Property	7	33	2,511	46
Net Revenues from Sales of Services, Goods and Production	0	31	2,509	21
Revenues from Interests on Current Bank Account	7	2	2	24
State Fees	277,571	40,936	3,167	5,70
Court Fees	0	0	0	
Municipal Fees	0	0	0	
Fines, Sanctions and Penalty Interests	1,650	1,000	0	15
Revenues from Foreign Security Institutions	0	0	0	
Other Non-Tax Revenues	320	488	720	22
Received Insurance Compensation on Long Term Tangible Assets	0	468	720	22
Received Other Insurance Compensations	0	0	0	
Other Non-Tax Revenues	320	20	0	
Paid-in Value Added Tax and Other Tax on Sales	0	0	0	
Revenues from Sales of State and Municipal Property	0	0	0	
Revenue from Concessions	0	0	0	
Revenue from Licenses	0	0	0	
Aid, Donations and Other Gratutous Funds from the Country	0	0	0	
Current Aids, Donmations and Other Gratutous from the Country	0	0	0	
xpenditure	565,289	905,447	874,312	990,72
Salaries and Fees of Staff Employed on Labor and Official Contracts	191,724	396,109	410,148	449,44
Salaries and Fees of Staff Employed on Labor Contracts	38,661	45,502	32,607	33,47
Salaries and Fees of Staff Employed on Official Contracts	89,579	246,852	295,145	310,13
Additional Financial Bonuses and Other Additional Remunerations	63,484	103,755	82,396	105,84
Other Remunerations and Payments for the Staff	4,330	15,022	27,489	33,60
Security Payments by Employer for State Social Security Fund	59,554	138,367	138,565	123,86
Security Payments by Employer for Teacher Pension Fund	0	0	0	
Health Security/Insurance Payments by Employer	10,065	23,945	24,588	27,33
Other Health Security Payments for Pensioners and Others	0	0	0	
Payments for Additional Obligatory Security	1,862	6,301	6,601	10,36
Payments for Voluntary Security	0	0	0	
Maintenance	136,756	217,930	266,921	247,19
Payments on Governmental (Municipal) Security Issues	0	0	0	
Expenses for Interests on Loans in the Country	0	0	0	
Expenses for Interests on Loans from Other Countries	0	0	0	
Expenses for Interests on Loans from International Financing Organizations	0	0	0	
Expenses for Interests on Loans from Banks and Other International Financing Organizations	0	0	0	
Expenses for Interests on Bonds Issued and Sold at International Capital Market	0	0	0	
Other Expenses for Interests	0	0	0	
Health Security Payments	0	0	0	
Scholarships	0	0	0	
Pensions	0	0	0	
Compensations and Financial Support for Household/Families	0	0	0	
Subsidies for Non-Financial Enterprises	0	0	0	
Subsidies for Financial Enterprises	0	0	0	
Payments for Membership Dues and Participation	0	0	0	
Given Financial Support for Foreign Countries	0	0	0	
General Repair on Long Term Tangible Assets	0	0	0	
Acquisition of Long Term Tangible Assets	160,998	105,993	0	98,9
Acquisition of Long Term Intangible Assets	0	1,780	0	
Acquisition of Land	0	0	0	
Capital Transfers	0	0	0	
Increase of State Reserve and Buying Up of Agricultural Products	0	0	0	
Reserve for Incidental and Urgent Expenses	0	0	0	
Fransfer-Recapitulation	285,741	859,718	869,438	942,9
Deficit/Surplus	0	-3,272	1,524	-41,2
Number of Full Time Employers	57	67	65	(
On Labor Contracts	21	7	7	
On Official Contracts	36	60	58	(

Table I.3.8 Statement of Revenue and Expenditure of Black Sea River Basin Directorate 2003-2006

Items	2003	2004	2005	Jnit: Le
Revenue	51,626	12,128	3,440	9,3
Personal Income Tax	0	0	0	
Corporastion Tax	0	0	0	
Tax on Dividends and Liquidation Shares	0	0	0	
Payments for State Social Security	0	0	0	
Health Security Payments	0	0	0	
Property Tax	0	0	0	
Value Added Tax (VAT)	0	0	0	
Excise Duties	0	0	0	
Tax on Insurance and Re-Insurance Bonuses	0	0	0	
Other Taxes egulated by Corporate Income Tax Act	0	0	0	
Duties and Customs Taxes	0	0	0	
Other Taxes	0	0	0	
Revenues and Income from Property	4	97	745	5
Net Revenues from Sales of Services, Goods and Production	0	89	743	5
Revenues from Interests on Current Bank Account	4		1	3
		8		0.7
State Fees	50,881	11,781	2,695	8,7
Court Fees	0	0	0	
Municipal Fees	0	0	0	
Fines, Sanctions and Penalty Interests	500	0	0	
Revenues from Foreign Security Institutions	0	0	0	
Other Non-Tax Revenues	241	250	0	
Received Insurance Compensation on Long Term Tangible Assets	241	0	0	
Received Other Insurance Compensations	0	0	0	
Other Non-Tax Revenues	0	250	0	
Paid-in Value Added Tax and Other Tax on Sales	0	0	0	
Revenues from Sales of State and Municipal Property	0	0	0	
Revenue from Concessions	0	0	0	
Revenue from Licenses	0	0	0	
Aid, Donations and Other Gratutous Funds from the Country	0	0	0	
Current Aids, Donmations and Other Gratutous from the Country	0	0	0	
xpenditure	568,725	1,139,705	767,022	845,6
Salaries and Fees of Staff Employed on Labor and Official Contracts	206,148	357,085	352,353	376,7
Salaries and Fees of Staff Employed on Labor Contracts	45,813	37,824	22,490	25,8
Salaries and Fees of Staff Employed on Official Contracts	92,079	224,857	250,486	254,9
Additional Financial Bonuses and Other Additional Remunerations	68,256	94,404	79,377	95,9
Other Remunerations and Payments for the Staff	12,022	20,261	32,399	33,7
Security Payments by Employer for State Social Security Fund	68,552	126,529	120,491	102,9
Security Payments by Employer for Teacher Pension Fund	0	0	0	
Health Security/Insurance Payments by Employer	11,623	22,107	22,401	23.9
Other Health Security Payments for Pensioners and Others	0	0	0	20,,
Payments for Additional Obligatory Security	1,707	5,385	5,332	8,3
	0	0,363		0,3
Payments for Voluntary Security			0	
Maintenance	138,728	481,661	231,646	174,2
Payments on Governmental (Municipal) Security Issues	0	0	0	
Expenses for Interests on Loans in the Country	0	0	0	
Expenses for Interests on Loans from Other Countries	0	0	0	
Expenses for Interests on Loans from International Financing Organizations	0	0	0	
Expenses for Interests on Loans from Banks and Other International Financing Organizations	0	0	0	
Expenses for Interests on Bonds Issued and Sold at International Capital Market	0	0	0	
Other Expenses for Interests	0	0	0	
Health Security Payments	0	0	0	
Scholarships	0	0	0	
Pensions	0	0	0	
Compensations and Financial Support for Household/Families	0	0	0	
Subsidies for Non-Financial Enterprises	0	0	0	
Subsidies for Financial Enterprises	0	0	0	
Payments for Membership Dues and Participation	0	0	2,400	
Given Financial Support for Foreign Countries	0	0	0	
General Repair on Long Term Tangible Assets	0	0	0	
Acquisition of Long Term Tangible Assets	129,729	126,353	0	99,2
Acquisition of Long Term Intangible Assets	216	324	0	26,4
Acquisition of Land	0	0	0	,
Capital Transfers	0	0	0	
Increase of State Reserve and Buying Up of Agricultural Products	0	0	0	
Reserve for Incidental and Urgent Expenses	0	0	0	
<u> </u>				0111
ransfer-Recapitulation	517,099	1,127,577	763,532	811,1
eficit/Surplus	0	0	-50	-25,1
umber of Full Time Employers	59	58	60	
On Labor Contracts	24	5	5	
On Official Contracts	35	53	55	
On Official Contracts	55			

Table I.3.9 Balance Sheet of Irrigation Systems Co.Ltd. (100 % State Owned Entetrprise subscribed by the Ministry of Agriculture and Forestry)

(Note) The Company supplies the irriga	ation water i	for 537,000	ha in total (a	around 98 %	of whole	irrigated agricultural area).				(Unit: 1,	000 Levs)
Assets	2001	2002	2003	2004	2005	Liabilities	2001	2002	2003	2004	2005
A. Non Subscribed Capital	0	0	0	0	0	A. Own Capital	126,566	126,800	126,271	126,747	112,567
B. Long Term Assets	117,079	115,646	113,891	112,917	100,077	I. Basic Capital	23,111	22,433	24,115	24,222	21,816
I. Lonmg Term Material Assets	117,022	115,595	113,848	112,886	100,048	 Subscribed Capital 	24,086	22,433	24,115	24,222	21,816
 Buildings, Lands, Forests and 						Additional Capital	-975	0	0	0	0
Other Permanent Plantations	31,415	27,933	28,835	29,158	28,370	II. Reserves	102,252	103,223	100,633	100,860	88,466
						Emission Premia	0	0	0	0	0
Machinery, Works and	84,250	86,997	84,442	83,158	71,143	Reserve for Post-Estimate of					
Equipment	84,230	80,997	84,442	65,136	/1,143	Assets and Liabilities (Pre-	27,384	27,373	28,073	26,572	20,895
Other Long Term Material	982	386	283	271	236	Estimate Reserve)					
Assets	982	380	283	2/1	230	Target Reserve	74,868	75,850	72,560	74,288	67,571
4. Expenses on Acquisition and						 a. General Reserve 					
Liquidation of Long Term	375	279	288	299	299	(Additional Reserve)	74,827	43	47	57	60
Material Assets											
II. Long Term Non Material Assets	49	43	31	24	22	 b. Specialized Reserve 	41				
 Rights of Ownerships 	21	0	0	0	0	(Reserve by Law)	41	0	0	0	0
Research Activities Products						c. Other Reserve	0	75,807	72,513	74,231	67,511
	0	0	0	0	0	III. Fianansial Result	1,203	1,144	1,523	1,665	2,285
3. Software, Patent, License	28	27	17	14	16	Profit/Loss Accumulated	1,183	1,107	1,420	1,634	2,239
4. Other Long Term Non-						a. Non-Divided Profit	1,183	1,107	1,420	1,634	2,239
Material Assets	0	16	14	10	6	b. Uncovered Loss	0	0	0	0	0
5. Expenses on foundation/						Current Operating Profit/					
extension	0	0	0	0	0	Loss	20	37	103	31	46
III. Long Term Financial Assets	8	8	8	7	7	B. Long Term Liabilities	5	1,832	2,073	1,664	4,579
Shares and Stocks	8	8	8	7	7	I. Long Term Debts	5	1,832	41	27	2,708
2. Investment Property	0	0	0	0	0	Debts to Linked Enterprises					
1 7	U	U	U	U	U	1. Debts to Efficie Effectprises	0	0	0	0	0
Other Long Term Securities	0	0	0	0	0	Debts to Finansial Institutions					
4 I and T P	^	^		^		2. Decis to r mansial institutions	0	0	0	0	0
4. Long Term Payments Due	0	0	0	0	0	2. Dahta an Gammanial Laura					
IV. Trade Reputation	0	0	0	0	0	Debts on Commercial Loans	0	0	0	0	0
Positive Reputation	0	0	0	0	0						
Negative Reputation	0	0	0	0	0	Taxes Postponed	0	0	0	0	2,410
V. Expenses on Future Periods	0	0	4	0	0	Other Long Term Liabilities	5	0	41	27	298
C. Short Term Assets	13,869	15,501	17,253	20,151	25,620					2.7	270
I. Short Term Material Assets	2,184	2,273	2,497	2,869	3,054	II. Incomes for Future Periods	0	1,832	2,032	1,637	1,871
 Materials 	943	1,322	1,563	1,987	2,025	and Finansing	· ·	1,032	2,032	1,057	1,071
2. Production	637	250	306	143	295	C. Short Term Liabilities	4,377	2,515	2,800	4,657	8,551
3. Goods	173	134	78	89	65	I. Short Term Debts	2,479	2,326	2,800	4,657	8,551
4. Young and Small Animals						 Debts to Linked Enterprises 	0	0	0	0	0
and Animals for Meat	214	206	203	9	9		0	0	0	0	0
						Debts to Finansial Institutions					
Non-Finished Production	217	254	284	640	659		0	0	0	0	0
Other Short Term Material						Debts to Suppliers and Clients		400			
Assets	0	107	63	1	1		215	188	352	1,563	4,098
II. Short Term Payment Due	6,045	7,013	9,083	11,890	18,445	 Debts on Commercial Loans 					
Payments Due from Linked							1	0	0	0	0
Enterprises	0	0	0	0	0	Debts to Personnel	1,195	825	800	1,078	1,472
Payments Due from Clients						Debts to Insurance	349	348	442	577	730
and Suppliers	4,913	5,391	6,922	5,966	10,433	7. Tax Debts	457	601	895	1,094	1,212
Payments Due on						8. Other Short Term Debts	262	364	311	345	1,039
Commercial Loans Granted	0	0	0	0	0	9. Provisions	0	0	0	0	0
Juridical and Sentenced						II. Incomes for Future Periods	U	U	U	U	U
Payments Due	656	1,077	1,463	3,554	4,075	and Finansing	1,898	189	0	0	0
Taxes on Recuperation	179	230	160	1,846	2,777	D. Finansing		0	0	0	0
*	1/9	230	168	1,640	2,///	Finansing For Long Term Assets	0			0	0
Other Short Term Payments Due	297	315	530	524	1,160	For Current Activities	0	0	0	0	0
		_		0	_	2. For Current Activities	0	0	0	0	0
III. Short Term Finansial Assets	0	0	0	0	0						
Finansial Assets from Linked Finansial Assets from Linked	0	0	0	0	0	1					
Enterprises											
Bought Back Own Debt	0	0	0	0	0						
Securities											
Short Term Securities	0	0	0	0	0	1					
Precious Metals and Jewellry	0	0	0	0	0	1					
Other Short Term Finansial	0	0	0	0	0						
Assets	U	U	U	U	U						
IV. Monetary Sources	5,426	6,017	5,561	5,291	3,981	1					
 Monetary Sources in Cash 		211	400	124	40.5						
•	99	311	493	134	485						
2. Monetary Sources on Bank					2						
Deposits	5,327	5,518	5,068	5,157	3,496	1					
Blocked Monetary Reserves											
5	0	188	0	0	0						
4. Money Equivalents	0	0	0	0	0						
V. Expenses on Future Periods	214	198	112	101	140	1					
Total	130,948	131,147	131,144	133,068	125,697	Total	130,948	131,147	131,144	133,068	125,697
	150,540	101,17/	101,177	122,000	120,077	· ·	150,740	121,17/	121,177	155,000	120,07/

Source: Ministry of Finance.

Table I.3.10 Summary of Balance Sheet of Each WS&S Companies at a Grance

As of 2005 (1,000 Leva) Liability Remark Capital (Service Long-Population Of which: Current Assets Term and Name of WS&S Companies Liabilities under the Sub-Financin Total Operating Profit/Loss Capital Short-WS&S as scribed Reserves ial in Total in Total Term of 2005) Capital Result Liability Share Rate (Persons) Amount to Assets 1. Blagoevgrad WS&S Co. Ltd. 159 0.92% 14,578 219,629 17.363 567 13.144 867 2.785 17.363 2. Bourgas WS&S Co. Ltd. 2,228 42,611 2,155 1,170 2.19% 46,994 6,428 53,422 426,028 3 Dobrich WS&S Co. Ltd. 26.276 % State Owned Enterprise 26.276 715 9.157 -5.535 -582 -2.21% 4,337 21.939 225.987 4. Haskovo WS&S Co. Ltd. 16,099 339 8,864 203 21 0.13% 9,406 6,693 16,099 208,523 5. Pazardzhik WS&S Co. Ltd.* 7,279 68 3,425 192 192 2.64% 3,685 3,616 7,301 174,834 6. Pleven WS&S Co. Ltd. 26,698 1.932 17,618 836 7 0.03% 20.386 6.312 26,698 315,000 7. Plovdiv WS&S Co. Ltd. 813 28.178 917 642 1.78% 29,908 6.161 36.069 720.635 8 Dunay Razgrad WS&S Co. Ltd. 12.714 1,105 10,328 198 58 0.46% 11,631 1,083 12,714 133,122 9. Smolyan WS&S Co. Ltd. 10,521 250 7,572 109 106 1.01% 7,931 2,590 10,521 144,309 10 Sofia District WS&S Co. Ltd. 38 0.21% 5,391 12,340 17,731 220,789 170 5,183 38 11 Stara Zagora WS&S Co. Ltd. 16,170 348 31 752 31 752 460 2.961 1 10% 19.591 416.338 12 161 12. Vidin WS&S Co. Ltd. 100 2.543 139 21 0.48% 2.782 1.559 4.341 152.237 13. Yambol WS&S Co. Ltd. 8,038 10,850 10.850 228 2.1 12 0.11% 8,287 2,563 156,631 14. Dimitrovgrad WS&S Co. Ltd. 3,281 48 1,242 60 26 0.79% 1,350 1,931 3,281 65,175 15. Gabrovo WS&S Co. Ltd. 17,803 6,817 -3,411 3,776 14,027 17,803 101,459 370 16 Isperih WS&S Co. Ltd. 2,883 2.883 77 1,866 21 21 0.73% 1,964 919 47.727 17. Kardzhali WS&S Co. Ltd. 13.260 316 8,259 6 4 0.03% 8,581 4,679 13,260 200,438 18. Kyustendil WS&S Co. Ltd. 14,008 192 3,978 -563 4 0.03% 3,607 10,401 14,008 n.a. 19. Lovech WS&S Co. Ltd. 10.354 237 6.537 207 93 0.90% 6.981 3.373 10.354 137,852 20. Montana WS&S Co. Ltd. 0.93% 148,096 13,693 467 10,262 133 128 10,862 2,831 13,693 18,706 21 Pernik WS&S Co. Ltd. 18 706 410 329 152,403 13.028 408 1 76% 13.846 4.860 22 Rousse WS&S Co. Ltd. 19.988 402 9,637 4,007 192 0.96% 14,046 5,942 19,988 275,538 23. Shoumen WS&S Co. Ltd. 25.701 487 11,116 83 83 0.32% 11,686 14,015 25.701 214.880 24. Silistra WS&S Co. Ltd. 0.99% 8.594 5.024 85 5.389 3.205 8.594 142.786 192 173 25. Sliven WS&S Co. Ltd. 0.42% 25,258 234,000 25.258 2.744 15.616 368 106 18.728 6.530 26. Targovishte WS&S Co. Ltd. 9.777 194 6,030 -216 -216 -2.21% 6,008 3,769 9.777 99,205 27. Varna WS&S Co. Ltd. 49,173 1,363 37,799 330 196 0.40% 39,492 9,681 49,173 461,126 28. Vratsa WS&S Co. 9,217 197 6,032 269 142 1.54% 6,498 2,719 9,217 242,975 29. Yovkovtsi WS&S Co. Ltd. -197 24.181 621 18.741 976 -0.81% 20.338 3.843 24.181 266.229 30. Asparuhov Val WS&S Co. Ltd. 17,501 289 15 172 13 5 1.73% 200 89 289 31 Batak WS&S Co. Ltd. 715 13 460 3 1 0.14% 476 239 715 7.000 32. Belovo WS&S Co. Ltd.* 206 -10 -4.04% 203 272 272 -11 69 n.a. 33. Berkovitsa WS&S Co. Ltd. 629 388 138 28 15 2.38% 554 75 629 21,466 34 Botevgrad WS&S Co. Ltd. 3,046 3,046 102 2,503 76 -11 -0.36% 2.681 41.203 365 35. Breznik WS&S Co. Ltd. 672 -35 -198 3 0.45% 593 9 602 n.a. Municipality Owned Enterprise 36 Byala WS&S Co. Ltd.* 5.152 312 4.470 72 38 0.74% 4.854 298 5.152 n.a. 37. Dupnitsa WS&S Co. Ltd. 103 1.977 -592 -170 -7.66% 1.488 731 2.219 52.000 2.219 38. Kresna WS&S Co. Ltd. 276 5 237 14 1 0.36% 256 20 276 n.a. 39. Meden Kladenets 2,226 51 1,349 29 0 0.00% 1,429 797 2,226 n.a. WS&S Co. Ltd.* 40. Peshtera WS&S Co. Ltd. 661 19 471 127 9 1.36% 617 44 661 25,000 41. Petrich WS&S Co. Ltd. 761 40 758 -201 -1 761 65.000 -0.13% 597 164 42. Sofia WS&S PJS Co. 14,583 ,228 12 962 174 1.19% 13,202 1,381 14,583 1,149,075 43. Steneto WS&S Co. Ltd. 3,044 40 2,047 639 229 7.52% 2.726 318 3,044 n.a. 44. Stretcha WS&S Co. Ltd. 175 5 138 6 3.43% 149 26 175 6 n.a. 45. Strimon WS&S Co. Ltd.* 138 5 159 -74 -30 -21.74% 90 48 138 46. Svishtov WS&S Co. Ltd. 4,014 302 4.791 452 23 23 0.48% 4.489 4.791 50.000 47. Uvecks WS&S Co. Ltd. 2.034 42 1,055 600 91 4.47% 1,697 337 2,034 47,343 48. WSS&Territorial Water 1,537 75 1,280 -71 209 -27 -4.62% 1,328 1,537 46,055 Eng. Co. Ltd.* 49. WSS&Thermal Water 89 49 -3 -4 -4.49% 2.7 16 62 89 17,000 Co. Ltd.*

(Note) * Figures as of 2004 because data being unavailable.

Source: Ministry of Finance and Ministry of Public Works and Regional Development.

Approved Price of Irrigation Water in 2005 Table I.3.11

	J	Init Price of I	rrigation Water		(Lev/m3)
	Gravity Wat		Pumped War	ter Supply	-
Enterprises of Irrigation Water	For	11 7	For	11 3	Main Service Plot
Supply	Agricultural Crops Except Paddy	For Paddy	Agricultural Crops Except Paddy	For Paddy	- Amin Set 100
Major Suppliers of Irrigation Wa			1 ddd y		
Irrigation Systems PLC.	0.0850	0.0165	0.1700	0.0170	Whole the nation where the company has the irrigation branch (537,000 ha, around 98 % of total irrigated area
Hydro Melioration-Sevlievo PLC.	0.0800		0.2000		Sevlievo Town (Around 6,000 ha are covered).
Zeminvest PLC.	0.0600		0.1600		Sofia
Member Companies of Irrigatio	n Water Suppli	ers Associa	ation_		
AI Krustio Rakovski			0.2390		Rakovski Village
AI Ludja-Kavarna 2			0.2750		Seltse Village
AI Irechek			0.2800		Irechek Village
AI Nivishta			0.2500		Dushevo Village
AI Voden Sviat			0.2400		Paisii Village
AI Dunav			0.1430		Svishtov Town
AI Belgun			0.2700		Belgun Village
AI Elena			0.1780		Vranino Village
AI Lezno			0.2750		Lezno Village
AI Kamchia			0.2100		Planinitsa Village
AI Vurtopa	0.1100				Pisarevo Village
AI Mladovo-NovaZagora	0.0930				Nova Zagora Town
AI Monina Tsurkva	0.1150				Monina Tsurkva Village
AI Korten-Iztok	0.0660				Nova Zagora Town
AI Chaika-99			0.1280		Krapets Village
AI Borets	0.0420				Borets Village
AI Urojai	0.0400				Streltsi Village
AI Stara Reka	0.0250				Biaga Village
AI Rosa	0.0700				G. Beshovitsa Village
AI Boika	0.0800				Lom Cherkovna Village
AI Ruets	0.0620				Ruets Village
AI Shabla-Tiulenovo			0.1390		Shabla Town
AI Batovska Dolina	0.0420				Obrochishte Village
AI Vaklino			0.1430		Krapets Village
AI Bratushkovo	0.1070				Bratushkovo Village
AI Sandanska Bistritsa	0.0700				Sandanski Town
AI Vlahin	0.0800				Krupnik Village
AI Starosel	0.0400				Starosel Village
AI Choba	0.0400				Choba Village
AI Rosa-M	0.0500				Markovo Village
AI Oriagovska Voda	0.0750				Oriahovitsa Village
AI Maritsa	0.0400				Radievo Village
AI Voden Sviat	0.0900				Voden Village
AI Gerena	0.0500				Dolno Voivodino Village
AI Bliagornitsa-ORI	0.0280				Orizari Village
AI Suedinenie	0.0650				Bulgarevo Town
AI Zlatna Praskova	0.0770				Dragantsi Village
AI Rujitsa-Razboina	0.0650				Rujitsa Village, Razboina Village
AI Voden Rai	0.0400				Pudarsko Village
AI Uspeh-2004	0.0500				Tsar Asen Village
AI Lipa	0.0600				Pravoslaven Village
AI Iskra	0.0400				Iskra Village
Al Porechie Tundja 02	0.0500		0.1200		Pavel Bania Town
AI Sokol	0.0500				Iazdach Village
AI Erja	0.0700				Plodovitovo Village
AI Ormana	0.0700				Panaretovtsi Village
Al Surtsevo	0.0930				Surtsevo Village
AI Gerlovo	0.0700				Turgovishte Town
AI Gorski Senovets	0.0700				Gorski Senovets Village
AI Negovanka 98	0.0500				Mihaltsi Village
AI Negovanka 98 AI Nasha Tsel 2003	0.2200				Dolna Lipnitsa Village

AI Nasha Tsel 2003 U.2

Source: Ministry of Agriculture and Forestry.

Table I.3.12 Current Water Price by WS&S Co.

(1/3)

	W	Vater Ta	riff		tment	Drainag	ge Water	Distri- bution Water	As of 2005 (Leva/
Name of Enterprise on WS&S	Indus- trial Sector	НН	Publiic User (Governmental Entities, etc.)	Public User/ HH	Indus- trial Sector	Public User/ HH	Indus- trial Sector	Price to the other WS&S Co.	Remarks/Service Area of Domestic HH
Blagoevgrad WS&S Co. Ltd.	0.562	0.562	0.625			0.060		<u> </u>	Blagoevgrad district - Blagoevgrad municipality and Simitli. Quality of drainage water: Pollution degree - 1.
	0.687	0.687	0.937			0.060			Blagoevgrad district - Dolno Tserovo village, Gomo Tserovo village, Poleto village - Pumped abstraction. Quality of drainage water: Pollution degree - 1.
	0.525	0.525	0.687			0.060 0.072			G. Delchev district - Gravity abstraction. Quality of drainage water: 0.060 Leva/m3 - Normal water. Quality of drainage water: 0.072 Leva/m3 - Pollution degree - 1
	0.687	0.687	0.937			0.060 0.720			G. Delchev district - Pumped abstraction. Quality of drainage water: 0.060 Leva/m3 - Normal water. Quality of drainage water: 0.720 Leva/m3 - Pollution degree - 1
	0.562	0.562	0.625			0.060			Razlog district - Razlog municipality, Bansko and Yakoruda. Quality of drainage water: Pollution degree - 1.
Sourgas WS&S Co. Ltd.	0.720	0.720	0.780	0.300		0.100			Long distance piped water.
	0.330	0.330	0.780			0.140			Domestic water. Ouglity of drainage water: Pollution degree - 1
					0.370				Quality of drainage water: Pollution degree - 1. Pollution degree - 1.
					0.430				Pollution degree - 2.
					0.580				Pollution degree - 3.
	0.210	0.210							Varna WS&S Co.from Priseltsi PS.
	0.200	0.200							Varna WS&S Co. from Kamchiya reservoir.
	0.350	0.350							Sliven WS&S Co. from Kamchiya reservoir.
Oobrich WS&S Co. Ltd.	0.780 1.220	0.780 1.220	1.300	0.070		0.070			Conditionally clean water. Long distance piped water.
oblicii waxa co. Eta.	0.650	0.650	1.500	0.070		0.070			Domestic water (mixed abstraction of gravity + pump).
	0.500	0.500							Domestic water with gravity abstraction only.
					0.150				Pollution degree - 1.
					0.250				Pollution degree - 2.
					0.300				Pollution degree - 3.
	1.050	1.050				0.040			Individual Contracts - Pumped abstraction.
Il WC&C C- 144	0.220	0.220	1.600			0.050			Individual Contracts - Gravity abstraction.
Iaskovo WS&S Co. Ltd.	0.250	1.250 0.250	1.600			0.050			Long distance piped water. Domestic water: gravity abstraction.
	0.910	0.910				0.050			Water comes from Dimitrovgrad WS&S Co.
	1.440	1.440				0.020			Water comes from Kardzhali WS&S Co.
azardzhik WS&S Co. Ltd.	0.550	0.550				0.100			Low Pressure: Pumped abstraction.
	0.300	0.300				0.100			Low Pressure: Gravity abstraction.
	0.600	0.600				0.100			Septemvri Municipality - Low Pressure piped abstraction.
	0.800	0.800				0.100			By Dinkata Pamidovo Shtarkelovo WS&S Co Low Pressure
	1.000	1.000				0.100			piped abstraction. Septemvri Lesichevo - High Pressure.
	0.900	0.900				0.100			Septemvri Lesichevo - Highly-pressurised (Akandzhievo village
	0.700	0.700				0.100			Belovo municipality) - Punped abstraction.
Pleven WS&S Co. Ltd.	0.930	0.930		0.070		0.070			Gravity abstraction.
	0.400	0.400				0.070			Mixed abstraction (gravity + pump).
					0.470				Pollution degree - 1.
					0.570				Pollution degree - 2.
N. F. WGOGG L.I	0.400	0.400	0.600		0.680	0.050			Pollution degree - 3.
Plovdiv WS&S Co. Ltd.	0.480	0.480	0.600	0.400		0.050			Gravity abstraction.
				0.400 0.600					Pollution degree - 1. Pollution degree - 2.
				0.800					Pollution degree - 2. Pollution degree - 3.
Razgrad WS&S Co. Ltd.	0.830	0.830		0.080		0.075			Gravity abstraction.
	1.500	1.500		0.080		1.075			Pumped abstraction.
					0.160				Pollution degree - 1.
					0.280				Pollution degree - 2.
	0.930	0.930			0.440				Pollution degree - 3.
	0.930	0.930						0.500	Conditionally clean water. Water distributed to Rousse WS&S Co.
								0.630	Water distributed to Isperih WS&S Co.
Smolyan WS&S Co. Ltd.	0.950	0.950		0.450		0.050			Pumped abstraction.
	0.650	0.650							Gravity abstraction.
Sofia District WS&S Co. Ltd.	0.900	0.900	1.150	0.200		0.150			Pumped abstraction.
				0.200					Quality of drainage water: Pollution degree - 1.
	0.450	0.450	0.650	0.300		0.150			Pollution degree - 1.
	0.450	0.450	0.650	0.200		0.150			Gravity abstraction. Quality of drainage water: Pollution degree - 1.
				0.300					Pollution degree - 1.
	0.700	0.700	0.950	0.200		0.150			Mixed type of water abstraction (gravity + pump).
	200								Quality of drainage water: Pollution degree - 1.
	_								Treatment: Pollution degree - 1.
				0.200					Individual Contract - Water abstracted by gravity.
				0.340		1.280			Individual Contract - Water abstracted by gpumping.
		_		_			_	_	

Table I.3.12 Current Water Price by WS&S Co.

(2/3)

	W	/ater Ta			tment harge	Drainag	ge Water	Distri- bution Water	
Name of Enterprise on WS&S	Indus- trial Sector	НН	Publiic User (Governmental Entities, etc.)	Public User/ HH	Indus- trial Sector	Public User/ HH	trial	Price to the other WS&S Co.	Remarks/Service Area of Domestic HH
Stara Zagora WS&S Co. Ltd.	1.150	1.150		0.150		0.050			Pumped abstraction.
	0.750	0.750			0.500				Gravity abstraction. Pollution degree - 1.
					0.600				Pollution degree - 2.
					0.800				Pollution degree - 3.
Vidin WS&S Co. Ltd.	1.030	1.030	1.030			0.140	0.210		Pumped abstraction.
Yambol WS&S Co. Ltd.	0.720 1.000	1.000	0.720 1.000			0.110	0.110		Gravity abstraction.
Dimitrovgrad WS&S Co. Ltd.	0.930	0.930	0.600			0.080	0.120		
Gabrovo WS&S Co. Ltd.	1.050	1.050	1.300	0.200		0.130	0.120		
					0.700 0.900 1.350				Pollution degree - 1. Pollution degree - 2. Pollution degree - 3.
sperih WS&S Co. Ltd.	1.466	1.466	1.466		1.550				Foliution degree - 5.
Kardzhali WS&S Co. Ltd.	0.830	0.830	0.900			0.060	0.060		
Kyustendil WS&S Co. Ltd.	0.850	0.850	1.250	0.200	0.700	0.100	0.800		Kyustendil Municipality.
	0.950	0.950	1.250			0.100			Bobov Dol Municipality.
	0.850	0.850	1.250						Treklyano Municipality. Nevestino and Treklyano Municipalities.
	1.000	1.000	1.250						Boboshevo Municipality
	0.620	0.620	0.800						Rila Municipality
	0.800	0.800	1.000						Kocherinovo Municipality
1 WOOG C 141	0.000	0.000	0.000			0.000	0.000	0.490	Distribute to Dupnitsa WS&S Co.
Lovech WS&S Co. Ltd.	0.800	0.800	0.900			0.080	0.080	0.080	Lovech istrict. Cherni Osam WSS (water supply system) of Pleven WS&S Co.
									Cherni Osam WSS of Pleven WS&S Co.
								0.160	Zlatna Panega WSS of Pleven WS&S Co.
									Toplya WSS of Troyan WS&S Co.
									Cherni Osam WSS of Troyan WS&S Co.
Montana WS&S Co. Ltd.	0.880	0.880	0.980	0.030	0.030	0.160	1.160	0.090	Apriltsi WSS of Troyan WS&S Co. Pumped abstraction.
Week Co. Etc.	0.580	0.580	0.960	0.030	0.030	0.160	1.160		Mixed abstracion (gravity + pump).
	0.420	0.580	0.450	0.030	0.030	0.160	1.160		Gravity abstraction.
	0.600	0.600						0.140	Conditionally clean water.
								0.050	Distribute to Vidin WS&S Co. From Srechenska Bara reservoir to Berkovitsa WS&S Co. From Srechenska bara reservoir to Vratsa WS&S Co.
Pernik WS&S Co. Ltd.	0.720	0.720	0.820	0.200	0.350	0.150	0.150	0.070	Water purification treatment - Pollution degree - 1. Other WS&S C.
Rousse WS&S Co. Ltd.	0.800	0.800	0.900			0.080	0.100	0.070	Other ws&s C.
Shoumen WS&S Co. Ltd.	1.130	1.130	1.200	0.120		0.100			Pumped abstraction.
	0.420	0.420	0.450						Gravity abstraction.
Silistra WS&S Co. Ltd. Sliven WS&S Co. Ltd.	1.250	1.250 0.920	1.250	0.100		0.060	0.060		Mind the desire (see its towns)
silveii w s&s Co. Ltd.	0.920	0.920		0.100		0.080			Mixed abstraction (gravity + pump). Gravity abstraction.
Cargovishte WS&S Co. Ltd.	1.250	1.250	1.360	0.050		0.080			Pumped abstraction.
-	0.600	0.600	0.600			0.080			Gravity abstraction.
								0.100	Distribute to Sliven WS&S Co. Ltd.
									Gravity abstraction water. Pumped abstraction water.
Varna WS&S Co. Ltd.	0.800	0.800	0.900	0.300		0.200	0.200		F
					0.350				Pollution degree - 1.
					0.500				Pollution degree - 2.
Vratsa WS&S Co. Ltd.	0.980	0.980	0.980	0.120	0.820	0.100	0.100		Pollution degree - 3. Pumped abstraction.
	0.700	5.760	0.700	0.120	0.490	0.100	0.100		Pollution degree - 1.
					0.550				Pollution degree - 2.
	0.580	0.580		0.4		0	0.6		Conditionally clean water.
Yovkovtsi WS&S Co. Ltd.	0.900	0.900	1.020	0.460	0.350	0.080	0.080		Pollution degree - 1.
					0.590				Pollution degree - 1. Pollution degree - 2.
					0.800				Pollution degree - 3.
								0.150	Other WS&S C.
Asparuhov Val WS&S Co. Ltd.	0.840	0.840	0.840			0.800			Detak Mynicinality
Batak WS&S Co. Ltd.	0.540	0.360				0.030			Batak Municipality. Nova Mahala, Fotinovo.
	0.560	0.400				0.030			Batak Reservoir.
Belovo WS&S Co. Ltd.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	
Berkovitsa WS&S Co. Ltd.	0.400	0.400	0.935			0.100	0.140		Gaganitsa Villedge.
	0.650	0.650	0.935			0.100	0.140		Berkovitsa and Kostentsi Villages. Villeges of Balyovitsa, Bistrilitsa, Bokilovtsi, Borovtsi, Zamfirovo,
	0.080	0.080	0.935			0.100	0.140		Villeges of Balyovitsa, Bistrilitsa, Bokilovtsi, Borovtsi, Zamfirovo, Tsvetkova Bara, Yagodov, Slatina, Komarevo, Parlichevo, Mezdrey
									Rashovitsa, Pesochnitsa, and Rakovitsa Quarter.

Table I.3.12 Current Water Price by WS&S Co.

(3/3)

									As of 2005 (Leva/m3
	W	/ater Ta			atment charge	Drainag	e Water	Distri- bution Water	
Name of Enterprise on WS&S	WS&S Industrial Sector 0.350 0.150	НН	Publiic User (Governmental Entities, etc.)	Public User/ HH	Indus- trial Sector	Public User/ HH	Indus- trial Sector	Price to the other WS&S Co.	Remarks/Service Area of Domestic HH
Botevgrad WS&S Co. Ltd.	0.350	0.350	0.420	0.210	0.210	0.130	0.210	C0.	
Breznik WS&S Co. Ltd.		0.150		0.2.0		0.120	0.2.0		Supplied water comes from Pernik WS&S Co.
Byala WS&S Co. Ltd.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	
Dupnitsa WS&S Co. Ltd.	0.490	0.490	0.600	0.200		0.090	0.100		
					0.200 0.350 0.600				Pollution degree - 1. Pollution degree - 2. Pollution degree - 3.
Kresna WS&S Co. Ltd.	0.270	0.270	0.480			0.040	0.060		Ü
Meden Kladenets WS&S Co. Ltd.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	
Peshtera WS&S Co. Ltd.	0.530	0.530	0.990			0.110	0.110		
									Budget consumers
Petrich WS&S Co. Ltd.		0.600	1.100			0.100			Gravity abstraction.
		0.800	1.100		(7777)	0.100			Mixed abstracion (gravity + pump).
Sofia WS&S PJS Co.	0.461	0.509	0.522	0.130 0.140	(HH) (Public User)	0.121 0.136	0.140		
					0.200				Pollution degree - 1.
					0.260				Pollution degree - 2.
					0.300				Pollution degree - 3.
Steneto WS&S Co. Ltd.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	
Stretcha WS&S Co. Ltd.		n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	
Strimon WS&S Co. Ltd.		0.340	0.350						Gravity abstraction.
		0.600	0.720						Pumped abstraction.
Svishtov WS&S Co. Ltd.		0.940	0.940			0.060			
Uvecks WS&S Co. Ltd.	0.320	0.320	0.450		0.042	0.050	0.050		P. 11 - 2
					0.042				Pollution degree - 1.
Water Supply, Sewerage and Territorial	0.210	0.310	0.420		0.045	0.100	0.100		Pollution degree - 2. Velingrad Municipality.
Water Engineering Co. Ltd		0.310	0.420			0.100	0.100		Draginovo Village.
water Engineering Co. Ltd		0.220	0.420			0.070	0.070		Other Velingrad District.
Water Supply, Sewerage and Thermal		0.220	0.420			0.030	0.030		Other Verlingrad District.
Water Co. Ltd							3.033		David Market Control of the Control
Bratsigovo WS&S Co. Ltd.	0.430	0.430	0.780			0.070			Bratsigovo Municipality and Villeges of Byala, Isperihovo, Kozarsko.
	0.350	0.350	0.780						Villeges of Rozovo, Rovnogor, Zhrebichko.
Kovatchevtsi WS&S Co. Ltd.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	
Kubrat WS&S Co. Ltd.	1.490	1.490	1.490	0.083		0.083			
Panagyurishte WS&S Co. Ltd.								1.150	Distribute to Strelcha WS&S Co.
Sevlievo WS&S Co. Ltd.		0.500	0.700			0.100	0.150		Gravity abstraction.
	0.900	0.900	1.400						Mixed abstracion (gravity + pump).
								0.070	Distribute to Lovech WS&S Co.
D : WOOGG III	0.400	0.400	0.600					0.250	Distribute to Gabrovo WS&S Co.
Barziya WS&S Co. Ltd.	0.400	0.400	0.600			0.210		0.250	Distribute to Verma WC 9cC Co
Zlatni Pyasatsi WS&S Co. Ltd.	1.280	1.280				0.210		0.350	Distribute to Varna WS&S Co.

Source: Ministry of Public Works and Regional Development.

Table I.3.13 Water Use Taxation System in Bulgaria

November 13, 2001.

(Note) This taxes is levied for Water Use Companies Including Water Supply and Sewerage Companies. The taxes should pay by the compnies to the Ministry of Environment and Water.

For Commercial Use

1. Electric Companies

Tax Calculation Formula: $T = E \times W \times K$

Where, T: The amount of tax

E: Basic price, 0.001 Levs/m3

K: Coefficient, Head (m)/450

2. Ordinary Commercial Use

Pirpose of Water Use	Basic Price (E)	Coeffic	cient (K) by C	ategory
i lipose of water ose	(Levs/m3)	Category 1	Category 2	Category 3
(1) Drinking Water	0.02	1	0.5	0.3
(2) Irrigation, Livestocks, Fish Breeding				
(2) - 1 In Case of Surface Water	0.0005	5	1.5	1
(2) - 2 In Case of Groundwater	0.005	5	1.5	1
(3) Cooling Use for Industries	0.0001	4	2	1
(4) Recreation Use (Swimming)	0.04	1	0.5	0.3
(5) Industrial Use	0.008	5	1.5	1
(6) Other Use	0.01	5	3	2

3. Mineral Water (Natural Water) to Be Taken

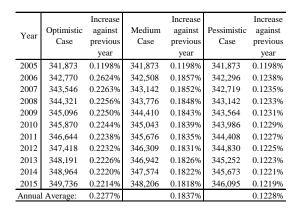
Pirpose of Water Use	Basic Price (E)	Coeffic	cient (K) by C	ategory
riipose of water Ose	(Levs/m3)	Category 1	Category 2	Category 3
(1) Medical Use (for Rehabilitation, Health Care, and Some Medical Treatment)	0.5	1	0.5	0.3
(1)-a Drinking Use (for the area where the piped water supply system is not facilitated yet)	0.03	1	1	1
(2) Recreation Use (Swimming, Public Bathing, etc.)	0.5	2	1	0.5
(3) Other Use	0.5	3	2	1

4. Other Public Use and Wastewater Discharge

т	Pirpose of Water Use	Basic Price (E)	Coefficient (K) by Category						
	ripose of water Ose	Basic Frice (E)	Category 1	Category 2	Category 3				
(1) Recreati	on Use (Surfing, etc.)	0.1 Levs/m2	1	0.5	0.5				
(2) Fish Bre	eeding in River	0.01 Levs/m2	1	0.3	0.1				
(3) Fish Bre	eeding in Sea	0.005 Levs/m2	1 (ory)					
(4) Barrow	Pits Along Rivers	0.2 Levs/m3	1	0.8	0.5				
(5) Wastew	ater Discharge								
(5) - 1	Category - 1	0.001 Levs/m3	1	0.5	0.2				
(5) - 2	Category - 2	0.002 Levs/m3	1	1	0.5				
(5) - 3	Category - 3	0.003 Levs/m3	1	1	1				
(5) - 4	Not included in Category 3	0.01 Levs/m3	1	1	1				
(5) - 5	Discharge into the Sea	0.003 Levs/m3	1 ((no any catego	ory)				

Source: "State Gazette", as dated above, Council of Ministers.

Supporting Report I Figures



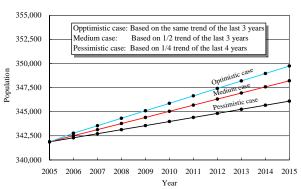


Figure I.1.1 Population Projection of the Municipality of Plovdiv

Year	Optimistic Case	Increase against previous year	Medium Case	Increase against previous year	Pessimistic Case	Increase against previous year
2005	77,462	0.0517%	77,462	0.0517%	77,462	0.0517%
2006	77,502	0.0510%	77,482	0.0258%	77,472	0.0129%
2007	77,541	0.0516%	77,502	0.0258%	77,482	0.0129%
2008	77,581	0.0515%	77,522	0.0257%	77,492	0.0129%
2009	77,621	0.0515%	77,542	0.0257%	77,502	0.0129%
2010	77,661	0.0514%	77,562	0.0257%	77,512	0.0128%
2011	77,701	0.0514%	77,582	0.0257%	77,522	0.0128%
2012	77,741	0.0513%	77,602	0.0257%	77,532	0.0128%
2013	77,781	0.0512%	77,621	0.0256%	77,542	0.0128%
2014	77,821	0.0512%	77,641	0.0256%	77,552	0.0128%
2015	77,860	0.0511%	77,661	0.0256%	77,562	0.0128%
Annua	l Average:	0.0513%		0.0257%		0.0128%

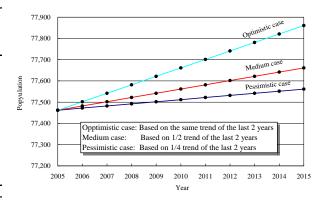


Figure I.1.2 Population Projection of the Municipality of Blagoevgrad

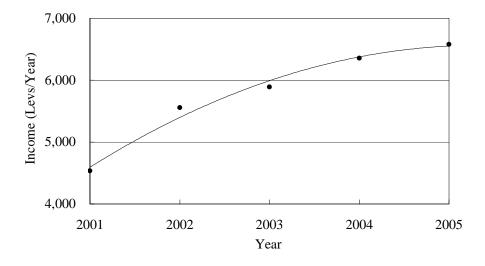
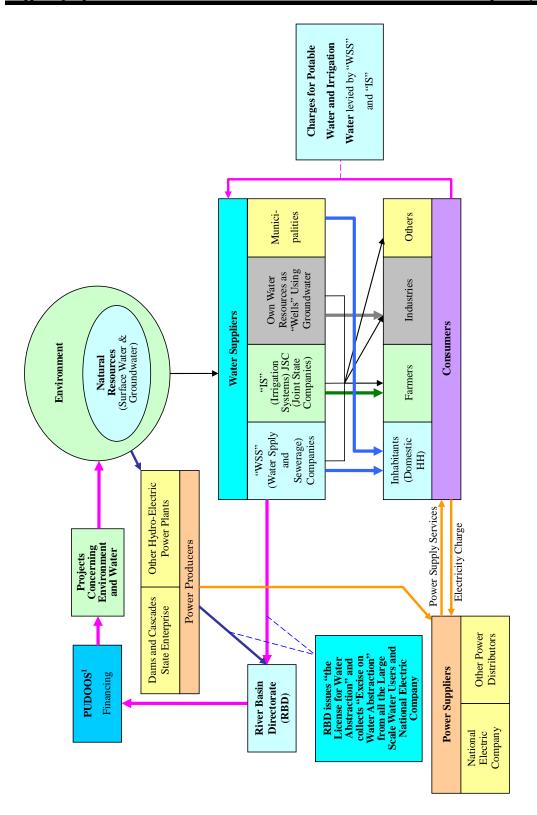


Figure I.1.3 Changes of Income Level per Household in Bulgaria for Past Several Year



(Note 1): PUDOOS is an "Enterprise for Management of Environment Protection Activities" established as a legal entity under the Law on Environmental Protection Art. 60, Item 1 (published in the State Gazette No.91, September 25, 2002). It is non-profit enterprise in the sense of Art 62, Item 3 of the Commercial Act of the Republic of Bulgaria. The PUDOOS is the legal successor of the former "National Environment Protection Fund". The Statute of the PUDOOS was adopted by a Decree of the Council of the Ministers No.319 issued on December 29, 2003.

Figure I.3.1 Cycle of Tariff Collection Systems on Water Works

Annex I.1

Supplementary Tables for Economic Analysis

Table 1 Annual Disbursement of Project Cost of Irrigation Improvement Conponent in Case of Target Year of 2015 the Services to Be Started Fully in the West Aegean River Basin

	Total Amount	2011	201		201		201			
	of Project	st Priority: 51.51%	1st Priority:	48.49%	1st Priority:	0.00%	1st Priority:	0.00%		
	Cost	Share Rate of Invested	2nd Priority:	4.28%	2nd Priority:	72.88%	2nd Priority:	22.84%		
Cost Item		Amount in Each Priority			3rd Priority:	0.00%	3rd Priority:	100.009		
Cost Item		1st Priority: 1,827	1st Priority:	3,546	1st Priority:	3,546	1st Priority:	3,546		
		mproved Area in Each	2nd Priority:	173	2nd Priority:	3,123	2nd Priority:	4,047		
		Priority along the Period	3rd Priority:	0	3rd Priority:	0	3rd Priority:	2,554		
	Sub-Total (ha)	1,827		3,719		6,669		10,148		
In EURO (€)										
Direct Cost	33,649,259	8,412,315	8,412,		8,412,		8,412.			
Constrction Cost	32,221,469	8,055,367	8,055,		8,055,		8,055			
Cost of Machinery	961,190	240,298	240,		240,		240.			
Cost of Electricity	466,600	116,650	116,		116,			,650		
Engineering Cost	3,364,926	841,231	841,		841,		841.			
Administration Cost	1,682,463	420,616	420,		420,		420,			
Fiscal Contingency	3,364,926	841,231	841,	231	841,	231	841.	,231		
Total Financial Cost excl. Price Escalation	42,061,574	10,515,393	10,515,	393	10,515,	393	10,515.	,393		
Price Escalation	7,213,299	1,278,463	1,621,	664	1,974,	853	2,338.	,319		
Total Financial Cost incl. Price Escalation	49,274,873	11,793,857	12,137,	058	12,490,	246	12,853.	,712		
Total Economic Cost excl. Price Escalation	34,184,935	8,546,234	8,546,	234	8,546,	234	8,546	,234		
n Bulgarian Lev (Lev)										
Direct Cost	65,878,856	16,469,714	16,469,	714	16,469,	714	16,469	,714		
Engineering Cost	6,587,886	1,646,971	1,646,971		1,646,	971	1,646	,971		
Administration Cost	3,293,943	823,486	823,	486	823,	486	823.	,486		
Fiscal Contingency	6,587,886	1,646,971	1,646,	971	1,646,	971	1,646	,971		
Total Financial Cost excl. Price Escalation	82,348,570	20,587,142	20,587,	142	20,587,142		20,587	,142		
Price Escalation	14,122,269	2,502,988	3,174,	911	3,866,386		4,577	,984		
Total Financial Cost incl. Price Escalation	96,470,838	23,090,130	23,762,	053	24,453,	529	25,165.	,126		
Total Economic Cost excl. Price Escalation	66,927,608	16,731,902	16,731,	902	16,731,	902	16,731	,902		
(Notes)										
Engineering Cost:		10.00%	of direct cost.							
Administration Cost:		5.00%	of direct cost.							
Fiscal Contingency:		10.00%	of direct cost.							
Value Added Tax:		20.00%	of the cost for e	auipment a	nd materials.					
Sahre Rate of Labors:										
For Construction:		70.00%	of the construct	ion cost.						
For Machinery:		20.00%	of the machiner							
For Electricity:		20.00%	of the electricity	-						
Shadow Wage Rate of U	Jnskilled Labor:	90.00%	based on domestic samples of construction works.							
Rate of Personal Income		20.00%	according to the							
Corporate Income Tax:		15.00%	according to the							
Standard Conversion Fa	ctor for Equipent		based on the sta							
Price Escalation Rate:	Equipon	2.91%	based on the Cl							
		2.71/0	Janea on the Ci							
	1.00 Bulgarian I	ev = 0.5108	EURO according to	the FOREX is	n OANDA.Com as of	f Aug. 31, 200'	7.			
Exchange Rates:	1.00 Bulgarian I 1.00 EURO =	ev = 0.5108 1.9578			n OANDA.Com as of ording to the FOF		7.			

Table 2 Annual Disbursement of Project Cost of Irrigation Improvement Conponent in Case of Target Year of 2015 the Services to Be Started Fully in the East Aegean River Basin

	Track 1 A	201	11	201	2	201	3	201	4			
	Total Amount 1	st Priority:	68.34%	1st Priority:	31.66%	1st Priority:	0.00%	1st Priority:	0.00%			
	of Project Cost S	hare Rate of Ir	nvested	2nd Priority:	37.20%	2nd Priority:	62.80%	2nd Priority:	0.00%			
Cost Item	Cost A	mount in Each	h Priority	3rd Priority:	0.00%	3rd Priority:	8.58%	3rd Priority:	91.42%			
Cost nem	Suitable 1	st Priority:	12,977	1st Priority:	18,990	1st Priority:	18,990	1st Priority:	18,990			
	Irrigation Area Ir	mproved Area	in Each	2nd Priority:	7,888	2nd Priority:	21,206	2nd Priority:	21,206			
		riority along th		3rd Priority:	0	3rd Priority:	1,819	3rd Priority:	23,098			
	Sub-Total (ha)		12,977	•	26,878	<u> </u>	42,015	-	63,294			
In EURO (€)												
Direct Cost	184,623,420	46,155,	,855	46,155,	855	46,155,	855	46,155,855				
Constrction Cost	178,216,621	44,554,	,155	44,554,	155	44,554,	155	44,554,	155			
Cost of Machinery	4,646,113	1,161,	,528	1,161,	528	1,161,	528	1,161,	528			
Cost of Electricity	1,697,000	424,	,250	424,	250	424,	250	424,	250			
Engineering Cost	18,462,342	4,615,	,586	4,615,	586	4,615,	586	4,615,	586			
Administration Cost	tion Cost 9,231,171		,793	2,307,	793	2,307,	793	2,307,	793			
Fiscal Contingency	Contingency 18,462,342		,586	4,615,	586	4,615,	586	4,615,	586			
Total Financial Cost excl. Price Escalation	730 779 775		,819	57,694,	819	57,694,	819	57,694,	819			
Price Escalation	39,577,213	7,014,	.544	8,897,	587	10,835,	426	12,829,	656			
Total Financial Cost incl.			,363	66,592,		68,530,		70,524,				
Total Economic Cost excl. Price Escalation	Economic Cost		,113	46,825,113		46,825,	113	46,825,113				
In Bulgarian Lev (Lev)												
Direct Cost	361,457,578	90,364,	394	90,364,	394	90,364,	394	90,364,	394			
Engineering Cost	36,145,758	9,036,		9,036,439		9,036,		9,036,				
Administration Cost	18,072,879	4,518,		9,030,439 4,518,220		4,518,		4,518,				
Fiscal Contingency	36,145,758	9,036,		9,036,439		9,036,		9,036,				
Total Financial Cost	30,143,736	7,030,	,437			7,030,	+37	7,030,	+37			
excl. Price Escalation	451,821,972	112,955,	,493	112,955,493		112,955,	493	112,955,	493			
Price Escalation	77,484,664	13,733,	,145	17,419,785		21,213,705		25,118,	029			
Total Financial Cost incl. Price Escalation	529,306,637	126,688,	,638	130,375,278		134,169,198		138,073,	522			
Total Economic Cost excl. Price Escalation	366,698,698	91,674,	,674	91,674,674		91,674,	674	91,674,674				
(Notes)												
Engineering Cost:			10.00%	of direct cost.								
Administration Cost:			5.00%	of direct cost.								
Fiscal Contingency:			10.00%	of direct cost.								
Value Added Tax:			20.00%	of the cost for e	quipment ar	nd materials.						
Sahre Rate of Labors:												
For Construction:			70.00%	of the construct	ion cost.							
For Machinery:			20.00%	of the machiner								
For Electricity:			20.00%	of the electricity								
Shadow Wage Rate of U	Jnskilled Labor:		90.00%			of construction	works.					
Rate of Personal Income			20.00%	according to the	-							
Corporate Income Tax:			15.00%	according to the		-						
Standard Conversion Fa	ctor for Equipent:	:	97.17%	based on the sta	tistics on In	ternational Trad	e and Cons	olidated Governm	nent			
Price Escalation Rate:			2.91%	Revenue and Expenditure, NSI. based on the CPI, NSI.								
Exchange Rates:	1.00 Bulgarian L	ev –	0.5108	•								
Exchange Rates.	1.9578		-			NDA.Com as of A	Aug. 31,					
	1.00 EURO =		157.92	Japanese Yen according to the FOREX in OANDA.Com as of Aug. 31, 2007.								

Table 3 Annual Disbursement of Project Cost of Irrigation Improvement Conponent in Case of Target Year of 2015 the Services to Be Started Fully in the West and East Aegean River Basin

	T-1-1 A	20	11	201	2	201	3	2014				
	Total Amount • of Project	1st Priority:	65.06%	1st Priority:	34.94%	1st Priority:	0.00%	1st Priority:	0.00%			
	Cost	Share Rate of I	nvested	2nd Priority:	32.33%	2nd Priority:	67.67%	2nd Priority:	0.00%			
Cost Item	4	Amount in Eac	h Priority			3rd Priority:	3.01%	3rd Priority:	96.99%			
Cost item	20 % or Potential	1st Priority:	14,662	1st Priority:	22,536	1st Priority:	22,536	1st Priority:	22,536			
	Irrigation Area	Improved Area		2nd Priority:	8,165	2nd Priority:	25,253	2nd Priority:	25,253			
	(ha)	Priority along t	he Period			3rd Priority:	761	3rd Priority: 2				
	Sub-Total (ha)		14,662		30,701		48,550		73,441			
In EURO (€)												
Direct Cost	218,272,679	54,568	,170	54,568,	170	54,568,	170	54,568,170				
Constrction Cost	210,438,090	52,609	,523	52,609,	523	52,609,	523	52,609,	523			
Cost of Machinery	5,607,303	1,401	,826	1,401,	826	1,401,	826	1,401,	826			
Cost of Electricity	2,163,600	540	,900	540,	900	540,	900	540,	900			
Engineering Cost	21,827,268	5,456	,817	5,456,	817	5,456,	817	5,456,	817			
Administration Cost	10,913,634	2,728	,408	2,728,	408	2,728,	408	2,728,	408			
Fiscal Contingency	21,827,268	5,456	,817	5,456,	817	5,456,	817	5,456,	817			
Total Financial Cost excl. Price Escalation	rice Escalation 272,840,849		,212	68,210,	212	68,210,	212	68,210,	212			
Price Escalation	otal Financial Cost incl. 319 631 361		,008	10,519,	251	12,810,	279	15,167,	975			
Total Financial Cost incl. Price Escalation			,220	78,729,	463	81,020,	491	83,378,187				
Total Economic Cost excl. Price Escalation	221,485,387	55,371	,347	55,371,	347	55,371,	347	55,371,	347			
In Bulgarian Lev (Lev)												
Direct Cost	427,336,434	106,834	,108	106,834,108		106,834,	108	106,834,	108			
Engineering Cost	42,733,643	10,683	,411	10,683,411		10,683,	411	10,683,	411			
Administration Cost	21,366,822	5,341	,705	5,341,	705	5,341,	705	5,341,	705			
Fiscal Contingency	42,733,643	10,683	,411	10,683,411		10,683,	411	10,683,	411			
Total Financial Cost excl. Price Escalation	534,170,542	133,542	,636	133,542,636		133,542,	636	133,542,	636			
Price Escalation	91,606,933	16,236	,133	20,594,	695	25,080,092		29,696,	013			
Total Financial Cost incl. Price Escalation	625,777,475	149,778	,769	154,137,	331	158,622,727		163,238,	648			
Total Economic Cost excl. Price Escalation	433,626,306	108,406	,576	108,406,576		108,406,	576	108,406,576				
(Notes)												
Engineering Cost:			10.00%	of direct cost.								
Administration Cost:			5.00%	of direct cost.								
Fiscal Contingency:			10.00%	of direct cost.								
Value Added Tax:			20.00%	of the cost for e	quipment a	nd materials.						
Sahre Rate of Labors:												
For Construction:			70.00%	of the construct	ion cost.							
For Machinery:			20.00%	of the machiner	y cost.							
For Electricity:			20.00%	of the electricity	y cost.							
Shadow Wage Rate of U	Unskilled Labor:		90.00%	based on domes	stic samples	of construction	works.					
Rate of Personal Income	e Tax:		20.00%	according to the	Tax Low i	n Bulgaria.						
Corporate Income Tax:			15.00%	according to the	Tax Low i	n Bulgaria.						
Standard Conversion Fa	actor for Equipen	t:	97.17%	based on the sta Revenue and E			e and Cons	olidated Governn	nent			
Price Escalation Rate:			2.91%	based on the CPI, NSI.								
Exchange Rates:	1.00 Bulgarian I	Lev =	0.5108			REX in OANDA	A.Com as of	f Aug. 31, 2007.				
C	1.00 EURO =		1.9578 I		8 Bulgarian Lev (BGN) according to the FOREX in OANDA.Com as of Aug. 31, 2007.							
	1.00 EURO =		157.92	Japanese Yen a	ccording to	the FOREX in C	OANDA.Co	m as of Aug. 31,	2007.			

Table 4 Annual Disbursement of Project Cost of Irrigation Improvement Component in Practical Case of the Year of 2021 the Services to Be Started Fully in the West Aegean River Basin

		20	11	201	2	2013	3	2014	4	201:	5	201	6	201	7	201	8	2019		2020	
	Total Amount of		20.60%	1st Priority:	20.60%	1st Priority:	20.60%	1st Priority:	20.60%	1st Priority:	17.58%										
	Project	2nd Priority:	0.00%	2nd Priority:	0.00%	2nd Priority:	0.00%	2nd Priority:	0.00%	2nd Priority:	4.28%	2nd Priority:	29.15%	2nd Priority:	29.15%	2nd Priority:	29.15%	2nd Priority:	8.27%		
	Cost	3rd Priority:	0.00%	3rd Priority:	0.00%	3rd Priority:	0.00%	3rd Priority:	0.00%	3rd Priority:	0.00%	3rd Priority:	0.00%	3rd Priority:	0.00%	3rd Priority:	0.00%	3rd Priority:	41.74%	3rd Priority:	58.26%
Cost Item	Serviceable	1st Priority:	731	1st Priority:	1,461	1st Priority:	2,192	1st Priority:	3,546	1st Priority:	3,546	1st Priority:	3,546	1st Priority:	3,546	1st Priority:	3,546	1st Priority:	3,546	1st Priority:	3,546
	Irrigation Area	2nd Priority:	0	2nd Priority:	0	2nd Priority:	0	2nd Priority:	0	2nd Priority:	173	2nd Priority:	1,353	2nd Priority:	2,533	2nd Priority:	4,047	2nd Priority:	4,047	2nd Priority:	4,047
	(ha)	3rd Priority:	0	3rd Priority:	0	3rd Priority:	0	3rd Priority:	0	3rd Priority:	0	3rd Priority:	0	3rd Priority:	0	3rd Priority:	0	3rd Priority:	1,066	3rd Priority:	2,554
	Sub-Total (ha)		731		1,461		2,192		3,546		3,719		4,899		6,079		7,594		8,660		10,148
In EURO (€)																					
Direct Cost	33,649,259	3,364	926	3,364,	926	3,364,9	926	3,364,9	926	3,364,9	926	3,364,9	926	3,364,	926	3,364,	926	3,364,	926	3,36	54,926
Constrction Cost	32,221,469	3,222	147	3,222,	147	3,222,1	147	3,222,	147	3,222,	147	3,222,	147	3,222,	147	3,222,	147	3,222,	147	3,22	22,147
Cost of Machinery	961,190	96	119	96,	119	96,1	119	96,	119	96,	119	96,	119	96,	119	96,	119	96,	119	ç	96,119
Cost of Electricity	466,600) 46	,660	46,	660	46,6	560	46,0	560	46,0	560	46,0	660	46,	560	46,	660	46,	560	4	46,660
Engineering Cost	3,364,926	336	493	336,	493	336,4	193	336,4	493	336,4	193	336,	493	336,	193	336,	493	336,	193	33	36,493
Administration Cost	1,682,463		246	168,		168,2		168,	246	168,2	246	168,	246	168,		168,	246	168,	246	16	58,246
Fiscal Contingency	3,364,926	336	493	336,	493	336,4	193	336,4	493	336,4	193	336,	493	336,	493	336,	493	336,	493	33	36,493
Total Financial Cost excl. Price Escalation	42,061,574	4,206	,157	4,206,	157	4,206,1	157	4,206,	157	4,206,	157	4,206,	157	4,206,	157	4,206,	157	4,206,	157	4,20	06,157
Price Escalation	11,796,144	511	385	648,	666	789,9	941	935,3	328	1,084,9	945	1,238,9	916	1,397,	367	1,560,	430	1,728,	238	1,90	00,929
Total Financial Cost incl. Price Escalation	53,857,718	3 4,717	543	4,854,	823	4,996,0)98	5,141,4	485	5,291,	102	5,445,0	073	5,603,	525	5,766,	587	5,934,	395	6,10	07,086
Total Economic Cost excl. Price Escalation	34,184,935	3,418	494	3,418,	494	3,418,4	194	3,418,	494	3,418,4	194	3,418,	494	3,418,	194	3,418,	494	3,418,	194	3,41	18,494
In Bulgarian Lev (Lev)																					
Direct Cost	65.878.856	6,587	886	6,587,	886	6,587.8	886	6,587,	886	6,587,8	886	6,587.3	886	6,587.	886	6,587,	886	6,587,	886	6.58	37.886
Engineering Cost	6,587,886			658,		658,7	789	658,		658,	789	658,	789	658,	789	658,		658,		65	58,789
Administration Cost	3,293,943		.394	329,	394	329,3	894	329,3	394	329,3	394	329,	394	329,	394	329,	394	329,	394	32	29,394
Fiscal Contingency	6,587,886	658	789	658,	789	658,7	789	658,	789	658,	789	658,	789	658,	789	658,	789	658,	789	65	58,789
Total Financial Cost excl. Price Escalation	82,348,570	8,234	.857	8,234,	857	8,234,8	357	8,234,	857	8,234,8	357	8,234,	857	8,234,	857	8,234,	857	8,234,	857	8,23	34,857
Price Escalation	23,094,608	3 1,001	.195	1,269,	964	1,546,5	555	1,831,	194	2,124,	116	2,425,	562	2,735,	780	3,055,	025	3,383,	561	3,72	21,657
Total Financial Cost incl. Price Escalation	105,443,178	9,236	,052	9,504,	821	9,781,4	111	10,066,0	051	10,358,9		10,660,	419	10,970,		11,289,	882	11,618,	418	11,95	56,514
Total Economic Cost excl. Price Escalation	66,927,608	6,692	761	6,692,	761	6,692,7	761	6,692,	761	6,692,	761	6,692,	761	6,692,	761	6,692,	761	6,692,	761	6,69	92,761
(Notes)																					
Engineering Cost:			10.00%	of direct cost.				Rate of Person	al Income	Γax·	20.00%	according to the	Tax Low i	n Bulgaria							
Administration Cost:			5.00%	of direct cost.				Corporate Inco			15.00%	according to the		0							
Fiscal Contingency:			10.00%					-				C		mational Trade and	Consolidate	ed Government Res	venue and				
Value Added Tax:			20.00%	of the cost for e	auipment a	nd materials.		Standard Conv	ersion Fact	or for Equipent:	97.17%	Expenditure, NSI		maiona Trade and	Comondate	a coverament Re	· chuc and				
Sahre Rate of Labors:					1 1 10111			Price Escalation	n Rate:		2.91%	based on the CP	I. NSI.								
For Construction :			70.00%	of the constructi	on cost.			Exchange Rate			0.5108			REX in OANDA	Com as of	Aug. 31, 2007.					
For Machinery:			20.00%						1.00 Bulga	rian Lev =	1.9578		_	rding to the FOR			Aug. 31.				
For Electricity:			20.00%	of the electricity					1.00 Burga 1.00 EURC			2007.	_ 51., 4000	g to all 1 OK							
Shadow Wage Rate of	Unskilled Labor:		90.00%			of construction w	orks.		1.00 EURC		157.92	Japanese Yen ad	ccording to	the FOREX in O	ANDA.Co	m as of Aug. 31,	2007.				

Table 5 Annual Disbursement of Project Cost of Irrigation Improvement Conponent in Practical Case of the Year of 2021 the Services to Be Started Fully in the East Aegean River Basin

	T . 1 A	c 20	011	201	12	201	3	201	4	201	5	201	6	201	7	201	8	201	9	202	20
	Total Amount of	1st Priority:	27.34%	1st Priority:	27.34%	1st Priority:	27.34%	1st Priority:	17.99%	1st Priority:	0.00%	-									
	Project Cost	2nd Priority	0.00%	2nd Priority:	0.00%	2nd Priority:	0.00%	2nd Priority:	9.47%	2nd Priority:	27.72%	2nd Priority:	27.72%	2nd Priority:	27.72%	2nd Priority:	7.36%	2nd Priority:	0.00%		
Cost Item	Cost	3rd Priority	0.00%	3rd Priority:	0.00%	3rd Priority:	0.00%	3rd Priority:	0.00%	3rd Priority:	0.00%	3rd Priority:	0.00%	3rd Priority:	0.00%	3rd Priority:	26.86%	3rd Priority:	36.57%	3rd Priority:	36.57%
Cost item	Serviceable	1st Priority:	5,191	1st Priority:	10,382	1st Priority:	15,573	1st Priority:	18,990	1st Priority:	18,990	1st Priority:	18,990	1st Priority:	18,990	1st Priority:	18,990	1st Priority:	18,990	1st Priority:	18,990
	Irrigation Area	2nd Priority	: 0	2nd Priority:	0	2nd Priority:	0	2nd Priority:	0	2nd Priority:	5,879	2nd Priority:	11,758	2nd Priority:	17,637	2nd Priority:	21,206	2nd Priority:	21,206	2nd Priority:	21,206
	(ha)	3rd Priority	0	3rd Priority:	0	3rd Priority:	0	3rd Priority:	0	3rd Priority:	0	3rd Priority:	0	3rd Priority:	0	3rd Priority:	6,205	3rd Priority:	14,652	3rd Priority:	23,098
	Sub-Total (ha)	1	5,191		10,382		15,573		18,990		24,869		30,747		36,626		46,401		54,847		63,294
In EURO (€)																					
Direct Cost	184,623,420			18,462,		18,462,3		18,462,		18,462,		18,462,		18,462,		18,462,		18,462,		18,462	
Constrction Cost	178,216,621			17,821,		17,821,6		17,821,		17,821,		17,821,		17,821,		17,821,		17,821,		17,821	
Cost of Machinery	4,646,113		1,611	464,		464,0		464,		464,		464,		464,		464,		464,		464	
Cost of Electricity	1,697,000		9,700	169,		169,7		169,		169,		169,		169,		169,		169,			,700
Engineering Cost	18,462,342		5,234	1,846,		1,846,2		1,846,		1,846,		1,846,		1,846,		1,846,		1,846,		1,846	
Administration Cost	9,231,171		3,117	923,		923,		923,		923,		923,		923,		923,		923,		923	
Fiscal Contingency	18,462,342	2 1,84	5,234	1,846,	,234	1,846,2	234	1,846,	,234	1,846,	234	1,846,	234	1,846,	234	1,846,	,234	1,846,	234	1,846	,234
Total Financial Cost excl. Price Escalation	230,779,275	23,07	7,928	23,077,		23,077,9	928	23,077,	.928	23,077,		23,077,		23,077,	928	23,077,	,928	23,077,		23,077	,928
Price Escalation	64,721,913	3 2,80	5,818	3,559,	,035	4,334,	170	5,131,	,862	5,952,	767	6,797,	561	7,666,	937	8,561,	,613	9,482,	323	10,429	,827
Total Financial Cost incl. Price Escalation	295,501,188	25,88	3,745	26,636,	,962	27,412,0	098	28,209,	790	29,030,	695	29,875,	488	30,744,	865	31,639,	,540	32,560,	251	33,507	,754
Total Economic Cost excl. Price Escalation	187,300,452	2 18,73),045	18,730,	,045	18,730,0	045	18,730,	045	18,730,	045	18,730,	045	18,730,0	045	18,730,	,045	18,730,	045	18,730	,045
In Bulgarian Lev (Lev)																					
Direct Cost	361,457,578	36,14	5,758	36,145,	,758	36,145,7	758	36,145,	758	36,145,	758	36,145,	758	36,145,	758	36,145,	,758	36,145,	758	36,145	,758
Engineering Cost	36,145,758	3,61	1,576	3,614,	,576	3,614,	576	3,614,	576	3,614,	576	3,614,	576	3,614,	576	3,614,	,576	3,614,	576	3,614	,576
Administration Cost	18,072,879	1,80	7,288	1,807,	,288	1,807,2	288	1,807,	288	1,807,	288	1,807,	288	1,807,	288	1,807,	,288	1,807,	288	1,807	,288
Fiscal Contingency	36,145,758	3,61	1,576	3,614,	,576	3,614,	576	3,614,	576	3,614,	576	3,614,	576	3,614,	576	3,614,	,576	3,614,	576	3,614	,576
Total Financial Cost excl. Price Escalation	451,821,972	45,18	2,197	45,182,	,197	45,182,	197	45,182,	197	45,182,	197	45,182,	197	45,182,	197	45,182,	,197	45,182,	197	45,182	,197
Price Escalation	126,713,209	5,49	3,258	6,967,	,914	8,485,4	482	10,047,	212	11,654,	387	13,308,	332	15,010,4	406	16,762,	,011	18,564,	588	20,419	,619
Total Financial Cost incl. Price Escalation	578,535,182	2 50,67	5,455	52,150,	,111	53,667,0	679	55,229,	409	56,836,	585	58,490,	529	60,192,	504	61,944,	,208	63,746,	785	65,601	,816
Total Economic Cost excl. Price Escalation	366,698,698	36,669	9,870	36,669,	,870	36,669,8	870	36,669,	870	36,669,	870	36,669,	870	36,669,	870	36,669,	,870	36,669,	870	36,669	,870
(Notes)																					
Engineering Cost:			10.00%	of direct cost.				Rate of Person	nal Income	Tax:	20.00%	according to the	Tax Low i	n Bulgaria.							
Administration Cost:			5.00%	of direct cost.				Corporate Inco	ome Tax:		15.00%	according to the	Tax Low i	n Bulgaria.							
Fiscal Contingency:			10.00%	of direct cost.				Standard Com	version Fact	or for Equipent:	97.17%			rnational Trade and	Consolidate	ed Government Re	venue and				
Value Added Tax:			20.00%	of the cost for e	quipment a	nd materials.				or for Equipent.		Expenditure, NSI									
Sahre Rate of Labors:								Price Escalation			2.91%	based on the CF									
For Construction:			70.00%	of the construct				Exchange Rate			0.5108	EURO accordin	ng to the FC	REX in OANDA	Com as of	f Aug. 31, 2007.					
For Machinery:			20.00%	of the machiner	y cost.				1.00 Bulga		1.9578		BGN) acco	rding to the FOR	EX in OAN	NDA.Com as of A	Aug. 31,				
For Electricity:			20.00%	of the electricity					1.00 EURC	=		2007.									
Shadow Wage Rate of I	Unskilled Labor:		90.00%	based on domes	stic samples	of construction v	works.		1.00 EURO	=	157.92	Japanese Yen a	ccording to	the FOREX in O	ANDA.Co	m as of Aug. 31,	2007.				

Table 6 Annual Disbursement of Project Cost of Irrigation Improvement Conponent in Practical Case of the Year of 2021 the Services to Be Started Fully in the West and East Aegean River Basin

	T . 1 4	20	11	201	2	201	3	201	4	201	5	201	6	201	7	201	8	201	9	202	20
Cost Item	Total Amount of Project Cost	1st Priority:	26.02%	1st Priority:	26.02%	1st Priority:	26.02%	1st Priority: 2nd Priority:	21.93% 4.40%	2nd Priority:	27.93%	2nd Priority:	27.93%	2nd Priority:	27.93%	2nd Priority: 3rd Priority:	11.80% 22.41%	3rd Priority:	38.80%	3rd Priority:	38.80%
Cost Item	Serviceable Irrigation Area (ha)	1st Priority:	5,865	1st Priority:	11,730	1st Priority:	17,595	1st Priority: 2nd Priority:	22,536 1,111	1st Priority: 2nd Priority:	22,536 8,165	1st Priority: 2nd Priority:	22,536 15,220	1st Priority: 2nd Priority:	22,536 22,274	1st Priority: 2nd Priority: 3rd Priority:	22,536 25,253 5,749	1st Priority: 2nd Priority: 3rd Priority:	2nd Priority: 25,253 3rd Priority: 15,700		22,536 25,253 25,652
	Sub-Total (ha)		5,865		11,730		17,595		23,647		30,701		37,755		44,810		53,538	· · ·	63,490		73,441
Direct Cost	218,272,679	21,827	268	21,827,	268	21,827,	268	21,827,	268	21,827,	268	21,827,	268	21,827,	268	21,827.	268	21,827,	268	21,827	.268
Constrction Cost	210,438,090	21,043		21,043,		21,043,		21,043,		21,043,		21,043,		21,043,		21,043.		21,043,		21,043	
Cost of Machinery	5,607,303	560.		560,		560,		560,		560,		560,		560,		560.		560,			,730
Cost of Electricity	2,163,600	216		216,		216,		216,		216,		216,		216,		216.		216,		216	
Engineering Cost	21,827,268	2,182		2,182,		2,182,		2,182,		2,182,		2,182,		2,182,		2,182.		2,182,		2,182	,
Administration Cost	10,913,634	1,091		1,091,		1,091,		1,091,		1,091,		1,091,		1,091,		1,091		1,091,		1,091	
Fiscal Contingency	21,827,268	2,182		2,182,		2,182,		2,182,		2,182,		2,182,		2,182,		2,182.		2,182,		2,182	
Total Financial Cost excl. Price Escalation	272,840,849	27,284	.085	27,284,	085	27,284,	085	27,284,	085	27,284,	085	27,284,	,085	27,284,	085	27,284.	,085	27,284,	085	27,284	,085
Price Escalation	76,518,057	3,317	203	4,207,	700	5,124,	111	6,067,	190	7,037,	712	8,036,	476	9,064,	305	10,122,	.043	11,210,	561	12,330	,755
Total Financial Cost incl. Price Escalation	349,358,906	30,601	288	31,491,	785	32,408,	196	33,351,	275	34,321,	797	35,320,	561	36,348,	390	37,406,	,128	38,494,	646	39,614	,840
Total Economic Cost excl. Price Escalation	221,485,387	22,148	539	22,148,	539	22,148,	539	22,148,	539	22,148,	539	22,148,	539	22,148,	539	22,148,	539	22,148,	539	22,148	,539
Direct Cost	427,336,434	42,733	.643	42,733,	643	42,733.	643	42,733,	643	42,733,	643	42,733,	.643	42,733,	643	42,733.	.643	42,733,	643	42,733	.643
Engineering Cost	42,733,643	4,273		4,273,		4,273,	364	4,273,		4,273,		4,273,		4,273,		4,273.		4,273,		4,273	364
Administration Cost	21,366,822	2,136	682	2,136,	682	2,136,	682	2,136,	682	2,136,	682	2,136,	.682	2,136,	682	2,136.	.682	2,136,	682	2,136	.682
Fiscal Contingency	42,733,643	4,273		4,273,		4,273,		4,273,		4,273,		4,273,		4,273,		4,273		4,273,		4,273	
Total Financial Cost excl. Price Escalation	534,170,542	53,417	054	53,417,	054	53,417,	054	53,417,	054	53,417,	054	53,417,	,054	53,417,	054	53,417,	,054	53,417,	054	53,417	,054
Price Escalation	149,807,818	6,494	453	8,237,	878	10,032,	037	11,878,	405	13,778,	503	15,733,	894	17,746,	186	19,817,	037	21,948,	149	24,141	,276
Total Financial Cost incl. Price Escalation	683,978,360	59,911	507	61,654,	932	63,449,	091	65,295,	459	67,195,	557	69,150,	,948	71,163,	241	73,234,	.091	75,365,	203	77,558	,330
Total Economic Cost excl. Price Escalation	433,626,306	43,362	631	43,362,	631	43,362,	631	43,362,	631	43,362,	631	43,362,	631	43,362,	631	43,362,	631	43,362,	631	43,362	,631
Engineering Cost:			10.00%	of direct cost.				Rate of Persor	nal Income	Tax:	20.00%	according to the	e Tax Low i	in Bulgaria.							
Administration Cost:			5.00%	of direct cost.				Corporate Inc			15.00%	according to the		-							
Fiscal Contingency:			10.00%	of direct cost.				•				-		rnational Trade and	l Consolidate	ed Government Re	venue and				
Value Added Tax:			20.00%	of the cost for e	quipment a	nd materials.		Standard Conv	version Fact	or for Equipent:	97.17%	Expenditure, NSI									
Sahre Rate of Labors:								Price Escalation	on Rate:		2.91%	based on the CI	PI. NSI.								
For Construction :			70.00%	of the construct	on cost.			Exchange Rate			0.5108		,	REX in OANDA	.Com as of	Aug. 31, 2007.					
For Machinery:			20.00%	of the machiner				_acamage Run	1.00 Bulga	ian Lev =	1.9578		-	ording to the FOR		-	Aug. 31.				
For Electricity:			20.00%	of the electricity					1.00 EURO			2007.	_ 311) 4000	g to the ron	0711	011					
Shadow Wage Rate of U	Inskilled Labor		90.00%	-		of construction v	vorks.														
Simusw mage reale of C	Luddi.		20.0070	oused on dollies	ac samples	o. construction	· O. RS.		1.00 EURO) =	157.92	Japanese Yen a	ccording to	the FOREX in C	ANDA.Co	m as of Aug. 31,	2007.				

Table 7 Annual Disbursement of Project Cost of Sewerage Systems Improvement Component in Case of Target Year of 2015 the Services to Be Started Fully in the West Aegean River Basin

Cost Item	Total Amount of Project Cost	2011	2012	2013	2014
In EURO (€)					
Direct Cost	513,131,916	141,333,969	171,043,972	171,043,972	29,710,003
WWTP	66,004,314	17,088,155	22,001,438	22,001,438	4,913,283
Networks of Sewer Line	447,127,602	124,245,814	149,042,534	149,042,534	24,796,720
Engineering Cost	28,956,811	7,921,106	9,652,270	9,652,270	1,731,164
Administration Cost	25,656,596	7,066,698	8,552,199	8,552,199	1,485,500
Fiscal Contingency	51,313,192	14,133,397	17,104,397	17,104,397	2,971,000
Total Financial Cost excl. Price Escalation	619,058,514	170,455,171	206,352,838	206,352,838	35,897,667
Price Escalation	99,284,190	20,723,965	31,823,348	38,754,275	7,982,601
Total Financial Cost incl. Price Escalation	718,342,704	191,179,135	238,176,187	245,107,114	43,880,269
Total Economic Cost excl. Price Escalation	484,173,497	133,311,440	161,391,166	161,391,166	28,079,725
In Bulgarian Lev (Lev)					
Direct Cost	1,004,614,796	276,705,058	334,871,599	334,871,599	58,166,540
WWTP		33,455,361	43,074,635	43,074,635	9,619,275
Networks of Sewer Line		243,249,697	291,796,963	291,796,963	48,547,266
Engineering Cost	56,691,935	15,508,021	18,897,312	18,897,312	3,389,291
Administration Cost	50,230,740	13,835,253	16,743,580	16,743,580	2,908,327
Fiscal Contingency	100,461,480	27,670,506	33,487,160	33,487,160	5,816,654
Total Financial Cost excl. Price Escalation	1,211,998,950	333,718,838	403,999,650	403,999,650	70,280,812
Price Escalation	194,379,579	40,573,585	62,304,070	75,873,508	15,628,416
Total Financial Cost incl. Price Escalation	1,406,378,529	374,292,423	466,303,720	479,873,158	85,909,228
Total Economic Cost excl. Price Escalation	947,919,714	260,998,471	315,973,238	315,973,238	54,974,767
(Notes)					
Engineering Cost:		10.00%	of direct cost in case of	of WWTP.	
	78.21%	5.00%	of direct cost in case of	of Networks of Sewer	Lines.
Administration Cost:		5.00%	of direct cost.		
Pyhsical Contingency:		10.00%	of direct cost.		
Value Added Tax:		20.00%	of the cost for equipm	ent and materials.	
Sahre Rate of Labors:		15.00%	of the direct cost.		
Shadow Wage Rate of Uns	killed Labor:	90.00%	based on domestic sar	mples of construction	works.
Rate of Personal Income Ta	ax:	20.00%	according to the Tax	Low in Bulgaria.	
Corporate Income Tax:		15.00%	according to the Tax l	Low in Bulgaria.	
Standard Conversion Facto	r for Equipent:	97.17%	based on the statistics Consolidated Government		
Price Escalation Rate:		2.91%	based on the CPI, NS		
Exchange Rates:	1.00 Bulgarian Lev =	0.5108	EURO according to the Aug. 31, 2007.		A.Com as of
	1.00 EURO =	1.9578	Bulgarian Lev (BGN) OANDA.Com as of A	_	REX in
	1.00 EURO =	157.92	Japanese Yen according of Aug. 31, 2007.		OANDA.Com as

Table 8 Annual Disbursement of Project Cost of Sewerage Systems Improvement Component in Case of Target Year of 2015 the Services to Be Started Fully in the East Aegean River Basin

Cost Item	Total Amount of Project Cost	2011	2012	2013	2014
In EURO (€)					
Direct Cost	1,529,301,065	391,395,763	509,767,022	509,767,022	118,371,259
WWTP	172,565,780	35,330,480	57,521,927	57,521,927	22,191,447
Networks of Sewer Line	1,356,735,285	356,065,283	452,245,095	452,245,095	96,179,812
Engineering Cost	85,093,342	21,336,312	28,364,447	28,364,447	7,028,135
Administration Cost	76,465,053	19,569,788	25,488,351	25,488,351	5,918,563
Fiscal Contingency	152,930,107	39,139,576	50,976,702	50,976,702	11,837,126
Total Financial Cost excl. Price Escalation	1,843,789,567	471,441,439	614,596,522	614,596,522	143,155,083
Price Escalation	299,358,225	57,317,919	94,781,925	115,424,838	31,833,543
Total Financial Cost incl. Price Escalation	2,143,147,792	528,759,358	709,378,448	730,021,360	174,988,626
Total Economic Cost excl. Price Escalation	1,441,969,180	368,669,349	480,656,393	480,656,393	111,987,045
In Bulgarian Lev (Lev)					
Direct Cost	2,994,080,918	766,278,538	998,026,973	998,026,973	231,748,435
WWTP		69,170,367	112,617,003	112,617,003	43,446,636
Networks of Sewer Line		697,108,171	885,409,970	885,409,970	188,301,799
Engineering Cost	166,596,596	41,772,445	55,532,199	55,532,199	13,759,754
Administration Cost	149,704,046	38,313,927	49,901,349	49,901,349	11,587,422
Fiscal Contingency	299,408,092	76,627,854	99,802,697	99,802,697	23,174,843
Total Financial Cost excl. Price Escalation	3,609,789,652	922,992,764	1,203,263,217	1,203,263,217	280,270,453
Price Escalation	586,086,526	112,217,595	185,565,001	225,979,902	62,324,028
Total Financial Cost incl. Price Escalation	4,195,876,179	1,035,210,359	1,388,828,218	1,429,243,120	342,594,482
Total Economic Cost excl. Price Escalation	2,823,101,680	721,784,537	941,033,893	941,033,893	219,249,356
(Notes)					
Engineering Cost:		10.00%	of direct cost in case	of WWTP.	
	78.21%	5.00%	of direct cost in case	of Networks of Sewe	r Lines.
Administration Cost:		5.00%	of direct cost.		
Pyhsical Contingency:		10.00%	of direct cost.		
Value Added Tax:		20.00%	of the cost for equipr	nent and materials.	
Sahre Rate of Labors:		15.00%	of the direct cost.		
Shadow Wage Rate of Unsl	killed Labor:	90.00%	based on domestic sa	imples of construction	works.
Rate of Personal Income Ta	ax:	20.00%	according to the Tax	Low in Bulgaria.	
Corporate Income Tax:		15.00%	according to the Tax	Low in Bulgaria.	
Standard Conversion Factor	r for Equipent:	97.17%		s on International Tra nment Revenue and Ex	
Price Escalation Rate:		2.91%	based on the CPI, NS	SI.	
Exchange Rates:	1.00 Bulgarian Lev	= 0.5108		the FOREX in OAND	A.Com as of
	1.00 EURO =	1.9578		according to the FO Aug. 31, 2007.	REX in
	1.00 EURO =	157.92		ing to the FOREX in	OANDA.Com as

Table 9 Annual Disbursement of Project Cost of Sewerage Systems Improvement Component in Case of Target Year of 2015 the Services to Be Started Fully in the West and East Aegean River Basin

Cost Item	Total Amount of	2011	2012	2013	2014
	Project Cost	- 1-	- -		- • •
In EURO (€)					
Direct Cost	2,042,432,981	532,729,732	680,810,994	680,810,994	148,081,262
WWTP	238,570,094	52,418,635	79,523,365	79,523,365	27,104,730
Networks of Sewer Line	1,803,862,887	480,311,097	601,287,629	601,287,629	120,976,532
Engineering Cost	114,050,154	29,257,418	38,016,718	38,016,718	8,759,300
Administration Cost	102,121,649	26,636,487	34,040,550	34,040,550	7,404,063
Fiscal Contingency	204,243,298	53,272,973	68,081,099	68,081,099	14,808,126
Total Financial Cost excl. Price Escalation	2,462,848,082	641,896,610 -	- 820,949,361 -	820,949,361 -	179,052,751
Price Escalation	398,642,414	78,041,883	126,605,274	154,179,113	39,816,144
Total Financial Cost incl. Price Escalation	2,861,490,496	719,938,493 -	- 947,554,634 -	975,128,474 -	218,868,894
Total Economic Cost excl. Price Escalation	1,926,142,677	501,980,789	642,047,559	642,047,559	140,066,770
In Bulgarian Lev (Lev)					
Direct Cost	3,998,695,714	1,042,983,596	1,332,898,571	1,332,898,571	289,914,975
WWTP	0	102,625,728	155,691,639	155,691,639	53,065,911
Networks of Sewer Line	0	940,357,868	1,177,206,933	1,177,206,933	236,849,064
Engineering Cost	223,288,531	57,280,466	74,429,510	74,429,510	17,149,044
Administration Cost	199,934,786	52,149,180	66,644,929	66,644,929	14,495,749
Fiscal Contingency	399,869,571	104,298,360	133,289,857	133,289,857	28,991,497
Total Financial Cost excl. Price Escalation	4,821,788,603	1,256,711,602 -	- 1,607,262,868 -	1,607,262,868 -	350,551,265
Price Escalation	780,466,105	152,791,180	247,869,071	301,853,410	77,952,445
Total Financial Cost incl. Price Escalation	5,602,254,708	1,409,502,782 -	- 1,855,131,938 -	1,909,116,278 -	428,503,710
Total Economic Cost excl. Price Escalation	3,771,021,394	982,783,008	1,257,007,131	1,257,007,131	274,224,123
(Notes)					
Engineering Cost:		10.00%	of direct cost in case of	of WWTP.	
		5.00%	of direct cost in case of	of Networks of Sewer	Lines.
Administration Cost:		5.00%	of direct cost.		
Pyhsical Contingency:		10.00%	of direct cost.		
Value Added Tax:		20.00%	of the cost for equipme	ent and materials.	
Sahre Rate of Labors:		15.00%	of the direct cost.		
Shadow Wage Rate of Uns	killed Labor:	90.00%	based on domestic san	nples of construction	works.
Rate of Personal Income Ta		20.00%	according to the Tax I	ow in Bulgaria.	
Corporate Income Tax:		15.00%	according to the Tax I	ow in Bulgaria.	
Standard Conversion Facto	r for Equipent:	97.17%	based on the statistics Consolidated Government		
Price Escalation Rate:		2.91%	based on the CPI, NSI		
Exchange Rates:	1.00 Bulgarian Lev	= 0.5108	EURO according to th Aug. 31, 2007.		A.Com as of
	1.00 EURO =	1.9578	Bulgarian Lev (BGN) OANDA.Com as of A	_	REX in
	1.00 EURO =	157.92	Japanese Yen according of Aug. 31, 2007.		DANDA.Com as

Table 10 Annual Disbursement of Project Cost of Sewerage Systems Improvement Component in Practical Case of the Year of 2021 the Services to Be Started Fully in the West Aegean River Basin

Cost Item	Total Amount of Project Cost	2011	2012	2013	2014	2015	2016		2017	2018
In EURO (€)										
Direct Cost	513,131,916	114,069,880	149,731,740	149,731,740	35,661,860	21,312,231	21,312	,231	21,312,231	0
WWTP	66,004,314	13,866,755	18,620,595	18,620,595	4,753,840	3,380,843	3,380	,843	3,380,843	0
Networks of Sewer Line	447,127,602	100,203,125	131,111,145	131,111,145	30,908,020	17,931,388	17,931	,388	17,931,388	0
Engineering Cost	28,956,811	6,396,832	8,417,617	8,417,617	2,020,785	1,234,654	1,234	,654	1,234,654	0
Administration Cost	25,656,596	5,703,494	7,486,587	7,486,587	1,783,093	1,065,612	1,065	,612	1,065,612	0
Fiscal Contingency	51,313,192	11,406,988	14,973,174	14,973,174	3,566,186	2,131,223	2,131	,223	2,131,223	0
Total Financial Cost excl. Price Escalation	619,058,514	137,577,194	180,609,118	180,609,118	43,031,924	25,743,720	25,743	,720	25,743,720	0
Price Escalation	110,844,079	16,726,655	27,853,200	33,919,454	9,569,053	6,640,387	7,582	,765	8,552,565	0
Total Financial Cost incl. Price Escalation	729,902,594	154,303,850	208,462,318	214,528,572	52,600,977	32,384,107	33,326	,485	34,296,285	0
Total Economic Cost excl. Price Escalation	484,173,497	107,598,128	141,254,506	141,254,506	33,656,378	20,136,660	20,136	,660	20,136,660	0
In Bulgarian Lev (Lev)										
Direct Cost	1,004,614,796	223,327,153	293,146,299	293,146,299	69,819,146	41,725,300	41,725	,300	41,725,300	0
WWTP	129,223,906	27,148,472	36,455,587	36,455,587	9,307,115	6,619,048	6,619	,048	6,619,048	0
Networks of Sewer Line	875,390,890	196,178,681	256,690,712	256,690,712	60,512,031	35,106,252	35,106	,252	35,106,252	0
Engineering Cost	56,691,935	12,523,781	16,480,094	16,480,094	3,956,313	2,417,217	2,417	,217	2,417,217	0
Administration Cost	50,230,740	11,166,358	14,657,315	14,657,315	3,490,957	2,086,265	2,086	,265	2,086,265	0
Fiscal Contingency	100,461,480	22,332,715	29,314,630	29,314,630	6,981,915	4,172,530	4,172	,530	4,172,530	0
Total Financial Cost excl. Price Escalation	1,211,998,950	269,350,007	353,598,338	353,598,338	84,248,331	50,401,312	50,401	,312	50,401,312	0
Price Escalation	217,011,647	32,747,613	54,531,274	66,407,845	18,734,388	13,000,616	14,845	,613	16,744,298	0
Total Financial Cost incl. Price Escalation	1,429,010,597	302,097,620	408,129,611	420,006,183	102,982,719	63,401,929	65,246	,925	67,145,610	0
Total Economic Cost excl. Price Escalation	947,919,714	210,656,691	276,549,485	276,549,485	65,892,793	39,423,754	39,423	,754	39,423,754	0
(Notes)										
Engineering Cost:		10.00% 5.00%	of direct cost in case of direct cost in case of Sewer Lines.		Standard Conversion for Equipent:	Factor 97.17%			on International Trade ent Revenue and Exp	
Administration Cost:		5.00%	of direct cost.		Price Escalation Rate:	2.91%	based on the	CPI, NSI.		
Pyhsical Contingency:		10.00%	of direct cost.		Exchange Rat(1.00 B)	ulgarian Lev =	0.5108	EURO a	ccording to the FOR	EX in
Value Added Tax:		20.00%	of the cost for equipm	ent and materials.	Ü	-			Com as of Aug. 31,	
Sahre Rate of Labors:		15.00%	of the direct cost.		1.00 EU	URO =	1.9578	Bulgaria	n Lev (BGN) accord	ing to the
Shadow Wage Rate of Unsk	illed Labor:	90.00%	based on domestic sar construction works.	mples of				_	in OANDA.Com as	
Rate of Personal Income Ta Corporate Income Tax:	x:	20.00% 15.00%	according to the Tax according to the Tax		1.00 EU	URO =	157.92	-	e Yen according to the A.Com as of Aug. 31,	

Table 11 Annual Disbursement of Project Cost of Sewerage Systems Improvement Component in Practical Case of the Year of 2021 the Services to Be Started Fully in the East Aegean River Basin

Cost Item	Total Amount of Project Cost	2011	2012	2013	2014	2015	2016		2017	2018
In EURO (€)										
Direct Cost	1,529,301,065	326,851,301	406,183,332	406,183,332	79,332,031	67,733,174	103,583	,690	103,583,690	35,850,516
WWTP	172,565,780	23,074,960	37,478,670	37,478,670	14,403,710	13,142,633	20,043	,257	20,043,257	6,900,624
Networks of Sewer Line	1,356,735,285	303,776,341	368,704,662	368,704,662	64,928,321	54,590,542	83,540	,433	83,540,433	28,949,892
Engineering Cost	85,093,342	17,496,313	22,183,100	22,183,100	4,686,787	4,043,790	6,181	,347	6,181,347	2,137,557
Administration Cost	76,465,053	16,342,565	20,309,167	20,309,167	3,966,602	3,386,659	5,179	,185	5,179,185	1,792,526
Fiscal Contingency	152,930,107	32,685,130	40,618,333	40,618,333	7,933,203	6,773,317	10,358	,369	10,358,369	3,585,052
Total Financial Cost excl. Price Escalation	1,843,789,567	393,375,309	489,293,932	489,293,932	95,918,623	81,936,941	125,302	,591	125,302,591	43,365,650
Price Escalation	352,265,102	47,826,627	75,457,994	91,892,275	21,329,523	21,134,980	36,907	,645	41,627,962	16,088,096
Total Financial Cost incl. Price Escalation	2,196,054,669	441,201,936	564,751,926	581,186,207	117,248,145	103,071,921	162,210	,235	166,930,553	59,453,745
Total Economic Cost excl. Price Escalation	1,441,969,180	307,599,422	382,632,844	382,632,844	75,033,422	64,098,956	98,023	,549	98,023,549	33,924,594
In Bulgarian Lev (Lev)										
Direct Cost	2,994,080,918	639,912,745	795,229,789	795,229,789	155,317,044	132,608,686	202,797	,184	202,797,184	70,188,498
WWTP	337,851,010	45,176,388	73,376,115	73,376,115	28,199,727	25,730,777	39,240	,888	39,240,888	13,510,111
Networks of Sewer Line	2,656,229,909	594,736,357	721,853,673	721,853,673	127,117,316	106,877,909	163,556	,296	163,556,296	56,678,387
Engineering Cost	166,596,596	34,254,457	43,430,295	43,430,295	9,175,839	7,916,973	12,101	,904	12,101,904	4,184,930
Administration Cost	149,704,046	31,995,637	39,761,489	39,761,489	7,765,852	6,630,434	10,139	,859	10,139,859	3,509,425
Fiscal Contingency	299,408,092	63,991,274	79,522,979	79,522,979	15,531,704	13,260,869	20,279	,718	20,279,718	7,018,850
Total Financial Cost excl. Price Escalation	3,609,789,652	770,154,113	957,944,552	957,944,552	187,790,439	160,416,962	245,318	,665	245,318,665	84,901,703
Price Escalation	689,668,140	93,635,449	147,732,416	179,907,615	41,759,153	41,378,276	72,258	,156	81,499,641	31,497,434
Total Financial Cost incl. Price Escalation	4,299,457,792	863,789,563	1,105,676,968	1,137,852,167	229,549,591	201,795,238	317,576	,821	326,818,307	116,399,137
Total Economic Cost excl. Price Escalation	2,823,101,680	602,221,224	749,122,408	749,122,408	146,901,184	125,493,576	191,911	,485	191,911,485	66,417,909
(Notes)										
Engineering Cost:		10.00%	of direct cost in case	of WWTP.	Standard Conversion	Factor				
	78.21%	5.00%	of direct cost in case Sewer Lines.	of Networks of	for Equipent:	97.17%			nternational Tra Revenue and E	xpenditure, NSI.
Administration Cost:		5.00%	of direct cost.		Price Escalation Rate:	2.91%	based on the C	CPI, NSI.		
Pyhsical Contingency:		10.00%	of direct cost.		Exchange Rat 1.00 Bu	ulgarian Lev =	0.5108	EURO acco	ording to the FO	REX in
Value Added Tax:		20.00%	of the cost for equipm	nent and materials.	Ü	=			om as of Aug. 3	
Sahre Rate of Labors:		15.00%	of the direct cost.		1.00 EU	URO =	1.9578	Bulgarian L	ev (BGN) acco	rding to the
Shadow Wage Rate of Unsk	rilled Labor:	90.00%	based on domestic sa construction works.	amples of					OANDA.Com a	•
Rate of Personal Income Ta Corporate Income Tax:	x:	20.00% 15.00%	according to the Tax according to the Tax	-	1.00 EU	URO =	157.92	-	en according to om as of Aug. 3	

Table 12 Annual Disbursement of Project Cost of Sewerage Systems Improvement Component in Practical Case of the Year of 2021 the Services to Be Started Fully in the West and East Aegean River Basin

Cost Item	Total Amount of Project Cost	2011	2012	2013	2014	2015	2016		2017	2018
In EURO (€)										
Direct Cost	2,042,432,981	440,921,181	555,915,072	555,915,072	114,993,891	89,045,406	124,895	,921	124,895,921	35,850,516
WWTP	238,570,094	36,941,715	56,099,265	56,099,265	19,157,550	16,523,476	23,424	,100	23,424,100	6,900,624
Networks of Sewer Line	1,803,862,887	403,979,466	499,815,807	499,815,807	95,836,341	72,521,930	101,471	,822	101,471,822	28,949,892
Engineering Cost	114,050,154	23,893,145	30,600,717	30,600,717	6,707,572	5,278,444	7,416	,001	7,416,001	2,137,557
Administration Cost	102,121,649	22,046,059	27,795,754	27,795,754	5,749,695	4,452,270	6,244	,796	6,244,796	1,792,526
Fiscal Contingency	204,243,298	44,092,118	55,591,507	55,591,507	11,499,389	8,904,541	12,489	,592	12,489,592	3,585,052
Total Financial Cost excl. Price Escalation	2,462,848,082	530,952,503	669,903,050	669,903,050	138,950,547	107,680,661	151,046	,311	151,046,311	43,365,650
Price Escalation	463,109,182	64,553,283	103,311,194	125,811,729	30,898,576	27,775,368	44,490	,409	50,180,528	16,088,096
Total Financial Cost incl. Price Escalation	2,925,957,263	595,505,786	773,214,244	795,714,779	169,849,122	135,456,028	195,536	,720	201,226,839	59,453,745
Total Economic Cost excl. Price Escalation	1,926,142,677	415,197,550	523,887,350	523,887,350	108,689,800	84,235,615	118,160	,209	118,160,209	33,924,594
In Bulgarian Lev (Lev)										
Direct Cost	3,998,695,714	863,239,897	1,088,376,087	1,088,376,087	225,136,190	174,333,986	244,522	,484	244,522,484	70,188,498
WWTP	467,074,916	72,324,859	109,831,702	109,831,702	37,506,843	32,349,826	45,859	,936	45,859,936	13,510,111
Networks of Sewer Line	3,531,620,798	790,915,038	978,544,385	978,544,385	187,629,347	141,984,160	198,662	,548	198,662,548	56,678,387
Engineering Cost	223,288,531	46,778,238	59,910,389	59,910,389	13,132,152	10,334,191	14,519	,121	14,519,121	4,184,930
Administration Cost	199,934,786	43,161,995	54,418,804	54,418,804	11,256,809	8,716,699	12,226	,124	12,226,124	3,509,425
Fiscal Contingency	399,869,571	86,323,990	108,837,609	108,837,609	22,513,619	17,433,399	24,452	,248	24,452,248	7,018,850
Total Financial Cost excl. Price Escalation	4,821,788,603	1,039,504,120	1,311,542,890	1,311,542,890	272,038,770	210,818,275	295,719	,978	295,719,978	84,901,703
Price Escalation	906,679,787	126,383,062	202,263,689	246,315,461	60,493,541	54,378,892	87,103	,768	98,243,939	31,497,434
Total Financial Cost incl. Price Escalation	5,728,468,390	1,165,887,182	1,513,806,579	1,557,858,351	332,532,310	265,197,167	382,823	,746	393,963,917	116,399,137
Total Economic Cost excl. Price Escalation	3,771,021,394	812,877,915	1,025,671,893	1,025,671,893	212,793,977	164,917,330	231,335	,239	231,335,239	66,417,909
(Notes)										
Engineering Cost:	78.21%	10.00% 5.00%	of direct cost in case of direct cost in case Sewer Lines.		Standard Conversion for Equipent:	Factor 0.00%			on International Trad nent Revenue and Exp	
Administration Cost:		5.00%	of direct cost.		Price Escalation Rate	: 2.91%	based on the C	CPI, NSI		
Pyhsical Contingency:		10.00%	of direct cost.		Exchange Rat 1.00 B	ulgarian Lev =	0.5108	,	according to the FOR	EX in
Value Added Tax:		20.00%	of the cost for equip	ment and materials.	<u> </u>	=			A.Com as of Aug. 31,	
Sahre Rate of Labors:		15.00%	of the direct cost.		1.00 E	URO =	1.9578	Bulgari	an Lev (BGN) accord	ing to the
Shadow Wage Rate of Unsk	illed Labor:	90.00%	based on domestic sa construction works.	amples of				_	in OANDA.Com as	-
Rate of Personal Income Ta Corporate Income Tax:	x:	20.00% 15.00%	according to the Ta		1.00 E	URO =	157.92	•	e Yen according to the A.Com as of Aug. 31,	

Table 13 Calculation of Economic Internal Rate of Return (EIRR) in Irrigation Improvement Component in the East Aegean River Basin

(The Target Year of 2015: The Year to Start the Full Scale Services)

Condit	ions) 1. (Current Irrig	gated area:		0.64 ha in	n average assu	med based on p	ast 6 years
						gation rates.		
		ī	Economic Co	st	Ec	conomic Benef	it	_
			Scononne Co	31	Ba	asic Unit of		
Year	Fiscal	Direct			Econor	nic Benefit	1.947	
in	Year	Cost incl.				1,000 Lev)		Cash Balance
Order	1 Cai	ES, Adm.	OM Cost	Total	20 % of	Incremental		
		PC.			Potential	Irrigation	Bennefit	
		10.			Irrigation Area	Area (ha)		
0	2007	0	0	0	0	0	0	C
1	2008	0	0	0	0	0	0	C
2	2009	0	0	0	0	0	0	0
3	2010	0	0	0	0	0	0	0
4	2011	92	0	92	0	0	0	-92
5	2012	92	5	96	12,979	8,328	16	-80
6	2013	92	9	101	26,879	17,247	34	-67
7	2014	92	14	105	42,014	26,958	52	-53
8	2015		18	18	63,294	40,612	79	61
9	2016		18	18			79	61
10	2017		18	18			79	61
11	2018		18	18			79	61
12	2019		18	18			79	61
13	2020		18	18			79	61
14	2021		18	18			79	61
15	2022		18	18			79	61
16	2023		18	18			79	61
17	2024		18	18			79	61
18	2025		18	18			79	61
19	2026		18	18			79	61
20	2027		18	18			79	61
21	2028		18	18			79	61
22	2029		18	18			79	61
23	2030		18	18			79	61
24	2031		18	18			79	61
25	2032		18	18			79	61
26	2033		18	18			79	61
27	2034		18	18			79	61
28	2035		18	18			79	61
29	2036		18	18			79	61
30	2037		18	18			79	61
31	2038		18	18			79	61
32	2039		18	18			79	61
33	2040		18	18			79	61
34	2041		18	18			79	61
35	2042		18	18			79	61
36	2043		18	18			79	61
37	2044		18	18			79	61
Total		367		945			2,475	1,530
	Vaalue	207		293			399	106
		Rate is ass	umed at 10 %					
			NPV = B - C					106
	EIRR			ú				15.77%

Table 14 Calculation of Economic Internal Rate of Return (EIRR) in Irrigation Improvement Component in the West Aegean River Basin (The Target Year of 2015: The Year to Start the Full Scale Services)

0.76

(million Lev)
ha in average assumed based on past 6 years
irrigation rates.
Economic Benefit

						ation rates.					
		I	Economic Cost			conomic Benef	it	_			
						sic Unit of					
Year	Fiscal	Direct				nic Benefit	1.947				
in	Year	Cost incl.				1,000 Lev)		Cash Balance			
Order	1 Cui	ES, Adm.	OM Cost	Total	Suitable	Incremental					
		PC.			Irrigation Area	Irrigation	Bennefit				
					(ha)	Area (ha)					
0	2007	0	0	0	0	0	0	0			
1	2008	0	0	0	0	0	0	0			
2	2009	0	0	0	0	0	0	0			
3	2010	0	0	0	0	0	0	0			
4	2011	17	0	17	0	0	0	-17			
5	2012	17	1	18	1,827	1,392	3	-15			
6	2013	17	2	18	3,719	2,835	6	-13			
7	2014	17	3	19	6,669	5,083	10	-9			
8	2015		3	3	10,148	7,735	15	12			
9	2016		3	3			15	12			
10	2017		3	3			15	12			
11	2018		3	3			15	12			
12	2019		3	3			15	12			
13	2020		3	3			15	12			
14	2021		3	3			15	12			
15	2022		3	3			15	12			
16	2023		3	3			15	12			
17	2024		3	3			15	12			
18	2025		3	3			15	12			
19	2026		3	3			15	12			
20	2027		3	3			15	12			
21	2028		3	3			15	12			
22	2029		3	3			15	12			
23	2030		3	3			15	12			
24	2031		3	3			15	12			
25	2032		3	3			15	12			
26	2033		3	3			15	12			
27	2034		3	3			15	12			
28	2035		3	3			15	12			
29	2036		3	3			15	12			
30	2037		3	3			15	12			
31	2038		3	3			15	12			
32	2039		3	3			15	12			
33	2040		3	3			15	12			
34	2041		3	3			15	12			
35	2042		3	3			15	12			
36	2043		3	3			15	12			
37	2044		3	3			15	12			
Total		67		172			470	298			
Present				53			75	22			

(Note) Discount Rate is assumed at 10 %.

(Conditions) 1. Current Irrigated area:

Net Present Value (NPV = B - C))	22
EIRR	16.37%
B/C Ratio	1.41

Table 15 Calculation of Economic Internal Rate of Return (EIRR) in Irrigation Improvement Component in the West and East Aegean River Basins (The Target Year of 2015: The Year to Start the Full Scale Services)

Table 16 Calculation of Economic Internal Rate of Return (EIRR) in Irrigation Improvement Component in the East Aegean River Basin

(The Target Year of 2021: The Year to Start the Full Scale Services)

ast 6 years	ned based on pa	n average assungation rates.	irriş		gated area:	Current Irrig	ions) 1. C	(Conditi
		nomic Benefit		st	Economic Cos	F		
	1.047	asic Unit of						V
Cash Balanc	1.947	nic Benefit				Direct	Fiscal	Year
Cash Balanc		1,000 Lev)		T.4.1	OMC	Cost incl.	Year	in
	D . C.	Incremental	20 % of Potential	Total	OM Cost	ES, Adm.		Order
	Bennefit	Irrigation	Irrigation Area			PC.		
		Area (ha)	(ha)				****	-
(0	0	0	0	0	0	2007	0
	0	0	0	0	0	0	2008	1
(0	0	0	0	0	0	2009	2
	0	0	0	0	0	0	2010	3
-3	0	0	0	37	0	37	2011	4
-3	6	3,331	5,192	39	2	37	2012	5
-2	13	6,662	10,383	40	4	37	2013	6
-2	19	9,993	15,575	42	6	37	2014	7
-2	24	12,184	18,990	44	7	37	2015	8
-1:	31	15,956	24,868	46	9	37	2016	9
-!	38	19,728	30,746	48	11	37	2017	10
	46	23,499	36,623	50	13	37	2018	11
•	58	29,772	46,400	51	15	37	2019	12
1:	69	35,192	54,847	53	17	37	2020	13
6	79	40,612	63,294	18	18		2021	14
6	79			18	18		2022	15
6	79			18	18		2023	16
6	79			18	18		2024	17
6	79			18	18		2025	18
6	79			18	18		2026	19
6	79			18	18		2027	20
6	79			18	18		2028	21
6	79			18	18		2029	22
6	79			18	18		2030	23
6	79			18	18		2031	24
6	79			18	18		2032	25
6	79			18	18		2033	26
6	79			18	18		2034	27
6	79			18	18		2035	28
6	79			18	18		2036	29
6	79			18	18		2037	30
6	79			18	18		2038	31
6	79			18	18		2039	32
6	79			18	18		2040	33
6	79			18	18		2041	34
6	79 79			18	18		2042	35
6	79 79			18	18		2043	36
6	79			18	18		2044	37
6	79 79			18	18		2045	38
6	79 79			18	18		2046	39
6	79			18	18		2047	40
6	79			18	18		2047	41
6	79			18	18		2048	42
6	79			18	18		2049	43
1,31	2,203			890	10	367	2030	Total
1,31	2,203			226		307	Vaalua	Present
0.	291				umed at 10 %	Rate is acc		
6.					NPV = B - C)			
)	11 V – D - C)	ent value (I		
14.51° 1.2°							EIRR B/C Rati	

Table 17 Calculation of Economic Internal Rate of Return (EIRR) in Irrigation Improvement Component in the West Aegean River Basin

(The Target Year of 2021: The Year to Start the Full Scale Services)

Year in Order 0 1 2 3 4	Fiscal Year 2007 2008 2009	Direct Cost incl. ES, Adm. PC.	Economic Co OM Cost	st Total	Econor	gation rates. conomic Benefi asic Unit of mic Benefit	t 1.947	
in Order 0 1 2 3	Year 2007 2008 2009	Direct Cost incl. ES, Adm. PC.			Ba Econor	asic Unit of		-
in Order 0 1 2 3	Year 2007 2008 2009	Cost incl. ES, Adm. PC.	OM Cost	Total	Econor		1.047	
0 1 2 3	Year 2007 2008 2009	Cost incl. ES, Adm. PC.	OM Cost	Total			1.74/	
0 1 2 3	2007 2008 2009	ES, Adm. PC.	OM Cost	Total		(1,000 Lev)		Cash Balanc
0 1 2 3	2008 2009	PC.	OM Cost	1 Otta	Suitable	Incremental		· Cush Bulune
1 2 3	2008 2009				Irrigation Area		Bennefit	
1 2 3	2008 2009	0			_	Irrigation	Bennent	
1 2 3	2008 2009	U	0	0	(ha) 0	Area (ha)	0	(
2 3	2009		0	0	0	0	0	·
3		0						
		0	0	0	0	0	0	
	2010	0	0	0	0	0	0	(
	2011	7	0	7	0	0	0	-1
5	2012	7	0	7	731	557	1	-1
6	2013	7	1	7	1,461	1,114	2	-:
7	2014	7	1	8	2,192	1,671	3	-4
8	2015	7	1	8	3,546	2,703	5	-:
9	2016	7	2	8	3,719	2,835	6	-:
10	2017	7	2	9	4,899	3,734	7	-
11	2018	7	2	9	6,079	4,634	9	(
12	2019	7	3	9	7,594	5,788	11	2
13	2020	7	3	10	8,660	6,600	13	
14	2021		3	3	10,148	7,735	15	13
15	2022		3	3	,	.,	15	1:
16	2023		3	3			15	12
17	2024		3	3			15	1:
18	2024		3	3			15	12
19	2026		3	3			15	12
20	2027		3	3			15	12
21	2028		3	3			15	12
22	2029		3	3			15	12
23	2030		3	3			15	12
24	2031		3	3			15	1:
25	2032		3	3			15	1:
26	2033		3	3			15	13
27	2034		3	3			15	13
28	2035		3	3			15	13
29	2036		3	3			15	13
30	2037		3	3			15	12
31	2038		3	3			15	12
32	2039		3	3			15	12
33	2040		3	3			15	12
34	2041		3	3			15	1:
35	2042		3	3			15	12
36	2042		3	3			15	1:
37	2043		3	3			15	1:
				3				1.
38	2045		3				15	
39	2046		3	3			15	1:
40	2047		3	3			15	1
41	2048		3	3			15	1:
42	2049		3	3			15	12
43	2050		3	3			15	12
Total		67		162			419	25'
resent V				41			55	14
. ,			umed at 10 %					·
1	Net Pres	ent Value (1	NPV = B - C)				1-

Table 18 Calculation of Economic Internal Rate of Return (EIRR) in Irrigation Improvement Component in the West and East Aegean River Basin (The Target Year of 2021: The Year to Start the Full Scale Services)

(Condit	ions) 1. C	Current Irrig	gated area:			in average assur gation rates.	ned based on p	ast 6 years
						conomic Benefi	t	
		J	Economic Co	st		asic Unit of		=
Year						mic Benefit	1.947	
in	Fiscal	Direct				(1,000 Lev)		Cash Balance
Order	Year	Cost incl.	OM Cost	Total	20 % of	Incremental		-
		ES, Adm.			Potential	Irrigation	Bennefit	
		PC.			Irrigation Area	-		
0	2007	0	0	0	0	0	0	C
1	2008	0	0	0	0	0	0	Č
2	2009	0	0	0	0	0	0	(
3	2010	0	0	0	0	0	0	(
4	2011	43	0	43	0	0	0	-43
5	2012	43	2	46	5,922	3,888	8	-38
6	2013	43	4	48	11,844	7,776	15	-33
7	2013	43	7	50	17,767	11,664	23	-27
8	2014	43	9	52		14,887	23	
8 9			9 11	52 54	22,536			-23
	2016	43			28,587	18,791	37	-18
10	2017	43	13	56 50	35,645	23,462	46	-11
11	2018	43	15	59	42,703	28,133	55	-4
12	2019	43	17	61	53,993	35,560	69	9
13	2020	43	20	63	63,506	41,792	81	18
14	2021		22	22	73,441	48,346	94	72
15	2022		22	22			94	72
16	2023		22	22			94	72
17	2024		22	22			94	72
18	2025		22	22			94	72
19	2026		22	22			94	72
20	2027		22	22			94	72
21	2028		22	22			94	72
22	2029		22	22			94	72
23	2030		22	22			94	72
24	2031		22	22			94	72
25	2032		22	22			94	72
26	2033		22	22			94	72
27	2034		22	22			94	72
28	2035		22	22			94	72
29	2036		22	22			94	72
30	2037		22	22			94	72
31	2038		22	22			94	72
32	2039		22	22			94	72
33	2040		22	22			94	72
34	2041		22	22			94	72
35	2042		22	22			94	72
36	2043		22	22			94	72
37	2044		22	22			94	72
38	2045		22	22			94	72
39	2046		22	22			94	72
40	2047		22	22			94	72
41	2048		22	22			94	72
42	2049		22	22			94	72
43	2050		22	22			94	72
Total	2030	434		1,052			2,622	1,570
Present	Vaalue			267			347	79
		t Rate is ass	umed at 10 %				217	.,,
, ,			NPV = B - C					79
•	EIRR							14.639
	D/C Doti							1.20

Table 19 Calculation of Economic Internal Rate of Return (EIRR) in Swewerage Systems Improvement Component in the East Aegean River Basin (The Target Year of 2015: The Year to Start the Full Scale Services)

		I	Economic Co	st						Ec	onomic Benefit								
					From WW F	Reduction	From WW	TP	From Sa	ving of Me	lical Expenditure			From Savin	g of Income	e Decrease			
					Volumee of WV (m3)		Volumee of Newly Treated WW in WWTP Newly		Consumed Volume of Ground V Domestic Purpose (m3)	Vater for	Outpatient Number of	Inpatient Number of		Out patient	Inpatient				
Year in	Fiscal	Direct Cost incl.				218,608,956 22,913,340	Constructed	(m3):	Averagge Assumed Abstraction	90%	Outpatient: 249	Inpatient:		Number of Visit to Hospitals 1.44	Length o		53		Cash
Order	Year	ES, Adm.	OM Cost	Total	Basic Unit of	Economic	2014: 37,947,607 2015: 12,780,216		Rate: - Utility Rate for Domestic Use:	10%	(patients/ 1,000	(patients/ 1,000	Total	(days/year):	Hospitals 9.53 (days/year):		Total	Grand Total	Balanc
		PC.			Benet 1.74 (I	it: .ev/m3)	Rate of Raw Wa	ter Price	Service Population as of 2014:	245,016	Deople) Unit Expence:	people) Unit Expence:		Number of Workable Persons:		(peersons/ 1, people)	000		
					70% 1.22	Raw Wa	% of Basic Unit: ter Basic (Lev/m3):	30% 0.52	Service Population as of 2015 and thereafter:	270,697	125.75 (Lev/patients)	2,565.39 (Lev/patients)		Average Income:		(Lev/capita.d	lay)		
0	2007	0	0	0	0	0			0		0	0	0	0		0	0	0	
1	2008	0	0	0	0	0			0		0	0	0	0		0	0	0	
2	2009	0	0	0	0	0			0		0	0	0	0		0	0	0	
3	2010	0	0	0	0	0			0		0	0	0	0		0	0	0	
4	2011	722	0	722	0	0			0		0	0	0	0		0	0	0	-7
5	2012	941	0	941	0	0			0		0	0	0	0		0	0	0	-9
6	2013	941	0	941	0	0			0		0	0	0	0		0	0	0	-9
7	2014	219	33	252	218,608,956	266	37,947,607	20	19,674,806		8	32	40	2		11	12	338	
8	2015		47	47	241,522,296	294	50,727,823	26	21,737,007		8	36	44	2		12	14	378	3:
9	2016		47	47	241,522,296	294	50,727,823	26	21,737,007		8	36	44	2		12	14	378	3:
10	2017		47	47	241,522,296	294	50,727,823	26	21,737,007		8	36	44	2		12	14	378	3
11	2018		47	47	241,522,296	294	50,727,823	26	21,737,007		8	36	44	2		12	14	378	3
12	2019		47	47	241,522,296	294	50,727,823	26	21,737,007		8	36	44	2		12	14	378	3
13	2020		47	47	241,522,296	294	50,727,823	26	21,737,007		8	36	44	2		12	14	378	3
14	2020		47	47	241,522,296	294	50,727,823	26	21,737,007		8	36	44	2		12	14	378	3
15					241,522,296		50,727,823				8		44	2		12			
	2022		47	47		294		26	21,737,007		-	36		2			14	378	3
16	2023		47	47	241,522,296	294	50,727,823	26	21,737,007		8	36	44	2		12	14	378	3
17	2024		47	47	241,522,296	294	50,727,823	26	21,737,007		8	36	44	2		12	14	378	3
18	2025		47	47	241,522,296	294	50,727,823	26	21,737,007		8	36	44	2		12	14	378	3
19	2026		47	47	241,522,296	294	50,727,823	26	21,737,007		8	36	44	2		12	14	378	3
20	2027		47	47	241,522,296	294	50,727,823	26	21,737,007		8	36	44	2		12	14	378	3
21	2028		47	47	241,522,296	294	50,727,823	26	21,737,007		8	36	44	2		12	14	378	3
22	2029		47	47	241,522,296	294	50,727,823	26	21,737,007		8	36	44	2		12	14	378	3
23	2030		47	47	241,522,296	294	50,727,823	26	21,737,007		8	36	44	2		12	14	378	3
24	2031		47	47	241,522,296	294	50,727,823	26	21,737,007		8	36	44	2		12	14	378	3
25	2032		47	47	241,522,296	294	50,727,823	26	21,737,007		8	36	44	2		12	14	378	3
26	2033		47	47	241,522,296	294	50,727,823	26	21,737,007		8	36	44	2		12	14	378	3
27	2034		47	47	241,522,296	294	50,727,823	26	21,737,007		8	36	44	2		12	14	378	3
28	2035		47	47	241,522,296	294	50,727,823	26	21,737,007		8	36	44	2		12	14	378	3
29	2036		47	47	241,522,296	294	50,727,823	26	21,737,007		8	36	44	2		12	14	378	3
30	2037		47	47	241,522,296	294	50,727,823	26	21,737,007		8	36	44	2		12	14	378	3
31	2037		47	47	241,522,296	294	50,727,823	26	21,737,007		8	36	44	2		12	14	378	3
32	2039		47	47	241,522,296	294	50,727,823	26	21,737,007		8	36	44	2		12	14	378	3
33	2039		47	47	241,522,296	294 294	50,727,823		21,737,007		8	36 36	44	2		12	14	378 378	3
					241,522,296		50,727,823	26			8		44	2		12			
34	2041		47	47		294		26	21,737,007		8	36		2		12	14	378	3
35	2042		47	47	241,522,296	294	50,727,823	26	21,737,007		8	36	44	2			14	378	3
36	2043		47	47	241,522,296	294	50,727,823	26	21,737,007		8	36	44	2		12	14	378	33
37	2044		47	47	241,522,296	294	50,727,823	26	21,737,007		8	36	44	2		12	14	378	3
otal		2,823		4,280															7,3
	Vaalue Discount	Rate is acci	med at 10 %	1,789														1,819	
	Net Pres		IPV = B - C																
1	EIRR																		10.2
-	B/C Rati																		1.

(Remarks) Designed Consumed Volume of Water:

Table 20 Calculation of Economic Internal Rate of Return (EIRR) in Swewerage Systems Improvement Component in the West Aegean River Basin (The Target Year of 2015: The Year to Start the Full Scale Services)

			Economic Co	ost						Ec	onomic Benefit							
					From W	V Reduction	From WWTP		From Saving of Medical Expenditure					From Savin		_		
	in Fiscal					WW Reduction n3):	Volumee of Newly WW in WWTP		Consumed Volume of Ground V Domestic Purpose (m3)	Vater for	Outpatient Number of	Inpatient Number of		Out patient	Inpatient		"	
Year in		Direct Cost incl.				: 100,524,133	Constructed (m3):		Averagge Assumed Abstraction	90%	Outpatient:	Inpatient:		Number of Visit to Hospitals 1.44	Length of Stay in Hospitals 9.53	9 53		Cash
Order	Year	ES, Adm.	OM Cost	Total		of Economic	2015:	1,833,424			(patients/ 1,000 people)	(patients/ 1,000 7	otal	(days/year): Number of Workable	(days/year):	To	tal Grand Tot	al Balance
		PC.				nefit:			Utility Rate for Domestic Use:	10%		people)				1.000		
					1.74	(Lev/m3)	Rate of Raw Wat	er Price	Service Population as of 2014:	112,667	Unit Expence:	Unit Expence:		Persons:	351 (peersons/ people)	,		
					70% 1.2	2 Raw W	% of Basic Unit: ater Basic (Lev/m3):	30% 0.52	Service Population as of 2015 and thereafter:	127,025	125.75 (Lev/patients)	2,565.39 (Lev/patients)		Average Income:	12.96 (Lev/capita	.day)		
0	2007	0	0	0	0	0			0		0	0	0	0	0	(0	- (
1	2008	0	0	0	0	0			0		0	0	0	0	0	(0	(
2	2009	0	0	0	0	0			0		0	0	0	0	0	(0	(
3	2010	0	0	0	0	0			0		0	0	0	0	0	(0	
4	2011	261	0	261	0	0			0		0	0	0	0	0	(0	-26
5	2012	316	0	316	0	0			0		0	0	0	0	0	(-	-31
6	2013	316	0	316	0	0			0		0	0	0	0	0	(-	-31
7	2014	55	14	69	100,524,13		9,330,324	5	9,047,172		4		18	1	5	6		8:
8	2015		18	18	113,334,49		11,163,748	6	10,200,104		4		21	1	6	6		15:
9	2016		18	18	113,334,49		11,163,748	6	10,200,104		4		21	1	6	6		15
10	2017		18	18	113,334,49		11,163,748	6	10,200,104		4		21	1	6	6		15
11	2018		18	18	113,334,49		11,163,748	6	10,200,104		4		21	1	6	6		15
12	2019		18	18	113,334,49		11,163,748	6	10,200,104		4		21	1	6	6		15
13	2020		18	18	113,334,49		11,163,748	6	10,200,104		4		21	1	6	6		15
14	2021		18	18	113,334,49		11,163,748	6	10,200,104		4		21	1	6	6		15
15	2022		18	18	113,334,49 113,334,49		11,163,748	6	10,200,104 10,200,104		4		21	1	6	6		15
16 17	2023 2024		18 18	18 18			11,163,748	6 6			4		21 21	1	0	6		15 15
18	2024		18	18	113,334,49 113,334,49		11,163,748	6	10,200,104 10,200,104		4		21	1	0	6		15
19	2025		18	18	113,334,49		11,163,748 11,163,748	6	10,200,104		4		21	1	0	6		15
20	2020		18	18	113,334,49		11,163,748	6	10,200,104		4		21	1	6	6		15
21	2027		18	18	113,334,49		11,163,748	6	10,200,104		4		21	1	6	6		15
22	2029		18	18	113,334,49		11,163,748	6	10,200,104		4		21	1	6	6		15
23	2030		18	18	113,334,49		11,163,748	6	10,200,104		4		21	1	6	6		15
24	2030		18	18	113,334,49		11,163,748	6	10,200,104		4		21	1	6	6		15
25	2031		18	18	113,334,49		11,163,748	6	10,200,104		4		21	1	6	6		15
26	2033		18	18	113,334,49		11,163,748	6	10,200,104		4		21	1	6	ć		15
27	2034		18	18	113,334,49		11,163,748	6	10,200,104		4		21	1	6	·		15
28	2035		18	18	113,334,49		11,163,748	6	10,200,104		4		21	1	6			15
29	2036		18	18	113,334,49		11,163,748	6	10,200,104		4		21	1	6	6		15
30	2037		18	18	113,334,49		11,163,748	6	10,200,104		4		21	1	6	ė		15
31	2038		18	18	113,334,49		11,163,748	6	10,200,104		4	17	21	1	6	e		15
32	2039		18	18	113,334,49	1 138	11,163,748	6	10,200,104		4	17	21	1	6	ϵ	171	15
33	2040		18	18	113,334,49		11,163,748	6	10,200,104		4		21	1	6	e		15
34	2041		18	18	113,334,49	1 138	11,163,748	6	10,200,104		4	17	21	1	6	ϵ	171	15
35	2042		18	18	113,334,49	1 138	11,163,748	6	10,200,104		4		21	1	6	ϵ	171	15
36	2043		18	18	113,334,49	1 138	11,163,748	6	10,200,104		4	17	21	1	6	ϵ	171	15
37	2044		18	18	113,334,49	1 138	11,163,748	6	10,200,104		4	17	21	1	6	ϵ	171	15
Total		948		1,498				-										3,77
	Vaalue			613		·		-									821	20
(Note)			umed at 10 %															
		ent Value (N	NPV = B - C))														20
	EIRR																	13.94

B/C Ratio
(Remarks) Designed Consumed Volume of Water: 220 (Idc)

1.34

Table 21 Calculation of Economic Internal Rate of Return (EIRR) in Swewerage Systems Improvement Component in the West and East Aegean River Basins (The Target Year of 2015: The Year to Start the Full Scale Services)

]	Economic Co	ost						Ec	onomic Benefit							
					From WW	Reduction	From WW	TP	From Saving of Medical Expenditure From Saving of Income Decrease								_	
	in Fiscal C					Volumee of WW Reduction (m3):		y Treated Newly	Consumed Volume of Ground Water for Domestic Purpose (m3)		Outpatient Number of	Inpatient Number of		Out patient	Inpatient			
Year in		Direct Cost incl.	0116	T 1	2014: 2015:	319,133,089 35,723,698	Constructed (m3): 2014: 47,277,9		Averagge Assumed Abstraction Rate:		Outpatient: 249	Inpatient: 51		Number of Visit to Hospitals 1.44	Length of Stay in Hospitals	9.53	C 1.T	Cash
Order		ES, Adm.	OM Cost	Total	Basic Unit of	Economic	2015:	14,613,640	Utility Rate for Domestic Use:	10%	(patients/ 1,000 people)	(patients/ 1,000	Total	(days/year):	(days/year):	To	tal Grand T	otal Balance
		PC.			Bene		Rate of Raw Wat	ter Price				people)		Number of Workable	351 (peersons/	1,000		
					1.74 (Lev/m3)			Service Population as of 2014:	357,683	Unit Expence:	Unit Expence:		Persons:	people)			
					70% 1.22	Raw Wa	% of Basic Unit: ter Basic (Lev/m3):	30% 0.52	Service Population as of 2015 and thereafter:	397,722	125.75 (Lev/patients)	2,565.39 (Lev/patients)		Average Income:	12.96 (Lev/capit	ta.day)		
0	2007	0	0	0	0	0			0		0	0	0	0	0		0 0	(
1	2008	0	0	0	0	0			0		0	0	0	0	0	(0	(
2	2009	0	0	0	0	0			0		0	0	0	0	0	() 0	(
3	2010	0	0	0	0	0			0		0	0	0	0	0	(0	(
4	2011	983	0	983	0	0			0		0	0	0	0	0	(, ,	-983
5	2012	1,257	0	1,257	0	0			0		0	0	0	0	0	(-1,257
6	2013	1,257	0	1,257	0	0			0		0	0	0	0	0	(,	-1,257
7	2014	274	48	322	319,133,089	388	47,277,931	25	28,721,978		11	47	58	2	16		8 489	167
8	2015		65	65	354,856,787	432	61,891,572	32	31,937,111		12	52	65	3	17	2		483
9	2016		65	65	354,856,787	432	61,891,572	32	31,937,111		12	52	65	3	17	2		483
10	2017		65	65	354,856,787	432	61,891,572	32	31,937,111		12	52	65	3	17	2		483
11	2018		65	65	354,856,787	432	61,891,572	32	31,937,111		12	52	65	3	17	2		48:
12	2019		65	65	354,856,787	432	61,891,572	32	31,937,111		12	52	65	3	17	2		48:
13	2020		65	65	354,856,787	432	61,891,572 61,891,572	32	31,937,111 31,937,111		12	52	65	3	17 17	2		48:
14 15	2021		65 65	65 65	354,856,787 354,856,787	432 432	61,891,572	32 32	31,937,111		12 12	52 52	65 65	3	17	2		483 483
16	2022 2023		65	65	354,856,787	432	61,891,572	32	31,937,111		12	52 52	65	3	17	2		483
17	2023		65	65	354,856,787	432	61,891,572	32	31,937,111		12	52 52	65	3	17	2		483
18	2024		65	65	354,856,787	432	61,891,572	32	31,937,111		12	52	65	3	17	2		483
19	2025		65	65	354,856,787	432	61,891,572	32	31,937,111		12	52	65	3	17	2		48:
20	2020		65	65	354,856,787	432	61,891,572	32	31,937,111		12	52	65	3	17	2		48.
21	2027		65	65	354,856,787	432	61,891,572	32	31,937,111		12	52	65	3	17	2		48
22	2029		65	65	354,856,787	432	61,891,572	32	31,937,111		12	52	65	3	17	2		48.
23	2030		65	65	354,856,787	432	61,891,572	32	31,937,111		12	52	65	3	17	2		48:
24	2030		65	65	354,856,787	432	61,891,572	32	31,937,111		12	52	65	3	17	2		48:
25	2032		65	65	354,856,787	432	61,891,572	32	31,937,111		12	52	65	3	17	2		48:
26	2033		65	65	354,856,787	432	61,891,572	32	31,937,111		12	52	65	3	17	2		48:
27	2034		65	65	354,856,787	432	61,891,572	32	31,937,111		12	52	65	3	17	2		48:
28	2035		65	65	354,856,787	432	61,891,572	32	31,937,111		12	52	65	3	17	2		48
29	2036		65	65	354,856,787	432	61,891,572	32	31,937,111		12	52	65	3	17	2		48
30	2037		65	65	354,856,787	432	61,891,572	32	31,937,111		12	52	65	3	17	2		483
31	2038		65	65	354,856,787	432	61,891,572	32	31,937,111		12	52	65	3	17	2		483
32	2039		65	65	354,856,787	432	61,891,572	32	31,937,111		12	52	65	3	17	2		483
33	2040		65	65	354,856,787	432	61,891,572	32	31,937,111		12	52	65	3	17	2	0 548	483
34	2041		65	65	354,856,787	432	61,891,572	32	31,937,111		12	52	65	3	17	2		483
35	2042		65	65	354,856,787	432	61,891,572	32	31,937,111		12	52	65	3	17	2	0 548	483
36	2043		65	65	354,856,787	432	61,891,572	32	31,937,111		12	52	65	3	17	2	0 548	483
37	2044		65	65	354,856,787	432	61,891,572	32	31,937,111		12	52	65	3	17	2	0 548	483
Total		3,771		5,778					·	-								11,163
	Vaalue			2,402					·								2,640	238
			imed at 10 %															
		ent Value (N	NPV = B - C)														238
	EIRR																	11.209

B/C Ratio
(Remarks) Designed Consumed Volume of Water: 220 (Ide

1.10

Table 22 Calculation of Economic Internal Rate of Return (EIRR) in Swewerage Systems Improvement Component in the East Aegean River Basin (The Practical Case of the Year of 2021: The Year to Start the Full Scale Services)

(million Lev) Economic Cost Economic Benefit From Saving of Medical Expenditure From WW Reduction From WWTP From Saving of Income Decrease Volumee of WW Reduction Volumee of Newly Treated Consumed Volume of Ground Water for Outpatient Inpatient Out patient Inpatient WW in WWTP Newly Number of (m3): Domestic Purpose (m3) Year Direct 2014: 200,107,677 Constructed (m3): Averagge Assumed Abstraction Outpatient: Inpatient: Number of Visit to Length of Stay in Fiscal Cash Cost incl. 2015: 24,045,133 2014: 29,560,236 Rate: Hospitals 1.44 Hospitals 9.53 Year OM Cost Total Grand Total Balance Order 8,589,908 Total ES. Adm. 10.582.148 2015: (patients/ 1.000 (patients/ 1,000 Total (days/year): Utility Rate for Domestic Use: PC. 6,787,337 8,522,916 (peersons/ 1,000 2018: people) Number of Workable people) 4,054,763 Basic Unit of Economic Benefit 224,280 Service Population as of 2014: Unit Expence: Unit Expence: 1.74 (Lev/m3) % of Basic Unit: 30% Service Population as of 2015 and 2,565.39 Average Income: 12.96 (Lev/capita.day) 70% 251,230 Raw Water Basic (Lev/m3) 0.52 (Lev/patients) (Lev/patients) -602 -749 -749 29 560 236 200.107.677 18 009 691 224,152,811 38,150,144 20,173,753 224.152.811 38,150,144 20,173,753 224,152,811 38,150,144 20,173,753 234,734,959 46,673,060 21.126.146 241,522,296 50,727,823 21,737,007 241,522,296 21,737,007 50,727,823 241,522,296 21,737,007 50,727,823 241,522,296 50,727,823 21,737,007 241,522,296 50,727,823 21,737,007 21,737,007 241.522.296 50,727,823 241,522,296 50,727,823 21,737,007 241,522,296 50,727,823 21,737,007 241,522,296 50,727,823 21,737,007 241 522 296 50,727,823 21,737,007 241,522,296 50,727,823 21,737,007 241,522,296 50,727,823 21,737,007 241,522,296 50,727,823 21,737,007 241,522,296 50,727,823 21,737,007 241,522,296 50,727,823 21,737,007 241,522,296 50,727,823 21,737,007 241,522,296 50,727,823 21,737,007 241,522,296 50,727,823 21,737,007 241,522,296 50,727,823 21,737,007 241,522,296 50,727,823 21,737,007 241,522,296 50,727,823 21,737,007 241,522,296 50,727,823 21,737,007 241,522,296 21,737,007 50,727,823 241,522,296 50,727,823 21,737,007 241,522,296 50,727,823 21,737,007 241,522,296 50,727,823 21,737,007 241,522,296 50.727.823 21,737,007 241,522,296 50,727,823 21,737,007 241,522,296 50,727,823 21,737,007 241,522,296 50,727,823 Total 4.419 8.496 1.782 (Note) Discount Rate is assumed at 10 % Net Present Value (NPV = B - C)) EIRR 10.79%

Annex I.1- 24

Designed Consumed Volume of Water:

Table 23 Calculation of Economic Internal Rate of Return (EIRR) in Swewerage Systems Improvement Component in the West Aegean River Basin (The Practical Case of the Year of 2021: The Year to Start the Full Scale Services)

(million Lev)

Economic Cost Economic Benefit From WW Reduction From WWTP From Saving of Medical Expenditure From Saving of Income Decrease Volumee of WW Reduction Volume of Newly Treated Consumed Volume of Ground Water for Outpatient Inpatient Out patient Inpatient WW in WWTP Newly Number of (m3): Domestic Purpose (m3) Year Direct 81,076,891 2014: Constructed (m3): Averagge Assumed Abstraction Outpatient: Inpatient: Number of Visit to Length of Stay in Fiscal Cash Cost incl. 2015: 21,824,999 2014: 8,967,503 Rate: Hospitals 1.44 Hospitals 9.53 Year OM Cost Total Grand Total Balance Order 1,201,833 Total ES, Adm. 2018: 10,432,601 2015: (patients/ 1,000 (patients/ 1,000 Total (days/year): Utility Rate for Domestic Use: PC. 2018: 994,413 (peersons/ 1,000 people) Number of Workable people) Basic Unit of Economic Benefit: 2019: 90,871 Service Population as of 2014: Unit Expence: Unit Expence: 125.75 1.74 (Lev/m3) % of Basic Unit: 30% Service Population as of 2015 and 2,565.39 Average Income: 12.96 (Lev/capita.day) 115.332 70% 0.52 Raw Water Basic (Lev/m3): (Lev/patients) (Lev/patients) -211 -277 -277 8,967,503 81 076 891 7,296,920 102,901,890 10,169,335 9,261,170 102,901,890 10,169,335 9.261.170 102,901,890 10,169,335 9,261,170 113,334,491 11.163.748 10 200 104 113,334,491 11,163,748 10,200,104 113,334,491 11,163,748 10,200,104 113,334,491 11,163,748 10,200,104 113,334,491 11,163,748 10,200,104 113,334,491 11,163,748 10,200,104 113,334,491 11,163,748 10,200,104 113,334,491 11,163,748 10,200,104 113,334,491 11,163,748 10,200,104 113,334,491 11,163,748 10,200,104 113,334,491 11.163.748 10 200 104 113,334,491 11,163,748 10,200,104 113,334,491 11,163,748 10,200,104 113,334,491 11,163,748 10,200,104 113,334,491 11,163,748 10,200,104 113,334,491 11,163,748 10,200,104 113,334,491 11,163,748 10,200,104 113,334,491 11,163,748 10,200,104 113,334,491 11,163,748 10,200,104 113,334,491 11,163,748 10,200,104 113,334,491 11,163,748 10,200,104 113,334,491 11,163,748 10,200,104 113,334,491 11,163,748 10,200,104 113,334,491 10,200,104 11.163.748 113,334,491 11,163,748 10,200,104 113,334,491 11,163,748 10,200,104

 Present Value
 588

 (Note) Discount Rate is assumed at 10 %.
 588

 Net Present Value (NPV = B - C)
 208

 EIRR
 14.03%

10,200,104

10,200,104

10,200,104

10,200,104

10,200,104

(Remarks) Designed Consumed Volume of Water: 220 (ldc)

1.559

113,334,491

113,334,491

113,334,491

113.334.491

113,334,491

11,163,748

11,163,748

11,163,748

11,163,748

37 2044

38 2045

39 2046

40 2047

41 2048

Total

Table 24 Calculation of Economic Internal Rate of Return (EIRR) in Swewerage Systems Improvement Component in the West and East Aegean River Basins (The Practical Case of the Year of 2021: The Year to Start the Full Scale Services)

(million Lev) Economic Cost Economic Benefit From Saving of Medical Expenditure From WW Reduction From WWTP From Saving of Income Decrease Volume of WW Reduction Volume of Newly Treated Consumed Volume of Ground Water for Outpatient Inpatient Out patient Inpatient WW in WWTP Newly Number of (m3): Domestic Purpose (m3) Year Direct 2014: 281,184,569 Constructed (m3): Averagge Assumed Abstraction Outpatient: Inpatient: Number of Visit to Length of Stay in Fiscal Cash Cost incl. 2015: 45,870,132 2014: 38,527,738 Rate Hospitals 1.44 Hospitals 9.53 Year OM Cost Total Grand Total Balance Order Total ES. Adm. 2018: 21.014.749 2015: 9,791,741 (patients/ 1.000 (patients/ 1,000 Total (days/year): Utility Rate for Domestic Use: PC. 6,787,337 9,517,330 (peersons/ 1,000 2018: people) Number of Workable people) 4,054,763 Basic Unit of Economic Benefit 315,151 Service Population as of 2014: Unit Expence: Unit Expence: 1.74 (Lev/m3) % of Basic Unit: 30% Service Population as of 2015 and 125.75 2,565.39 Average Income: 12.96 (Lev/capita.day) 366 562 70% Raw Water Basic (Lev/m3): 0.52 (Lev/patients) (Lev/patients) -813 1.026 1.026 -1,026 1,026 1,026 -1,02638,527,738 281 184 569 25 306 611 327,054,701 48,319,479 29,434,923 327.054.701 48,319,479 29.434.923 327,054,701 48,319,479 29,434,923 348 069 450 57,836,809 31.326,251 31,937,111 354,856,787 61,891,572 31,937,111 354,856,787 61.891.572 31,937,111 354,856,787 61,891,572 354,856,787 61,891,572 31,937,111 354,856,787 61,891,572 31,937,111 31,937,111 354,856,787 61,891,572 354,856,787 61,891,572 31,937,111 354,856,787 61,891,572 31,937,111 354,856,787 61,891,572 31,937,111 354,856,787 61.891.572 31,937,111 354,856,787 61,891,572 31,937,111 354,856,787 61,891,572 31,937,111 354,856,787 61,891,572 31,937,111 354,856,787 61,891,572 31,937,111 354,856,787 61,891,572 31,937,111 354,856,787 61,891,572 31,937,111 354,856,787 61,891,572 31,937,111 354,856,787 61,891,572 31,937,111 354,856,787 61,891,572 31,937,111 354,856,787 61,891,572 31,937,111 354,856,787 61,891,572 31,937,111 354,856,787 61,891,572 31,937,111 354,856,787 31,937,111 61.891.572 354,856,787 61,891,572 31,937,111 354,856,787 61,891,572 31,937,111 354,856,787 61,891,572 31,937,111 354.856.787 31,937,111 61.891.572 354,856,787 61,891,572 31,937,111 354,856,787 61,891,572 31,937,111 354,856,787 61,891,572 31,937,111 12.737 Total 5.979 2.578 (Note) Discount Rate is assumed at 10 % Net Present Value (NPV = B - C)) EIRR 11.67%

Designed Consumed Volume of Water:

Table 25 Calculation of Economic Internal Rate of Return (EIRR) in Potable Water Supply System Improvement Component in East Aegean River Basin

(The Target Year of 2015: The Year to Start the Full Scale Services)

]	Economic Cos	t		Economic Benefit		
Vaan					Volumee of Water Loss Reduction (m3):	Remark: Benefit comes f saving of expenditure purchas- ing of bottled i Average Unit Price of B Mineral Water:	e for mineral	
Year	Fiscal	Direct			2015:	370.52 (Lev/m3)		Cash
in	Year	Cost incl.	OM Cost	Total	166,573,321	Conservative Average		Balance
Order	1 cai	ES, Adm.	OW Cost	1 Otal		C	30.00%	Daranc
		PC.			means that	Mineral Water per HH:	30.0070	
					the same	Willierar Water per IIII.		
					water volume	Assumed Decreased		
					can be	Rate of Bottled Mineral	5%	
					supplied after	Water to Consume:		
0	2007	0	0	0	0	0		
1	2008	0	0	0	0	0		
2	2009	0	0	0	0	0		
3	2010	0	0	0	0	0		
4	2011	1,193	0	1,193	0	0		-1,19
5	2012	1,193	18	1,211	41,643,330	231		-97
6	2013	1,193	36	1,229	83,286,660	463		-76
7	2014	1,193	54	1,247	124,929,991	694		-55
8	2015	1,173	72	72	166,573,321	926		85
9	2015		72	72	166,573,321	926		85
10	2017		72	72	166,573,321	926		85
11	2018		72	72	166,573,321	926		85
12	2019		72	72	166,573,321	926		85
13	2020		72	72	166,573,321	926		85
14	2021		72	72	166,573,321	926		85
15	2022		72	72	166,573,321	926		85
16	2023		72	72	166,573,321	926		85
17	2024		72	72	166,573,321	926		85
18	2025		72	72	166,573,321	926		85
19	2026		72	72	166,573,321	926		85
20	2027		72	72	166,573,321	926		85
21	2028		72	72	166,573,321	926		85
22	2029		72	72	166,573,321	926		85
23	2030		72	72	166,573,321	926		85
24	2031		72	72	166,573,321	926		85
25	2032		72	72	166,573,321	926		85
26	2033		72	72	166,573,321	926		85
27	2034		72	72	166,573,321	926		85
28	2035		72	72	166,573,321	926		85
29	2036		72	72	166,573,321	926		85
30	2037		72	72	166,573,321	926		85
31	2038		72	72	166,573,321	926		85
32	2039		72	72	166,573,321	926		85
33	2040		72	72	166,573,321	926		85
34	2041		72	72	166,573,321	926		85
35	2042		72	72	166,573,321	926		85
36	2042		72	72	166,573,321	926		85
37	2043		72	72	166,573,321	926		85
Total		4,771	·=	7,026	, ,	29,162		22,13
	Vaalue			2,951		4,763		1,81
			imed at 10 %.					
1		ent Value (N	NPV = B - C)					1,81 17.80
	EIRR							17.80

Table 26 Calculation of Economic Internal Rate of Return (EIRR) in Potable Water Supply System Improvement Component in East Aegean River Basin

(The Practical Case of the Year of 2021: The Year to Start the Full Scale Services)

]	Economic Cost			Economic Benefit		_
					Volumee of Water Loss	Remark: Benefit comes saving of expenditure purchas- ing of bottled	re for	
3.7					Reduction (m3):	Average Unit Price of I		-
Year	Fiscal	Direct			2021:	370.52 (Lev/m3)		Cash
in Order	Year	Cost incl. ES, Adm. PC.	OM Cost	Total	166,573,321	Conservative Average Share Rate of Bottled	30.00%	Balance
		PC.			means that	Mineral Water per HH:		
					the same water volume			='
					can be	Rate of Bottled Mineral	5%	
						Water to Consume:		
0	2007	0	0	0	0	0		0
1	2008	0	0	0	0	0		0
2 3	2009 2010	0	0	0	0	0		0
4	2010	477	0	477	0	0		-477
5	2011	477	7	484	16,657,332	93		-392
6	2012	477	14	491	33,314,664	185		-392
7	2013	477	21	491	49,971,996	278		-221
8	2014	477	29	506	66,629,328	370		-135
9	2016	477	36	513	83,286,660	463		-50
10	2017	477	43	520	99,943,992	555		35
11	2018	477	50	527	116,601,324	648		121
12	2019	477	57	534	133,258,657	741		206
13	2020	477	64	542	149,915,989	833		292
14	2021		72	72	166,573,321	926		854
15	2022		72	72	166,573,321	926		854
16	2023		72	72	166,573,321	926		854
17	2024		72	72	166,573,321	926		854
18	2025		72	72	166,573,321	926		854
19	2026		72	72	166,573,321	926		854
20	2027		72	72	166,573,321	926		854
21	2028		72	72	166,573,321	926		854
22	2029		72	72	166,573,321	926		854
23	2030		72	72	166,573,321	926		854
24	2031		72	72	166,573,321	926		854
25	2032		72	72	166,573,321	926		854
26	2033		72	72	166,573,321	926		854
27	2034		72	72	166,573,321	926		854
28	2035		72	72	166,573,321	926		854
29	2036		72	72	166,573,321	926		854
30	2037		72	72	166,573,321	926		854
31	2038		72	72	166,573,321	926		854
32	2039		72	72	166,573,321	926		854
33	2040		72	72	166,573,321	926		854
34	2041		72	72	166,573,321	926		854
35	2042		72	72	166,573,321	926		854
36	2043		72	72	166,573,321	926		854
37	2044		72	72	166,573,321	926		854
38	2045		72	72	166,573,321	926		854
39	2046		72	72	166,573,321	926		854
40	2047		72	72	166,573,321	926		854
41	2048		72	72	166,573,321	926		854
42	2049		72	72	166,573,321	926		854
43	2050	, ==:	72	72	166,573,321	926		854
Total	37 1	4,771		7,241		31,940		24,699
	Vaalue	. D-4 .	1 . 10 0/	2,292		3,746		1,454
•			umed at 10 %. NPV = B - C))					1,454 17.75%

Table 27 Calculation of Economic Internal Rate of Return (EIRR) in Potable Water Supply System Improvement Component in West Aegean River Basin

(The Target Year of 2015: The Year to Start the Full Scale Services)

			Economic Cos	st		Economic Benefit Remark: Benefit comes from th	
					Volumee of Water Loss Reduction	saving of expenditure for purchas- ing of bottled mineral	
					(m3):	Average Unit Price of Bottled	
Year	Eigeal	Direct			. ,	Mineral Water:	Cook
in	Fiscal Year	Cost incl.	OM Cost	Total	2015: 42,067,564	370.52 (Lev/m3) Conservative Average	— Cash Balance
Order	1 cai	ES, Adm.	OM Cost	Total		Share Rate of Bottled 30.00%	
		PC.			means that	Mineral Water per HH:	
					the same	Assumed Decreased	
					water volume can be	Rate of Bottled Mineral 5%	
					supplied after	Water to Consume:	
0	2007	0	0	0	0	0	(
1	2008	0	0	0	0	0	(
2	2009	0	0	0	0	0	(
3	2010	0	0	0	0	0	244
4 5	2011 2012	349 349	0 5	349 354	10,516,891	0 58	-349 -290
6	2012	349	10	360	21,033,782	117	-243
7	2013	349	16	365	31,550,673	175	-189
8	2015	0.,	21	21	42,067,564	234	213
9	2016		21	21	42,067,564	234	213
10	2017		21	21	42,067,564	234	21:
11	2018		21	21	42,067,564	234	213
12	2019		21	21	42,067,564	234	213
13	2020		21	21	42,067,564	234	213
14	2021		21	21	42,067,564	234	213
15 16	2022 2023		21 21	21 21	42,067,564 42,067,564	234 234	213 213
17	2023		21	21	42,067,564	234	21.
18	2025		21	21	42,067,564	234	213
19	2026		21	21	42,067,564	234	213
20	2027		21	21	42,067,564	234	21:
21	2028		21	21	42,067,564	234	213
22	2029		21	21	42,067,564	234	213
23	2030		21	21	42,067,564	234	213
24	2031		21	21	42,067,564	234	213
25	2032		21	21	42,067,564	234	213
26	2033		21	21	42,067,564	234	213
27 28	2034 2035		21 21	21 21	42,067,564 42,067,564	234 234	213 213
28 29	2035		21	21	42,067,564	234	21.
30	2037		21	21	42,067,564	234	213
31	2038		21	21	42,067,564	234	213
32	2039		21	21	42,067,564	234	213
33	2040		21	21	42,067,564	234	213
34	2041		21	21	42,067,564	234	213
35	2042		21	21	42,067,564	234	213
36	2043		21	21	42,067,564	234	213
37 Total	2044	1 207	21	21	42,067,564	7 365	213
Total Present	Vaalue	1,396		2,056 864		7,365 1,203	5,309
		t Rate is assi	umed at 10 %			1,200	333
	Net Pres		NPV = B - C)				339
	EIRR						15.069

Table 28 Calculation of Economic Internal Rate of Return (EIRR) in Potable Water Supply System Improvement Component in West Aegean River Basin

(The Practical Case of the Year of 2021: The Year to Start the Full Scale Services)

]	Economic Cos	t		Economic Benefit		
					Volumee of	Remark: Benefit comes	from the	-
						saving of expenditu	re for	
					Water Loss	purchas- ing of bottled	mineral	
					Reduction	Average Unit Price of	Bottled	•
					(m3):	Mineral Water:		
Year	Fiscal	Direct			2021:	370.52 (Lev/m3)		Cash
in	Year	Cost incl.	OM Cost	Total	42,067,564	Conservative Average		Balance
Order	1 Cui	ES, Adm.	ON COSt	Total		Share Rate of Bottled	30.00%	Bulaire
		PC.			means that	Mineral Water per HH:	30.0070	
					the same	Timerar Water per IIII		•
					water volume	Assumed Decreased		
					can be	Rate of Bottled Mineral	5%	
					supplied after	Water to Consume:		
0	2007	0	0	0	0	0		
1	2008	0	0	0	0	0		
2	2009	0	0	0	0	0		
3	2010	0	0	0	0	0		
4	2011	140	0	140	0	0		-14
5	2011	140	2	140	4,206,756	23		-14
<i>5</i>	2012	140	4	144	8,413,513	47		-11 -9
7		140		144 146		70		-9 -7
	2014		6		12,620,269			
8	2015	140	8	148	16,827,026	94		-5
9	2016	140	10	150	21,033,782	117		-3
10	2017	140	13	152	25,240,538	140		-1
11	2018	140	15	154	29,447,295	164		
12	2019	140	17	156	33,654,051	187		3
13	2020	140	19	158	37,860,808	210		5
14	2021		21	21	42,067,564	234		21
15	2022		21	21	42,067,564	234		21
16	2023		21	21	42,067,564	234		21
17	2024		21	21	42,067,564	234		21
18	2025		21	21	42,067,564	234		21
19	2026		21	21	42,067,564	234		21
20	2027		21	21	42,067,564	234		21
21	2028		21	21	42,067,564	234		21
22	2029		21	21	42,067,564	234		21
23	2030		21	21	42,067,564	234		21
24	2031		21	21	42,067,564	234		21
25	2032		21	21	42,067,564	234		21
26	2033		21	21	42,067,564	234		21
27	2033		21	21	42,067,564	234		21
28	2034		21	21		234		21
					42,067,564	234		
29	2036		21	21	42,067,564			21
30	2037		21	21	42,067,564	234		21
31	2038		21	21	42,067,564	234		21
32	2039		21	21	42,067,564	234		21
33	2040		21	21	42,067,564	234		21
34	2041		21	21	42,067,564	234		21
35	2042		21	21	42,067,564	234		21
36	2043		21	21	42,067,564	234		21
37	2044		21	21	42,067,564	234		21
38	2045		21	21	42,067,564	234		21
39	2046		21	21	42,067,564	234		21
40	2047		21	21	42,067,564	234		21
41	2048		21	21	42,067,564	234		21
42	2049		21	21	42,067,564	234		21
43	2050		21	21	42,067,564	234		21
otal		1,396		2,119		8,066		5,94
	Vaalue			671		946		27
Note)	Discoun	Rate is assi	umed at 10 %		-			
	Net Pres	ent Value (N	NPV = B - C)					27

B/C Ratio

Table 29 Calculation of Economic Internal Rate of Return (EIRR) in Potable Water Supply System Improvement Component in Both the 2 Basins

(The Target Year of 2015: The Year to Start the Full Scale Services)

			Economic Cos	,,,		Economic Benefit		•
					Volumee of Water Loss	Remark: Benefit comes saving of expenditu purchas- ing of bottled	re for	
Year	Fiscal	Direct			Reduction (m3):	Average Unit Price of Mineral Water 370.52 (Lev/m3		Cash
in Order	Year	Cost incl. ES, Adm. PC.	OM Cost	Total	2015: 208,640,885 Remark: This means that	Conservative Average Share Rate of Bottled Mineral Water per HH:	30.00%	Balance
					the same water volume can be supplied after	Rate of Bottled Mineral	5%	•
0	2007	0	0	0	0	0		
1	2008	0	0	0	0	0		
2	2009	0	0	0	0	0		
3	2010	0	0	0	0	0		
4	2011	1,542	0	1,542	0	0		-1,54
5	2012	1,542	23	1,565	52,160,221	290		-1,27
6	2013	1,542	46	1,588	104,320,442	580 870		-1,00
7 8	2014 2015	1,542	69 93	1,611 93	156,480,664 208,640,885	1,160		-74 1.04
9	2013		93	93	208,640,885	1,160		1,06 1,06
10	2017		93	93	208,640,885	1,160		1,06
11	2018		93	93	208,640,885	1,160		1,06
12	2019		93	93	208,640,885	1,160		1,06
13	2020		93	93	208,640,885	1,160		1,06
14	2021		93	93	208,640,885	1,160		1,06
15	2022		93	93	208,640,885	1,160		1,06
16	2023		93	93	208,640,885	1,160		1,06
17	2024		93	93	208,640,885	1,160		1,06
18	2025		93	93	208,640,885	1,160		1,06
19	2026		93	93	208,640,885	1,160		1,06
20	2027		93	93	208,640,885	1,160		1,00
21	2028		93	93	208,640,885	1,160		1,06
22	2029		93	93	208,640,885	1,160		1,06
23 24	2030 2031		93 93	93 93	208,640,885 208,640,885	1,160 1,160		1,06
25	2031		93 93	93	208,640,885	1,160		1,06 1,06
26	2032		93	93	208,640,885	1,160		1,00
27	2034		93	93	208,640,885	1,160		1,00
28	2035		93	93	208,640,885	1,160		1,06
29	2036		93	93	208,640,885	1,160		1,06
30	2037		93	93	208,640,885	1,160		1,06
31	2038		93	93	208,640,885	1,160		1,06
32	2039		93	93	208,640,885	1,160		1,06
33	2040		93	93	208,640,885	1,160		1,06
34	2041		93	93	208,640,885	1,160		1,06
35 36	2042		93	93	208,640,885 208,640,885	1,160 1,160		1,06
36 37	2043 2044		93 93	93 93	208,640,885	1,160		1,06 1,06
Total	2044	6,168)3	9,082	200,040,003	36,527		27,44
	Vaalue	0,100		3,814		5,966		2,15
		Rate is assi	amed at 10 %					
			NPV = B - C)					2,15
	EIRR							17.19

Table 30 Calculation of Economic Internal Rate of Return (EIRR) in Potable Water Supply System Improvement Component in Both the 2 Basins

(The Practical Case of the Year of 2021: The Year to Start the Full Scale Services)

			Economic Cos	st		Economic Benefit		•
					Volumee of	Remark: Benefit come		
					Water Loss	saving of expendit		
					Reduction	purchas- ing of bottle		•
					(m3):	Average Unit Price of	Bottled	
Year		Direct			(1113).	Mineral Water	:	
in	Fiscal	Cost incl.			2021:	370.52 (Lev/m3	5)	Cash
Order	Year	ES, Adm.	OM Cost	Total	208,640,885	Conservative Average		Balanc
Oruci		PC.			Remark: This	Share Rate of Bottled	30.00%	
		10.			means that	Mineral Water per HH:		_
					the same	Assumed Decreased		
					water volume	Rate of Bottled Mineral	5%	
					can be	Water to Consume:	370	
0	2007	0	0	0	0			
0 1	2007 2008	0	0	0	0	0		
2	2009	0	0	0	0	0		
3	2010	0	0	0	0	0		
4	2010	617	0	617	0	0		-61
5	2011	617	9	626	20,864,088	116		-0: -5:
6	2012	617	19	635	41,728,177	232		-3 -4(
7	2013	617	28	645	62,592,265	348		-29
8	2014	617	37	654	83,456,354	464		-19
9	2013	617	46	663	104,320,442	580		-1:
10	2016	617	56	672	125,184,531	696		
11	2017	617	65	682	146,048,619	812		13
12	2019	617	74	691	166,912,708	928		2:
13	2020	617	83	700	187,776,796	1,044		3
14	2020	017	93	93	208,640,885	1,160		1,0
15	2022		93	93	208,640,885	1,160		1,0
16	2023		93	93	208,640,885	1,160		1,0
17	2023		93	93	208,640,885	1,160		1,0
18	2025		93	93	208,640,885	1,160		1,0
19	2026		93	93	208,640,885	1,160		1,0
20	2027		93	93	208,640,885	1,160		1,0
21	2028		93	93	208,640,885	1,160		1,0
22	2029		93	93	208,640,885	1,160		1,0
23	2030		93	93	208,640,885	1,160		1,0
24	2031		93	93	208,640,885	1,160		1,0
25	2032		93	93	208,640,885	1,160		1,0
26	2033		93	93	208,640,885	1,160		1,0
27	2034		93	93	208,640,885	1,160		1,0
28	2035		93	93	208,640,885	1,160		1,0
29	2036		93	93	208,640,885	1,160		1,0
30	2037		93	93	208,640,885	1,160		1,0
31	2038		93	93	208,640,885	1,160		1,0
32	2039		93	93	208,640,885	1,160		1,0
33	2040		93	93	208,640,885	1,160		1,0
34	2041		93	93	208,640,885	1,160		1,0
35	2042		93	93	208,640,885	1,160		1,0
36	2043		93	93	208,640,885	1,160		1,0
37	2044		93	93	208,640,885	1,160		1,0
38	2045		93	93	208,640,885	1,160		1,0
39	2046		93	93	208,640,885	1,160		1,0
40	2047		93	93	208,640,885	1,160		1,0
41	2048		93	93	208,640,885	1,160		1,0
42	2049		93	93	208,640,885	1,160		1,0
43	2050		93	93	208,640,885	1,160		1,0
Total		6,168		9,360		40,006		30,6
	Vaalue	· ·		2,963		4,692		1,7
			umed at 10 %					
,		ent Value (I	NPV = B - C)				1,7
	EIRR B/C Rat							17.1 1.

Annex I.2

Supplementary Tables for Financial Analysis

Table 101 Balance Sheet of Blagoevgrad WS&S Co. Ltd. - Blagoevgrad, South West Region (100 % State Owned Entetrprise)

	(Unit: 1,000 Levs)											
	Assets	2001	2002	2003	2004	2005	Liabilities	2001	2002	2003	2004	2005
A. Non	Subscribed Capital	0	0	0	0	0	A. Own Capital	19,628	14,803	14,872	14,902	14,578
B. Long	g Term Assets	18,700	13,906	14,621	15,059	15,098	I. Basic Capital	6,241	567	567	567	567
	nmg Term Material Assets	18,679	13,894	14,612	15,012	15,036	Subscribed Capital	5,258	567	567	567	567
1.	Buildings, Lands, Forests and Other	936	743	n.a.	n.a.	894	Additional Capital	983	0	0	0	0
_	Permanent Plantations						II. Reserves	12,610	13,580	13,560	13,549	13,144
	Machinery, Works and Equipment	16,730	12,316	n.a.	n.a.	12,887	Emission Premia	0	0	0	0	0
	Other Long Term Material Assets	499	88	183	184	199	 Reserve for Post-Estimate of Assets and Liabilities (Pre- 	2 771	2 771	2.764	2.764	2.250
4.	Expenses on Acquisition and Liquidation of Long Term Material	514	747	957	744	1.056	Estimate Reserve)	2,771	2,771	2,764	2,764	2,359
	Assets	314	/4/	937	/44	1,056	Target Reserve	9,839	10,809	10,796	10,785	10,785
шт	ong Term Non Material Assets	21	12	9	7	62	a. General Reserve	7,037	10,809	10,790	10,763	10,765
	Expenses on Foundation and						(Additional Reserve)	0	0	0	0	0
	Enlargement	0	0	0	0	0	b. Specialized Reserve					
2.	Research Activities Products	0	0	0	0	0	(Reserve by Law)	0	0	0	0	0
3.	Software incl. Patent, License, etc.	21	12	9	7	4	c. Other Reserve	9,839	10,809	10,796	10,785	10,785
4.	Other Long Term Non-Material Assets	0	0	0	0	58	III. Fianansial Result	777	656	745	786	867
		0	U	U	U	38	 Profit/Loss Accumulated 	491	548	605	627	708
III. I	ong Term Financial Assets	0	0	0	0	0	 Non-Divided Profit 	491	548	605	627	708
1.	Shares and Stocks	0	0	0	0	0	b. Uncovered Loss	0	0	0	0	0
	Investment Property	0	0	0	0	0	2. Current Operating Profit/ Loss	286	108	140	159	159
3.	Other Long Term Securities	0	0	0	0	0		200	100	1.0	107	107
	Long Term Payments Due	0	0	0	0	0	B. Long Term Liabilities	74	756	1,027	1,479	1,586
	rade Reputation	0	0	0	0	0	I. Long Term Debts	74	54	220	836	1,009
	Positive Reputation	0	0	0	0	0	Debts to Linked Enterprises	0	0	0	0	0
	Negative Reputation	0	0	0	0	0	Debts to Finansial Institutions	0	0	0	0	0
	expenses on Future Periods	0	0	0	40	0	Debts on Commercial Loans Toyog Postpoped	0	0	0	620	214
	t Term Assets ort Term Material Assets	2,678 718	2,665 869	2,442 875	2,333 933	2,265 1,031	Taxes Postponed Other Long Term Liabilities	0 74	0	16	21	404
	Materials	715	865	872	929	1,031	II. Incomes for Future Periods and	/4	54	204	195	391
	Production	0	0	0	0	0 0	Finansing	0	702	807	643	577
3.		0	0	0	0	0	C. Short Term Liabilities	880	1,012	1,164	1,011	1,199
4.							I. Short Term Debts	880	1,012	1,164	929	1,118
	Animals for Meat	0	0	0	0	0	Debts to Linked Enterprises	0	0	0	0	0
5.	Non-Finished Production	3	4	3	4	1	Debts to Finansial Institutions	0	0	0	0	0
6.	Other Short Term Material Assets	0	0	0	0	0	Debts to Suppliers and Clients	107	65	331	273	205
II. SI	nort Term Payment Due	817	666	616	496	524	 Debts on Commercial Loans 	0	0	100	0	115
1.	Payments Due from Linked Enterprises	4	16	6	6	4	Debts to Personnel	180	267	123	99	176
		,	10	O	Ü	7	Debts to Insurance	48	110	75	68	96
2.	Payments Due from Clients and	745	541	413	372	435	7. Tax Debts	478	497	441	372	404
_	Suppliers						8. Other Short Term Debts	46	73	94	117	122
3.	Payments Due on Commercial Loans Granted incl. Advances	22	0	0	0	0	9. Provisions	21	0	0	0	0
4							II. Incomes for Future Periods and Finansing	0	0	0	82	81
4.	Juridical and Sentenced Payments Due	1	28	100	32	47	D. Finansing	796	0	0	0	0
5	Taxes on Recuperation	30	73	91	81	0	For Long Term Assets	796	0	0	0	0
6.		15	8	6	5	38	For Current Activities	0	0	0	0	0
	hort Term Finansial Assets	0	0	0	0	0			0	Ü		•
	Finansial Assets from Linked											
	Enterprises	0	0	0	0	0						
2.	Bought Back Own Debt Securities	0	0	0	0	0						
3.	Short Term Securities	0	0	0	0	0						
4.	Precious Metals and Jewellry	0	0	0	0	0						
5.	Other Short Term Finansial Assets	0	0	0	0	0						
IV. N	Monetary Sources	1,112	1,072	880	755	710						
1.	Monetary Sources in Cash	42	1,072	29	95	56						
2.	Monetary Sources on Bank Deposits	1,070	0	851	660	654						
_	B. 1.114											
	Blocked Monetary Reserves	0	0	0	0	0						
	Money Equivalents	0	0	0	0	0						
	expenses on Future Periods	31	58	71	149	0	Total	21.270	16.571	17.072	17 202	17.262
Total	Ministry of Finance	21,378	16,571	17,063	17,392	17,363	Total	21,378	16,571	17,063	17,392	17,363

Table 102 Balance Sheet of Bourgas WS&S Co. Ltd. - Bourgas, South East Region (100 % State Owned Entetrprise)

((Unit: 1,0	000 Levs)		
	Assets	2001	2002	2003	2004	2005	Liabilities	2001	2002	2003	2004	2005
	Subscribed Capital	0	0	0	0	0	A. Own Capital	68,539	46,710	46,555	46,871	46,994
	g Term Assets	70,611	46,195	46,205	45,814	43,325	I. Basic Capital	26,195	2,228	2,228	2,228	2,228
	nmg Term Material Assets	68,131	45,835	45,128	44,913	42,268	Subscribed Capital	24,577	2,228	2,228	2,228	2,228
1.	Buildings, Lands, Forests and Other Permanent Plantations	8,903	8,074	n.a.	n.a.	7,829	Additional Capital	1,618	0	0 40,463	0	0
2	Machinery, Works and Equipment	52.761	26 077			33,554	II. Reserves 1. Emission Premia	39,410	41,539 0	40,463	42,176 0	42,611 0
2. 3.	Other Long Term Material Assets	53,761 3,790	36,077 116	n.a. 72	n.a. 25	33,334	Reserve for Post-Estimate of	U	U	U	U	U
	Expenses on Acquisition and	3,770	110	12	23	21	Assets and Liabilities (Pre-	12,912	12,896	10,774	11,223	10,886
	Liquidation of Long Term Material	1,677	1,568	1,290	2,368	864	Estimate Reserve)	12,712	12,070	10,771	11,225	10,000
	Assets	-,	-,	-,	_,		Target Reserve	26,498	28,643	29,689	30,953	31,725
II. Lo	ong Term Non Material Assets	2,480	360	1,077	901	734	a. General Reserve					
1.	Expenses on Foundation and		20	41	2.4	26	(Additional Reserve)	26,323	366	1,219	789	930
	Enlargement	0	28	41	34	26	 b. Specialized Reserve 	175	0	0	0	0
2.	Research Activities Products	0	0	0	0	0	(Reserve by Law)	1/3	U	Ü	Ü	U
3.	Software incl. Patent, License, etc.	605	303	80	56	59	c. Other Reserve	0	28,277	28,470	30,164	30,795
4.	Other Long Term Non-Material Assets	1,875	29	956	811	649	III. Fianansial Result	2,934	2,943	3,864	2,467	2,155
		1,075		750		017	 Profit/Loss Accumulated 	1,023	1,026	1,053	1,065	985
	ong Term Financial Assets	0	0	0	0	323	 Non-Divided Profit 	1,023	1,026	1,053	1,065	985
1.		0	0	0	0	0	b. Uncovered Loss	0	0	0	0	0
2.	1 ,	0	0	0	0	0	Current Operating Profit/	Loss 1,911	1,917	2,811	1,402	1,170
3.	Other Long Term Securities	0	0	0	0	0						
	Long Term Payments Due	0	0	0	0	323	B. Long Term Liabilities	3,743	1,199	1,548	3,090	3,311
	rade Reputation	0	0	0	0	0	I. Long Term Debts	3,743	1,199	757	2,329	2,849
1.	*	0	0	0	0	0	Debts to Linked Enterprises	0	0	0	0	0
	Negative Reputation	0	0	0	0	0	Debts to Finansial Institution Debts or Generalist Institution	-,	0	0	0	0
	xpenses on Future Periods t Term Assets	0	0	0	0	0	Debts on Commercial Loans Toward Postmand	0	1,199	757	0	323
	ort Term Material Assets	7,480	5,837 116	7,990	9,030	10,097	Taxes Postponed Other Long Term Liabilities	0	0	0	0	0
		1,102		1,558	2,165	2,715	 Other Long Term Liabilities II. Incomes for Future Periods an 	634	0	U	2,329	2,526
1. 2.	Production	1,102 0	116 0	1,557 0	2,164 0	2,715 0	Finansing	0	0	791	761	462
3.	Goods	0	0	1	1	0	C. Short Term Liabilities	4,158	4,123	6,092	4,883	3,117
4.		Ü	U	1			I. Short Term Debts	4,158	4,123	5,972	4,883	3,117
	Animals for Meat	0	0	0	0	0	Debts to Linked Enterprises	4,136	0	0,772	0	0
5.	Non-Finished Production	0	0	0	0	0	Debts to Finansial Institution		0	0	442	0
6.		0	0	0	0	0	Debts to Suppliers and Clien	-	1,560	729	1,613	1,246
	ort Term Payment Due	5,467	4,308	4,634	4,203	3,204	Debts on Commercial Loans	2,179	755	443	189	0
	Payments Due from Linked Enterprises						Debts to Personnel	48	59	305	324	447
	1	0	0	0	0	0	Debts to Insurance	30	27	241	242	266
2.	Payments Due from Clients and	4.021	2.407	4.250	2.107	2.010	7. Tax Debts		1,366	3,749	1,533	324
	Suppliers	4,031	3,487	4,359	3,107	2,918	Other Short Term Debts	1,901	356	505	540	834
3.	Payments Due on Commercial Loans	600	0	0	0	0	9. Provisions	0	0	0	0	0
	Granted incl. Advances	600	U	U	U	U	II. Incomes for Future Periods an	d 0	0	120	0	0
4.	Juridical and Sentenced Payments Due	64	95	66	437	0	Finansing	0	U	120	U	U
		04	/3	00	437	· ·	D. Finansing	1,651	0	0	0	0
5.	Taxes on Recuperation	54	233	0	45	243	 For Long Term Assets 	1,651	0	0	0	0
6.	Other Short Term Payments Due	718	493	209	614	43	For Current Activities	0	0	0	0	0
	hort Term Finansial Assets	0	0	0	0	0						
1.	Finansial Assets from Linked	0	0	0	0	0						
	Enterprises											
2.	Bought Back Own Debt Securities	0	0	0	0	0						
3.		0	0	0	0	0						
4.	Precious Metals and Jewellry	0	0	0	0	0						
	Other Short Term Finansial Assets	0	0	0	0	0						
	Monetary Sources	792	1,373	1,787	2,577	4,178						
1.	•	0	1,371	1,785	2,575	4,176						
2.	Monetary Sources on Bank Deposits	790	0	0	0	0						
3.	Blocked Monetary Reserves	2	2	2	2	,						
3. 4.	Money Equivalents	2	2	0	2	2						
	xpenses on Future Periods	119	40	11	85	0						
Total	Appended on 1 uture 1 crious	78,091	52,032	54,195	54,844	53,422	Total	78,091	52,032	54,195	54,844	53,422
_	Ministry of Finance	70,071	32,032	JT,173	54,044	JJ,744	J ****	70,071	32,032	JT,173	27,074	33,744

Table 103 Balance Sheet of Dobrich WS&S Co. Ltd. - Dobrich, North East Region (100 % State Owned Entetrprise)

(Unit: 1,000 Lev									00 Levs)			
	Assets	2001	2002	2003	2004	2005	Liabilities	2001	2002	2003	2004	2005
A. Non	Subscribed Capital	0	0	0	0	0	A. Own Capital	16,737	7,819	5,263	5,321	4,337
B. Long	Term Assets	23,469	16,524	17,900	17,416	16,191	I. Basic Capital	7,571	715	715	715	715
I. Loi	nmg Term Material Assets	23,453	16,509	16,691	15,897	14,936	 Subscribed Capital 	7,566	715	715	715	715
1.	Buildings, Lands, Forests and Other	1,598	1,312	n.a.	n.a.	1,116	Additional Capital	5	0	0	0	0
	Permanent Plantations	1,570	1,512	11.4.	11.4.	1,110	II. Reserves	11,245	9,169	9,168	9,158	9,157
2.		20,649	14,367	n.a.	n.a.	11,252	Emission Premia	0	0	0	0	0
3.	Other Long Term Material Assets	745	103	34	29	24	2. Reserve for Post-Estimate of					
4.	Expenses on Acquisition and						Assets and Liabilities (Pre- Estimate Reserve)	0	0	0	0	0
	Liquidation of Long Term Material	461	727	1,989	2,359	2,544	·					
	Assets						Target Reserve	11,245	9,169	9,168	9,158	9,157
	ong Term Non Material Assets	16	15	24	20	38	a. General Reserve	0	0	0	0	0
1.	Expenses on Foundation and	0	0	0	0	0	(Additional Reserve)					
	Enlargement						b. Specialized Reserve	0	0	0	0	0
2.	Research Activities Products	0	0	0	0	0	(Reserve by Law)					
3.	Software incl. Patent, License, etc.	16	15	24	20	38	c. Other Reserve	11,245	9,169	9,168	9,158	9,157
4.	Other Long Term Non-Material Assets	0	0	0	0	0	III. Fianansial Result	-2,079	-2,065	-4,620	-4,552	-5,535
							Profit/Loss Accumulated	6	0	-1,233	-4,382	-4,953
	ong Term Financial Assets	0	0	1,182	1,499	1,217	a. Non-Divided Profit	6	0	0	0	0
1.		0	0	0	0	0	b. Uncovered Loss	0	0	-1,233	-4,382	-4,953
2.	1 ,	0	0	0	0	0	Current Operating Profit/ Loss	-2,085	-2,065	-3,387	-170	-582
3.	Other Long Term Securities	0	0	0	0	0	D. I T I inhiliding	5.040	5 725	7.702	2.522	2.577
	Long Term Payments Due	0	0	1,182	1,499	1,217	B. Long Term Liabilities I. Long Term Debts	5,048	5,735	7,702	3,532	3,577
	rade Reputation	0	0	0	0	0		5,048	4,917	6,981	3,532	3,577
	Positive Reputation	0	0	0	0	0	Debts to Linked Enterprises Debts to Finansial Institutions	0	0	0	0	0
	Negative Reputation	0	0	0	0	0	Debts to Finalistal Histitutions Debts on Commercial Loans	5,048	4,917	4,449	3,508	3,577
	xpenses on Future Periods t Term Assets	2.100	2 200	3,463	0	0 10,085	Taxes Postponed	0	0	2,532 0	24 0	0
	ort Term Material Assets	3,198 1,070	3,289 1,231	3,463 907	6,060 936	911	Other Long Term Liabilities	0	0	0	0	0
	Materials			907		911	II. Incomes for Future Periods and	U	U	U	U	U
2.		1,070 0	1,231 0	907	936 0	911	Finansing	0	818	721	0	0
3.	Goods	0	0	0	0	0	C. Short Term Liabilities	3,956	6,259	8,398	14,623	18,362
	Young and Small Animals and	U	U	U	U	U	I. Short Term Debts	3,956	6,259	8,296	13,248	16,386
٦.	Animals for Meat	0	0	0	0	0	Debts to Linked Enterprises	0,950	0,239	0,290	0	0,380
5.	Non-Finished Production	0	0	0	0	0	Debts to Finansial Institutions	30	0	448	0	473
6.	Other Short Term Material Assets	0	0	0	0	0	Debts to Suppliers and Clients	2,525	4,333	4,085	9,085	10,289
	ort Term Payment Due	1,869	1,754	2,308	4,760	8,474	Debts on Commercial Loans	1	0	755	0	15
	Payments Due from Linked Enterprises						5. Debts to Personnel	328	305	313	310	300
		0	0	0	0	0	Debts to Insurance	61	62	152	140	134
2.	Payments Due from Clients and						7. Tax Debts	745	36	1,971	2,861	3,632
	Suppliers	1,395	1,290	1,538	3,324	6,090	8. Other Short Term Debts	266	1,523	572	852	1,543
3.	Payments Due on Commercial Loans					_	9. Provisions	0	0	0	0	0
	Granted incl. Advances	28	0	0	0	0	II. Incomes for Future Periods and					
4.	Juridical and Sentenced Payments Due		200			2446	Finansing	0	0	102	1,375	1,976
	•	354	370	640	1,192	2,116	D. Finansing	926	0	0	0	0
5.	Taxes on Recuperation	7	14	7	8	0	For Long Term Assets	926	0	0	0	0
6.	Other Short Term Payments Due	85	80	123	236	268	For Current Activities	0	0	0	0	0
III. S	hort Term Finansial Assets	0	0	0	0	0						
1.	Finansial Assets from Linked	0										
	Enterprises	U	0	0	0	0						
2.	Bought Back Own Debt Securities	0	0	0	0	0						
3.	Short Term Securities	0	0	0	0	0						
4.	Precious Metals and Jewellry	0	0	0	0	0						
5.	Other Short Term Finansial Assets	0	0	0	0	0						
IV. N	Ionetary Sources	240	296	239	360	679						
1.	Monetary Sources in Cash	4	6	2	20	27						
2.	Monetary Sources on Bank Deposits	236	290	237	340	652						
		230	290	231	340	032						
3.	Blocked Monetary Reserves	0	0	0	0	0						
4.		0	0	0	0	0						
	xpenses on Future Periods	19	8	9	4	21						
Total		26,667	19,813	21,363	23,476	26,276	Total	26,667	19,813	21,363	23,476	26,276

Table 104 Balance Sheet of Haskovo WS&S Co. Ltd. - Haskovo, South Central Region (100 % State Owned Entetrprise)

	(Unit: 1,000 Levs)									00 Levs)		
	Assets	2001	2002	2003	2004	2005	Liabilities	2001	2002	2003	2004	2005
A. Non	Subscribed Capital	0	0	0	0	0	A. Own Capital	14,627	9,129	9,276	9,369	9,406
B. Long	Term Assets	12,841	8,305	8,361	8,424	9,423	I. Basic Capital	5,816	339	339	339	339
I. Lo	nmg Term Material Assets	12,828	8,301	8,348	8,401	9,361	 Subscribed Capital 	5,816	339	339	339	339
1.	Buildings, Lands, Forests and Other	1,350	955	n.a.	n.a.	1,393	Additional Capital	0	0	0	0	0
	Permanent Plantations	1,330	733	II.a.	п.а.	1,393	II. Reserves	8,708	8,786	9,081	8,864	8,864
2.	Machinery, Works and Equipment	11,186	7,248	n.a.	n.a.	6,987	 Emission Premia 	0	0	0	0	0
3.	Other Long Term Material Assets	223	29	62	69	80	Reserve for Post-Estimate of					
4.	Expenses on Acquisition and						Assets and Liabilities (Pre- Estimate Reserve)	2,396	2,396	2,689	0	2,686
	Liquidation of Long Term Material	69	69	66	63	901	Estillate Reserve)					
	Assets						Target Reserve	6,312	6,390	6,392	8,864	6,178
	ong Term Non Material Assets	13	4	13	13	37	a. General Reserve	0	0	0	0	6,178
1.	Expenses on Foundation and	0	0	0	0	0	(Additional Reserve)		Ü	Ü	Ü	0,170
	Enlargement						b. Specialized Reserve	0	0	0	0	0
2.	Research Activities Products	0	0	0	0	0	(Reserve by Law)		Ü	Ü	Ü	
3.	Software incl. Patent, License, etc.	13	4	13	13	37	c. Other Reserve	6,312	6,390	6,392	8,864	0
4.	Other Long Term Non-Material Assets	0	0	0	0	0	III. Fianansial Result	103	4	-144	166	203
							Profit/Loss Accumulated	71	0	-154	68	182
	ong Term Financial Assets	0	0	0	0	25	a. Non-Divided Profit	71	0	56	68	182
1.		0	0	0	0	0	b. Uncovered Loss	0	0	-210	0	0
2.	1 ,	0	0	0	0	0	Current Operating Profit/ Loss	32	4	10	98	21
3.	*	0	0	0	0	0						
	Long Term Payments Due	0	0	0	0	25	B. Long Term Liabilities	0	0	0	240	1,005
	rade Reputation	0	0	0	0	0	I. Long Term Debts	0	0	0	0	0
	Positive Reputation	0	0	0	0	0	Debts to Linked Enterprises	0	0	0	0	0
	Negative Reputation	0	0	0	0	0	Debts to Finansial Institutions	0	0	0	0	0
	xpenses on Future Periods	0	0	0	10	0	Debts on Commercial Loans	0	0	0	0	0
	t Term Assets	6,690	7,468	7,691	7,518	6,676	4. Taxes Postponed	0	0	0	0	0
	ort Term Material Assets	348	462	371	399	459	5. Other Long Term Liabilities	0	0	0	0	0
	Materials	348	462	371	399	459	II. Incomes for Future Periods and	0	0	0	240	1,005
2.		0	0	0	0	0	Finansing					
3.	Goods	0	0	0	0	0	C. Short Term Liabilities	4,904	6,644	6,776	6,333	5,688
4.	Young and Small Animals and	0	0	0	0	0	I. Short Term Debts	4,903	6,643	6,776	6,333	5,688
_	Animals for Meat						Debts to Linked Enterprises	0	0	0	0	0
	Non-Finished Production	0	0	0	0	0	Debts to Finansial Institutions	101	820	150	0	0
6.		0	0	0	0	0	Debts to Suppliers and Clients	3,995	4,035	5,467	5,795	5,213
	ort Term Payment Due	5,916	6,966	6,814	6,567	5,967	Debts on Commercial Loans Debts to Department	0	0	0	0	0
1.	Payments Due from Linked Enterprises	0	0	484	498	255	5. Debts to Personnel	300	342	311	236	118
2	D (C () ()						6. Debts to Insurance	115	163	141	127	92
2.	Payments Due from Clients and	5,137	6,313	4,929	4,882	4,818	7. Tax Debts 8. Other Short Term Debts	348	235	638	12	58
2	Suppliers						**	44	42	69	163	207
3.	Payments Due on Commercial Loans Granted incl. Advances	0	0	0	0	0	· ·	0	1,006	0	0	0
							II. Incomes for Future Periods and Finansing	1	1	0	0	0
4.	Juridical and Sentenced Payments Due	712	627	1,276	1,075	872	*			0		
-	Toyog on Dogumeration	57	17	CO	20	0	D. Finansing 1. For Long Term Assets	0	0	0	0	0
	Taxes on Recuperation	57	17	68	38		2 For Current Activities				0	0
6.	Other Short Term Payments Due	10	9	57	74	22	2. For Current Activities	0	0	0	0	0
	hort Term Finansial Assets	0	0	0	0	0						
1.	Finansial Assets from Linked Enterprises	0	0	0	0	0						
2	*	0	0	0	0							
	Bought Back Own Debt Securities	0	0	0	0	0						
3.						0						
4.	Precious Metals and Jewellry Other Short Torm Financial Accets	0	0	0	0	0						
5.		146	0	0	0	240						
	Monetary Sources in Coch	146	34	506	552	240						
	Monetary Sources in Cash Monetary Sources on Bonk Deposits	43	11	1	0	240						
2.	Monetary Sources on Bank Deposits	103	23	505	552	0						
3.	Blocked Monetary Reserves	0	0	0	0	0						
3. 4.	•	0	0	0	0	0						
	xpenses on Future Periods	280		0	0	10						
Total	Apendes on 1 uture 1 crious	19,531	15,773	16,052	15,942	16,099	Total	19,531	15,773	16,052	15,942	16,099
1 Otal		17,331	12,773	10,032	10,742	10,077	1	17,331	10,110	10,032	10,744	10,077

Table 105 Balance Sheet of Pazardzhik WS&S Co. Ltd. - Pazardzhik, South Central Region (100 % State Owned Entetrprise)

(Unit: 1,000 Levs) 2003 2004 2001 2002 2003 2004 2001 2002 Assets A. Non Subscribed Capital 68 4,679 3,577 3,494 3,685 A. Own Capital I. Basic Capital B. Long Term Assets 6,559 6,098 5,654 5,414 1,718 68 6,272 68 68 68 1. Subscribed Capital I. Lonmg Term Material Assets 6,246 6,549 6,096 5,654 5,414 1,718 68 68 68 68 Buildings, Lands, Forests and Other Additional Capital 0 0 0 0 729 389 n a n a n.a. Permanent Plantations II. Reserves 2,823 3.357 3,433 3,425 Machinery, Works and Equipment 5,717 Emission Premia 0 0 5,596 0 0 0 n.a. n.a. n.a. Other Long Term Material Assets Reserve for Post-Estimate of 218 57 51 39 n.a. Assets and Liabilities (Pre-Expenses on Acquisition and 759 1,269 0 0 Liquidation of Long Term Material 87 90 n.a. Assets Target Reserve 2.064 2.088 3.433 3.425 II. Long Term Non Material Assets 10 26 0 0 0 0 Expenses on Foundation and (Additional Reserve) 0 0 0 8 1 Enlargement Specialized Reserve 0 0 0 0 (Reserve by Law) Research Activities Products 0 Software incl. Patent, License, etc. c. Other Reserve 3,425 3.433 Other Long Term Non-Material Assets III. Fianansial Result 138 152 192 0 0 0 0 0 1. Profit/Loss Accumulated III. Long Term Financial Assets 0 a. Non-Divided Profit 0 1. Shares and Stocks Uncovered Loss 0 Investment Property 2. Current Operating Profit/ Loss -7 152 192 138 Other Long Term Securities 4. Long Term Payments Due B. Long Term Liabilities 0 0 IV. Trade Reputation I. Long Term Debts 1. Positive Reputation 0 1. Debts to Linked Enterprises 2. Negative Reputation Debts to Finansial Institutions V. Expenses on Future Periods 0 0 0 0 3. Debts on Commercial Loans 0 0 0 0 0 C. Short Term Assets 1,647 4. Taxes Postponed 695 990 I. Short Term Material Assets 113 97 117 143 209 5. Other Long Term Liabilities 0 0 0 1. Materials 112 141 II. Incomes for Future Periods and 115 n.a. 0 0 0 0 0 Production 0 Finansing 0 0 n.a. Goods 2 Short Term Liabilities 332 3,683 3 594 3,616 535 4. Young and Small Animals and I Short Term Debts 332 312 382 562 535 0 0 0 n.a. Animals for Meat 1 Debts to Linked Enterprises n.a 5. Non-Finished Production 0 0 0 0 n.a. 2 Debts to Finansial Institutions 0 0 0 0 n.a 6. Other Short Term Material Assets 0 3 Debts to Suppliers and Clients 23 28 0 0 30 41 II. Short Term Payment Due 415 506 651 810 831 4 Debts on Commercial Loans 0 Λ 0 0 1. Payments Due from Linked Enterprises 5 Debts to Personnel 58 109 82 86 n.a 0 0 0 0 n.a. 6. Debts to Insurance 36 46 37 41 n.a 2. Payments Due from Clients and Tax Debts 186 127 222 407 413 487 762 634 n.a. Suppliers Other Short Term Debts 29 0 0 0 n.a Payments Due on Commercial Loans 9 Provisions 0 0 0 0 0 0 0 0 n.a. Granted incl. Advances II. Incomes for Future Periods and 3,371 3,212 3,054 4. Juridical and Sentenced Payments Due Finansing 13 14 15 n.a. Finansing 1 951 0 0 0 5. Taxes on Recuperation Λ 29 For Long Term Assets 1,951 Λ 0 0 6. Other Short Term Payments Due 0 0 4 2 For Current Activities 0 0 0 0 0 III. Short Term Finansial Assets 0 0 0 1. Finansial Assets from Linked Enterprises 2. Bought Back Own Debt Securities 0 0 0 0 Short Term Securities 0 0 0 0 4. Precious Metals and Jewellry 0 0 0 0 0 5. Other Short Term Finansial Assets Λ 0 Λ 0 IV. Monetary Sources 164 89 222 694 825 1. Monetary Sources in Cash 8 8 1 n.a 2. Monetary Sources on Bank Deposits 156 221 n.a 3 Blocked Monetary Reserves ٥ ٥ 0 0 n.a 4. Money Equivalents 0 0 0 693 n.a V. Expenses on Future Periods 10 0 0 Total 6.967 7.261 7.088 7.301 7.279 Total 6.967 7.261 7.088 7.301 603

(Note) Lack of data in parts of detail.

Table 106 Balance Sheet of Pleven WS&S Co. Ltd. - Pleven, North Central Region (100 % State Owned Entetrprise)

(100 % State Owned Enterprise) (Unit: 1,000 Levs)											
Assets	2001	2002	2003	2004	2005	Liabilities	2001	2002	2003	2004	2005
A. Non Subscribed Capital	0	0	0	0	0	A. Own Capital	25,897	18,550	19,970	19,647	20,386
B. Long Term Assets	27,840	21,295	20,809	20,320	20,531	I. Basic Capital	9,438	1,932	1,932	1,932	1,932
I. Lonmg Term Material Assets	27,805	21,126	20,637	20,145	20,404	 Subscribed Capital 	9,438	1,932	1,932	1,932	1,932
 Buildings, Lands, Forests and Other 	3,988	3,606	n.a.	n.a.	3,642	Additional Capital	0	0	0	0	0
Permanent Plantations	3,700	3,000	п.а.	n.a.		II. Reserves	15,515	16,378	16,700	17,446	17,618
Machinery, Works and Equipment	21,545	16,172	n.a.	n.a.	16,698	Emission Premia	0	0	0	0	0
Other Long Term Material Assets	448	42	15	17	12	 Reserve for Post-Estimate of Assets and Liabilities (Pre- 					
Expenses on Acquisition and Liquidation of Lang Torry Material	1.004	1.206	1.240	1.000		Estimate Reserve)	3,715	3,709	3,908	3,877	3,836
Liquidation of Long Term Material Assets	1,824	1,306	1,240	1,238	52		11.000	12 ((0	12.702	12.560	12.702
II. Long Term Non Material Assets	35	24	23	29	27	Target Reserve a. General Reserve	11,800	12,669	12,792	13,569	13,782
Expenses on Foundation and	33	24	23	29	21	(Additional Reserve)	0	0	166	957	1,177
Enlargement	1	9	20	12	8	b. Specialized Reserve					
Research Activities Products	0	0	0	0	0	(Reserve by Law)	0	0	0	0	0
Software incl. Patent, License, etc.	34	15	3	17	19	c. Other Reserve	11,800	12,669	12,626	12,612	12,605
4. Other Long Term Non-Material Assets						III. Fianansial Result	944	240	1,338	269	836
•	0	0	0	0	0	Profit/Loss Accumulated	884	0	0	0	829
III. Long Term Financial Assets	0	0	2	2	2	a. Non-Divided Profit	884	0	0	0	829
 Shares and Stocks 	0	0	0	0	0	 b. Uncovered Loss 	0	0	0	0	0
Investment Property	0	0	0	0	0	Current Operating Profit/ Loss	60	240	1,338	269	7
Other Long Term Securities	0	0	0	0	0		00	240	1,336	209	,
 Long Term Payments Due 	0		2	2	2	B. Long Term Liabilities	2,599	5,584	5,233	4,931	3,921
IV. Trade Reputation	0	0	0	0	0	I. Long Term Debts	2,599	2,988	2,716	2,545	1,690
Positive Reputation	0	0	0	0	0	Debts to Linked Enterprises	0	0	0	0	0
Negative Reputation	0	0	0	0	0	Debts to Finansial Institutions	2,597	2,988	2,716	2,545	1,690
V. Expenses on Future Periods	0	145	147	144	98	Debts on Commercial Loans	0	0	0	0	0
C. Short Term Assets I. Short Term Material Assets	5,243 769	4,995 877	6,629 959	6,182 921	6,167 870	Taxes Postponed Other Long Term Liabilities	0	0	0	0	0
Materials	765	874	939	915	865	II. Incomes for Future Periods and	2	0	U	U	0
2. Production	/65 0	8/4	10	915	3	Finansing	0	2,596	2,517	2,386	2,231
3. Goods	4	3	3	2	2	C. Short Term Liabilities	2,311	2,156	2,235	1,924	2,391
Young and Small Animals and						I. Short Term Debts	2,311	2,117	2,230	1,917	2,382
Animals for Meat	0	0	0	0	0	Debts to Linked Enterprises	0	0	0	0	0
Non-Finished Production	0	0	0	0	0	Debts to Finansial Institutions	0	0	0	0	0
6. Other Short Term Material Assets	0	0	0	0	0	 Debts to Suppliers and Clients 	838	669	604	469	869
II. Short Term Payment Due	3,482	3,234	4,078	3,955	3,851	4. Debts on Commercial Loans	3	0	0	0	0
1. Payments Due from Linked Enterprises	0	0	0	0	0	Debts to Personnel	725	578	643	701	706
	0	0	U	Ü	0	Debts to Insurance	195	144	185	184	185
Payments Due from Clients and	3,089	2,762	3,454	2,985	3,073	7. Tax Debts	375	451	550	251	332
Suppliers	3,009	2,702	3,434	2,763	3,073	Other Short Term Debts	175	275	248	312	290
Payments Due on Commercial Loans	42	0	0	0	0	9. Provisions	0	0	0	0	0
Granted incl. Advances					Ů	II. Incomes for Future Periods and	0	39	5	7	9
 Juridical and Sentenced Payments Due 	232	283	340	561	329	Finansing					
						D. Finansing	2,276	0	0	0	0
5. Taxes on Recuperation	95	166	254	373	370	1. For Long Term Assets	2,275	0	0	0	0
6. Other Short Term Payments Due	24	23	30	36	79	For Current Activities	1	0	0	0	0
III. Short Term Finansial Assets 1. Finansial Assets from Linked	0	0	0	0	0						
Enterprises	0	0	0	0	0						
Bought Back Own Debt Securities	0	0	0	0	0						
Short Term Securities	0	0	0	0	0						
Precious Metals and Jewellry	0	0	0	0	0						
Other Short Term Finansial Assets	0	0	0	0	0						
IV. Monetary Sources	881	884	1,592	1,306	1,446						
Monetary Sources in Cash	43	27	23	49	73						
2. Monetary Sources on Bank Deposits											
	838	857	1,569	1,257	1,373						
Blocked Monetary Reserves	0	0	0	0	0						
4. Money Equivalents	0	0	0	0	0						
V. Expenses on Future Periods	111	0	0	0	0						
Total	33,083	26,290	27,438	26,502	26,698	Total	33,083	26,290	27,438	26,502	26,698

Table 107 Balance Sheet of Plovdiv WS&S Co. Ltd. - Plovdiv, South Central Region (100 % State Owned Enterprise)

			(100	% State	e Owne	a Entetrprise)				(Unit: 1,0	00 Levs)
Assets	2001	2002	2003	2004	2005	Liabilities	2001	2002	2003	2004	2005
A. Non Subscribed Capital	0	0	0	0	0	A. Own Capital	47,130	30,127	28,611	29,692	29,908
B. Long Term Assets	40,060	25,765	24,784	23,027	21,818	I. Basic Capital	17,111	813	813	813	813
I. Lonmg Term Material Assets	39,863	25,641	24,720	23,012	21,629	 Subscribed Capital 	17,111	813	813	813	813
 Buildings, Lands, Forests and Other 	3,772	3,072	n.a.	n.a.	3,003	Additional Capital	0	0	0	0	0
Permanent Plantations	3,772	3,072	п.а.	m.a.		II. Reserves	28,500	28,690	27,316	28,220	28,178
Machinery, Works and Equipment	31,721	21,351	n.a.	n.a.	18,150	Emission Premia	0	0	0	0	0
Other Long Term Material Assets	3,129	277	283	226	181	 Reserve for Post-Estimate of Assets and Liabilities (Pre- 					
Expenses on Acquisition and Limited and Acquisition and			0.4.0	2.00	20.5	Estimate Reserve)	8,092	8,022	6,335	6,508	6,498
Liquidation of Long Term Material Assets	1,241	941	812	260	295	· ·	20.400	20.660	20.001	21.712	21 (00
II. Long Term Non Material Assets	194	121	62	13	4	Target Reserve a. General Reserve	20,408	20,668	20,981	21,712	21,680
Expenses on Foundation and	194	121	02	13	4	(Additional Reserve)	0	0	348	6,354	6,322
Enlargement	1	0	0	0	0	b. Specialized Reserve					
Research Activities Products	0	0	0	0	0	(Reserve by Law)	0	0	0	0	0
Software incl. Patent, License, etc.	168	107	51	6	1	c. Other Reserve	20,408	20,668	20,633	15,358	15,358
4. Other Long Term Non-Material Assets						III. Fianansial Result	1,519	624	482	659	917
•	25	14	11	7	3	Profit/Loss Accumulated	7	77	117	149	275
III. Long Term Financial Assets	3	3	2	2	3	 a. Non-Divided Profit 	7	77	117	149	275
 Shares and Stocks 	3	3	2	2	3	 b. Uncovered Loss 	0	0	0	0	0
Investment Property	0	0	0	0	0	Current Operating Profit/ Loss	1,512	547	365	510	642
Other Long Term Securities	0	0	0	0	0		1,312	347	303	310	042
 Long Term Payments Due 	0	0	0	0	0	B. Long Term Liabilities	193	2,746	3,954	2,803	1,644
IV. Trade Reputation	0	0	0	0	0	I. Long Term Debts	193	1,145	2,327	1,255	1,031
Positive Reputation	0	0	0	0	0	Debts to Linked Enterprises	0	0	0	0	0
Negative Reputation	0	0	0	0	0	Debts to Finansial Institutions	186	0	0	0	0
V. Expenses on Future Periods	0	0	0	0	182	Debts on Commercial Loans	0	0	0	0	0
C. Short Term Assets I. Short Term Material Assets	12,100	9,946	11,401	13,213	14,251	Taxes Postponed Other Long Term Liabilities	0	0	1,808	1,023	1,015
Short Term Material Assets Materials	1,401	1,637 1,637	2,288 2,066	2,199 2,069	2,345	II. Incomes for Future Periods and	7	1,145	519	232	16
2. Production	1,332 0	1,037	2,000	2,069 7	2,244	Finansing	0	1,601	1,627	1,548	613
3. Goods	69	0	216	123	95	C. Short Term Liabilities	3,202	2,838	3,620	3,745	4,517
Young and Small Animals and						I. Short Term Debts	3,202	2,838	3,620	3,745	4,517
Animals for Meat	0	0	0	0	0	Debts to Linked Enterprises	0	2,050	0	0	0
Non-Finished Production	0	0	0	0	0	Debts to Finansial Institutions	0	0	0	0	0
6. Other Short Term Material Assets	0	0	0	0	0	 Debts to Suppliers and Clients 	717	685	805	316	912
II. Short Term Payment Due	8,843	7,820	8,356	10,040	10,815	4. Debts on Commercial Loans	0	0	0	0	0
1. Payments Due from Linked Enterprises	0	0	0	0	0	Debts to Personnel	1,045	601	948	879	939
	U	U	U	Ü	0	Debts to Insurance	220	149	356	368	421
Payments Due from Clients and	7,606	6,895	7,518	9,309	9,487	7. Tax Debts	1,004	908	1,304	1,946	2,001
Suppliers	7,000	0,893	7,516	9,309	9,407	Other Short Term Debts	216	495	207	236	244
Payments Due on Commercial Loans	14	0	0	0	0	9. Provisions	0	0	0	0	0
Granted incl. Advances		Ü			Ů	II. Incomes for Future Periods and	0	0	0	0	0
 Juridical and Sentenced Payments Due 	477	519	137	146	1,310	Finansing					
						D. Finansing	1,635	0	0	0	0
5. Taxes on Recuperation	668	319	605	502	0	For Long Term Assets For Current Activities	1,635	0	0	0	0
6. Other Short Term Payments Due	78	87	96	83	18	2. For Current Activities	0	0	0	0	0
III. Short Term Finansial Assets 1. Finansial Assets from Linked	0	0	0	0	0						
Enterprises	0	0	0	0	0						
Bought Back Own Debt Securities	0	0	0	0	0						
Short Term Securities	0	0	0	0	0						
Precious Metals and Jewellry	0	0	0	0	0						
Other Short Term Finansial Assets	0	0	0	0	0						
IV. Monetary Sources	1,818	251	612	884	1,091						
Monetary Sources in Cash	8	16	16	18	23						
Monetary Sources on Bank Deposits											
*	1,810	235	596	866	1,068						
3. Blocked Monetary Reserves	0	0	0	0	0						
4. Money Equivalents	0	0	0	0	0						
V. Expenses on Future Periods	38	238	145	90	0						
Total	52,160	35,711	36,185	36,240	36,069	Total	52,160	35,711	36,185	36,240	36,069

Total 52,160 35,711 36,185 36,240 36,069 Total

Source: Ministry of Finance and Ministry of Public Works and Regionmal Development.

Table 108 Balance Sheet of Dunav Razgrad WS&S Co. Ltd. - Razgrad, South Central Region (100 % State Owned Entetrprise)

				(100	/o Otate	OWITE	u Entetrprise)				(Unit: 1,0	00 Leve)
-	Assets	2001	2002	2003	2004	2005	Liabilities	2001	2002	2003	2004	2005
A Non	Subscribed Capital	0	0	0	0	0	A. Own Capital	14,327	10,966	11,370	11,560	11,631
	g Term Assets	13,107	10,709	10,574	10,438	10,490	I. Basic Capital	5,361	1,105	1,105	1,105	1,105
	nmg Term Material Assets	13,070	10,678	10,539	10,412	10,467	Subscribed Capital	5,361	1,105	1,105	1,105	1,105
	Buildings, Lands, Forests and Other						Additional Capital	0	0	0	0	0
	Permanent Plantations	1,758	3,215	n.a.	n.a.	3,095	II. Reserves	8,964	9,841	10,095	10,323	10,328
2.	Machinery, Works and Equipment	10,815	7,193	n.a.	n.a.	7,017	Emission Premia	0	0	0	0	0
3.	Other Long Term Material Assets	324	29	24	29	80	Reserve for Post-Estimate of					
4.	Expenses on Acquisition and						Assets and Liabilities (Pre-	2,707	3,589	3,926	4,137	4,123
	Liquidation of Long Term Material	173	241	330	243	275	Estimate Reserve)					
	Assets						 Target Reserve 	6,257	6,252	6,169	6,186	6,205
II. Lo	ong Term Non Material Assets	37	22	27	23	18	a. General Reserve	6.057	6.252	6.160	6.106	6.205
1.	Expenses on Foundation and	1	0	0	0	0	(Additional Reserve)	6,257	6,252	6,169	6,186	6,205
	Enlargement	1	U	U	U	U U	 b. Specialized Reserve 	0	0	0	0	0
2.	Research Activities Products	0	0	0	0	0	(Reserve by Law)	U	U	U	U	U
3.	Software incl. Patent, License, etc.	36	14	19	15	12	c. Other Reserve	0	0	0	0	0
4.	Other Long Term Non-Material Assets	0	8	8	8	6	III. Fianansial Result	2	20	170	132	198
		U	0	0	0	٥	Profit/Loss Accumulated	105	-22	136	92	140
III. I	ong Term Financial Assets	0	9	8	3	5	 a. Non-Divided Profit 	105	81	136	92	140
	Shares and Stocks	0	0	0	0	0	 b. Uncovered Loss 	0	-103	0	0	0
2.	Investment Property	0	0	0	0	0	Current Operating Profit/ Loss	-103	42	34	40	58
3.	· ·	0	0	0	0	0		103	72		40	50
	Long Term Payments Due	0	9	8	3	5	B. Long Term Liabilities	0	1,102	701	530	523
	rade Reputation	0	0	0	0	0	I. Long Term Debts	0	1,102	701	530	523
	Positive Reputation	0	0	0	0	0	Debts to Linked Enterprises	0	0	0	0	0
	Negative Reputation	0	0	0	0	0	Debts to Finansial Institutions	0	0	0	0	0
	xpenses on Future Periods	0	0	0	0	0	Debts on Commercial Loans	0	0	0	0	0
	t Term Assets	1,630	1,711	2,024	2,167	2,224	4. Taxes Postponed	0	1,102	701	530	523
	ort Term Material Assets	289	450	487	515	512	Other Long Term Liabilities	0	0	0	0	0
	Materials	288	449	485	514	512	II. Incomes for Future Periods and	0	0	0	0	0
2.		0	0	0	0	0	Finansing					
3.	Goods	1	1	2	1	0	C. Short Term Liabilities	410	352	527	515	560
4.	Young and Small Animals and	0	0	0	0	0	I. Short Term Debts	410	352	527	515	560
_	Animals for Meat					_	Debts to Linked Enterprises	0	0	0	0	0
5.	Non-Finished Production	0	0	0	0	0	Debts to Finansial Institutions Debts to Finansial Institutions	0	0	0	0	0
6.	Other Short Term Material Assets	0	0	0	0	0	Debts to Suppliers and Clients Debts on Communication	108	0	135	109	173
	nort Term Payment Due	536	679	756	695	646	4. Debts on Commercial Loans	0	0	0	0	0
1.	Payments Due from Linked Enterprises	0	0	0	0	0	Debts to Personnel Debts to Insurance	116	134	107	105	102
2	Payments Due from Clients and						Debts to Insurance Tax Debts	62	86	76	90	88
۷.	Payments Due from Clients and Suppliers	443	561	619	538	501	8. Other Short Term Debts	86	84	146	123	94
2	Payments Due on Commercial Loans						9. Provisions	38 0	48 0	63 0	88 0	103 0
Э.	Granted incl. Advances	2	0	0	0	0	II. Incomes for Future Periods and	U	U	U	U	U
4.	Juridical and Sentenced Payments Due						Finansing	0	0	0	0	0
٦.	Jundicar and Schienced Layments Duc	53	86	122	140	124	D. Finansing	0	0	0	0	0
5	Taxes on Recuperation	19	11	0	0	0	For Long Term Assets	0	0	0	0	0
6.	_	19	21	15	17	21	For Current Activities	0	0	0	0	0
	hort Term Finansial Assets	0	0	0	0	0	2. For current rectivities	Ü	Ü	U	Ü	Ü
1.		U	U	U	U							
	Enterprises	0	0	0	0	0						
2.	•	0	0	0	0	0						
	Short Term Securities	0	0	0	0	0						
4.	Precious Metals and Jewellry	0	0	0	0	0						
	Other Short Term Finansial Assets	0	0	0	0	0						
	Monetary Sources	805	582	781	957	1,066						
	Monetary Sources in Cash	40	582	781	957	1,066						
2.												
		765	0	0	0	0						
3.	Blocked Monetary Reserves	0	0	0	0	0						
	Money Equivalents	0	0	0	0	0						
	xpenses on Future Periods	0	0	0	0	0						
Total		14,737	12,420	12,598	12,605	12,714	Total	14,737	12,420	12,598	12,605	12,714

Total 14,737 12,420 12,598 12,605 12,714 Total Source: Ministry of Finance and Ministry of Public Works and Regionmal Development.

Table 109 Balance Sheet of Smolyan WS&S Co. Ltd. - Smolyan, South Central Region (100 % State Owned Entetrprise)

Assets	2001	2002	2003	2004	2005	Liabilities	2001	2002	2003	(Unit: 1,0 2004	200:
A. Non Subscribed Capital	2001	2002	2003	2004	2005	A. Own Capital	9,889	7,589	7,805	7,891	7,931
B. Long Term Assets	10,437	8,191		8,864	9,068	I. Basic Capital	2,530	250	250	250	250
· ·			8,319		9,065	Subscribed Capital		250	250		
Lonmg Term Material Assets Buildings, Lands, Forests and Other	10,436	8,190	8,318	8,860	9,003	Additional Capital	2,530 0	230	0	250 0	250
Permanent Plantations	735	650	n.a.	n.a.	987	II. Reserves		7,287		7,509	7,572
	0.445	7 100			7 022		7,275		7,455		
* * * * * * * * * * * * * * * * * * * *	8,445	7,188	n.a.	n.a.	7,832	Emission Premia Reserve for Post-Estimate of	0	0	0	0	0
3. Other Long Term Material Assets	214	19	16	25	27	Assets and Liabilities (Pre-	1 224	1 220	1.540	1.520	1.524
Expenses on Acquisition and Liquidation of Long Torm Material	1.042	222	1.50	1.62	210	Estimate Reserve)	1,324	1,320	1,540	1,539	1,536
Liquidation of Long Term Material Assets	1,042	333	152	163	219	· ·				. o.	
						3. Target Reserve	5,951	5,967	5,915	5,970	6,036
II. Long Term Non Material Assets	1	1	1	4	3	a. General Reserve	137	153	180	235	301
Expenses on Foundation and Enlargement	0	0	0	0	0	(Additional Reserve)					
Enlargement						b. Specialized Reserve	0	0	0	0	(
Research Activities Products	0	0	0	0	0	(Reserve by Law)					
Software incl. Patent, License, etc.	1	1	1	4	3	c. Other Reserve	5,814	5,814	5,735	5,735	5,735
4. Other Long Term Non-Material Assets	0	0	0	0	0	III. Fianansial Result	84	52	100	132	109
	U	U	Ü	U	· ·	 Profit/Loss Accumulated 	0	4	9	1	3
III. Long Term Financial Assets	0	0	0	0	0	 a. Non-Divided Profit 	0	4	9	1	3
 Shares and Stocks 	0	0	0	0	0	 b. Uncovered Loss 	0	0	0	0	(
2. Investment Property	0	0	0	0	0	2. Current Operating Profit/ Loss	84	40	01	121	104
3. Other Long Term Securities	0	0	0	0	0		84	48	91	131	100
4. Long Term Payments Due	0	0	0	0	0	B. Long Term Liabilities	742	2,458	2,277	2,569	2,285
IV. Trade Reputation	0	0	0	0	0	I. Long Term Debts	742	811	691	935	721
Positive Reputation	0	0	0	0	0	Debts to Linked Enterprises	0	0	0	0	(
Negative Reputation	0	0	0	0	0	Debts to Finansial Institutions	742	811	691	689	633
V. Expenses on Future Periods	0	0	0	0	0	3. Debts on Commercial Loans	0	0	0	0	(
Short Term Assets	2,312	2,161	2,046	1,839	1,453	Taxes Postponed	0	0	0	246	8
I. Short Term Material Assets	420	456	384	432	408	Other Long Term Liabilities	0	0	0	0	(
Materials	420	456	384	432	408	II. Incomes for Future Periods and	Ü	U	Ü	Ü	,
2. Production	0	0	0	0	0	Finansing	0	1,647	1,586	1,634	1,564
3. Goods	0	0	0	0	0	C. Short Term Liabilities	445	305	283	243	204
	U	0	U	U	U	I. Short Term Debts					305
 Young and Small Animals and Animals for Meat 	0	0	0	0	0		445	305	283	243	305
						Debts to Linked Enterprises	0	0	0	0	(
5. Non-Finished Production	0	0	0	0	0	Debts to Finansial Institutions	0	0	0	0	(
Other Short Term Material Assets	0	0	0	0	0	Debts to Suppliers and Clients	37	20	32	22	68
II. Short Term Payment Due	615	529	502	387	353	Debts on Commercial Loans	0	0	0	0	(
 Payments Due from Linked Enterprises 	0	0	0	0	0	Debts to Personnel	163	80	46	45	38
	Ü		•	Ü	Ŭ	Debts to Insurance	74	56	54	55	65
Payments Due from Clients and	363	389	314	246	234	7. Tax Debts	73	63	57	57	66
Suppliers	303	307	314	240	234	Other Short Term Debts	98	86	94	64	68
Payments Due on Commercial Loans	0	0	0	0	0	9. Provisions	0	0	0	0	0
Granted incl. Advances	U	U	U	U	U	II. Incomes for Future Periods and	0	0	0	0	
4. Juridical and Sentenced Payments Due	224	107	1.42	00		Finansing	0	0	U	U	0
	224	107	143	89	66	D. Finansing	1,673	0	0	0	(
Taxes on Recuperation	26	27	41	50	50	For Long Term Assets	1,673	0	0	0	(
6. Other Short Term Payments Due	2	6	4	2	3	For Current Activities	0	0	0	0	(
III. Short Term Finansial Assets	0	0	0	0	0						
Finansial Assets from Linked											
Enterprises	0	0	0	0	0						
Bought Back Own Debt Securities	0	0	0	0	0						
Short Term Securities	0	0	0	0	0						
		0		_	_						
Precious Metals and Jewellry Other Short Torry Financial Assets	0	0	0	0	0						
5. Other Short Term Finansial Assets	0	0	0	0	0						
IV. Monetary Sources	1,273	1,172	1,156	833	686						
Monetary Sources in Cash	22	10	1	2	1						
Monetary Sources on Bank Deposits	1,251	1,162	1,155	831	685						
Blocked Monetary Reserves	0	0	0	0	0						
4. Money Equivalents	0	0	0	0	0						
V. Expenses on Future Periods	4	4	4	187	6						
otal	12,749	10,352	10,365	10,703	10,521	Total	12,749	10,352	10,365	10,703	10,52

Table 110 Balance Sheet of Sofia District WS&S Co. Ltd. - District Sofia, South West Region (100 % State Owned Entetrprise)

	Assets	2001	2002	2003	2004	2005	Liabilities	2001	2002	2003	(Unit: 1,0 2004	200
A. Non Subscribed C		0	0	0	0	0	A. Own Capital	8,591	5,283	5,439	5,369	5,39
. Long Term Assets	•	25,601	20,547	18,043	15,644	13,763	I. Basic Capital	3,527	170	170	170	17
I. Lonmg Term Ma		25,583	20,527	18,037	15,644	13,763	Subscribed Capital	3,527	170	170	170	17
-	ands, Forests and Other						Additional Capital	0	0	0	0	
Permanent I		3,264	4,004	n.a.	n.a.	3,684	II. Reserves	4,775	4,827	5,093	5,166	5,18
2 Machinery	Works and Equipment	20,931	16,276	n.a.	n.a.	9,996	Emission Premia	0	0	0	0	-,
**	Term Material Assets	1,293	166	106	90	0	Reserve for Post-Estimate of		Ü			
-	Acquisition and	1,2/5	100	100	, ,	Ŭ	Assets and Liabilities (Pre-	4,244	4,244	4,540	4,501	4,42
	of Long Term Material	95	81	79	91	83	Estimate Reserve)	.,2	.,2	1,5 10	1,501	.,
Assets							Target Reserve	531	583	553	665	76
II. Long Term Nor	Material Assets	18	20	6	0	0	a. General Reserve					
-	Foundation and						(Additional Reserve)	531	583	553	665	76
Enlargemen		0	0	0	0	0	b. Specialized Reserve					
	ctivities Products	0	0	0	0	0	(Reserve by Law)	0	0	0	0	
	el. Patent, License, etc.	18	20	6	0	0	c. Other Reserve	0	0	0	0	
	Term Non-Material Assets		20	Ü	Ü	· ·	III. Fianansial Result	289	286	176	33	3
4. Other Long	Term Non-Material Assets	0	0	0	0	0	Profit/Loss Accumulated	0	0	0	0	
III. Long Term Fin	ancial Accete	0	0	0	0	0	a. Non-Divided Profit	0	0	0	0	
Shares and S		0	0	0	0	0	b. Uncovered Loss	0	0	0	0	
Investment		0	0	0	0	0	Current Operating Profit/ Loss	U	U	U	U	
Other Long		0	0	0	0	0	2. Current Operating Front Loss	289	286	176	33	
-					0		B. Long Term Liabilities	0	0	0	0	
4. Long Term	•	0	0	0		0	I. Long Term Debts	0	0	0	0	
IV. Trade Reputati		0	0	0	0	0		0	0	0	0	
Positive Rep		0	0	0	0	0	Debts to Linked Enterprises	0	0	0	0	
2. Negative Re		0	0	0	0	0	Debts to Finansial Institutions	0	0	0	0	
V. Expenses on Fu		0	0	0	0	0	Debts on Commercial Loans	0	0	0	0	
. Short Term Assets		2,720	2,563	2,901	3,078	3,968	4. Taxes Postponed	0	0	0	0	
I. Short Term Mat	erial Assets	1,428	1,389	1,370	1,454	1,524	Other Long Term Liabilities	0	0	0	0	
 Materials 		1,425	1,387	1,368	1,453	1,523	II. Incomes for Future Periods and	0	0	0	0	
2. Production		0	0	0	0	0	Finansing					
Goods		3	2	2	1	1	C. Short Term Liabilities	807	17,827	15,505	13,353	12,34
	Small Animals and	0	0	0	0	0	I. Short Term Debts	807	601	564	695	1,36
Animals for				•	Ü	Ŭ	Debts to Linked Enterprises	0	0	0	0	
	ed Production	0	0	0	0	0	Debts to Finansial Institutions	0	0	0	0	
Other Short	Term Material Assets	0	0	0	0	0	Debts to Suppliers and Clients	165	167	177	175	40
II. Short Term Pay	ment Due	730	822	1,063	1,264	1,438	 Debts on Commercial Loans 	0	0	0	0	
 Payments D 	ue from Linked Enterprises	0	0	0	0	0	Debts to Personnel	362	164	122	167	16
		U	U	U	U	0	Debts to Insurance	104	99	95	115	10
Payments D	ue from Clients and	652	499	664	785	922	Tax Debts	124	105	123	110	14
Suppliers		032	477	004	103	722	Other Short Term Debts	52	13	9	98	54
Payments D	ue on Commercial Loans	11	0	0	0	0	9. Provisions	0	53	38	30	
Granted incl	l. Advances	11	U	U	U	0	II. Incomes for Future Periods and	0	17.226	14.041	12 (50	10.05
 Juridical and 	d Sentenced Payments Due	4.0		246	20.5	4.50	Finansing	0	17,226	14,941	12,658	10,97
		10	229	346	395	468	D. Finansing	18,923	0	0	0	
Taxes on Re	ecuperation	16	40	6	32	29	For Long Term Assets	18,923	0	0	0	
	Term Payments Due	41	54	47	52	19	For Current Activities	0	0	0	0	
III. Short Term Fir	•	0	0	0	0	0						
	ssets from Linked											
Enterprises		0	0	0	0	0						
	k Own Debt Securities	0	0	0	0	0						
Short Term		0	0	0	0	0						
	etals and Jewellry	0	0	0	0	0						
	Term Finansial Assets	0	0	0	0	0						
IV. Monetary Sour		543	349	458	338	990						
Monetary Se Monetary Se		0	0	0	0	0						
Monetary Se	ources on Bank Deposits	543	349	458	338	990						
	netary Reserves	0	0	0	0	0						
4. Money Equi		0	0	0	0	0						
V. Expenses on Fu	ature Periods	19	3	10	22	16						
otal		28,321	23,110	20,944	18,722	17,731	Total	28,321	23,110	20,944	18,722	17,73

Table 111 Balance Sheet of Stara Zagora WS&S Co. Ltd. - Stara Zagora, South Central Region (100 % State Owned Entetrprise)

				•			a Litter prise)				(Unit: 1,0	000 Levs)
	Assets	2001	2002	2003	2004	2005	Liabilities	2001	2002	2003	2004	2005
	Subscribed Capital	0	0	0	0	0	A. Own Capital	24,491	17,890	19,080	19,340	19,591
	g Term Assets	29,923	23,817	22,300	21,660	21,260	I. Basic Capital	9,500	460	460	460	460
	nmg Term Material Assets	23,968	18,791	18,279	18,261	18,553	Subscribed Capital	9,500	460	460	460	460
1.	Buildings, Lands, Forests and Other Permanent Plantations	1,967	3,810	n.a.	n.a.	3,955	2. Additional Capital	0	0	0	0	0
2		17.670	1.4.2.42			14 101	II. Reserves	13,487	15,795	16,197	16,178	16,170
2. 3.		17,678	14,343	n.a.	n.a.	14,101	Emission Premia Reserve for Post-Estimate of	0	0	0	0	0
3. 4.	Other Long Term Material Assets Expenses on Acquisition and	895	159	141	110	62	Assets and Liabilities (Pre-	4,134	6,469	6,458	6,454	6,446
٦.	Liquidation of Long Term Material	3,428	479	643	460	435	Estimate Reserve)	4,134	0,409	0,436	0,434	0,440
	Assets	3,420	4//	013	400	755	Target Reserve	9,353	9,326	9,739	9,724	9,724
II. Lo	ong Term Non Material Assets	5,955	5,026	4,021	3,399	2,707	a. General Reserve	,				
	Expenses on Foundation and						(Additional Reserve)	9,352	9,326	9,739	9,724	9,724
	Enlargement	0	4,886	3,930	3,293	2,656	 b. Specialized Reserve 					
2.	Research Activities Products	0	19	14	9	4	(Reserve by Law)	1	0	0	0	0
3.	Software incl. Patent, License, etc.	133	114	70	90	47	c. Other Reserve	0	0	0	0	0
4.	Other Long Term Non-Material Assets	5,822	7	7	7	0	III. Fianansial Result	1,504	1,635	2,423	2,702	2,961
		3,622	,	,	,	U	Profit/Loss Accumulated	1,111	1,190	2,150	2,360	2,613
III. I	ong Term Financial Assets	0	0	0	0	0	 a. Non-Divided Profit 	1,111	1,190	2,150	2,360	2,613
1.		0	0	0	0	0	b. Uncovered Loss	0	0	0	0	0
2.	* *	0	0	0	0	0	Current Operating Profit/ Loss	393	445	273	342	348
3.	•	0	0	0	0	0						
	Long Term Payments Due	0	0	0	0	0	B. Long Term Liabilities	3,473	3,290	3,030	2,791	2,551
	rade Reputation	0	0	0	0	0	I. Long Term Debts	3,473	3,290	3,030	2,791	2,551
	Positive Reputation	0	0	0	0	0	Debts to Linked Enterprises	0	0	0	0	0
	Negative Reputation	0	0	0	0	0	Debts to Finansial Institutions Debts on Commercial Loans	0	0	0	0	0
	xpenses on Future Periods t Term Assets	0 7,250	0 7,679	0 8,488	0 9,746	0 10,492	Taxes Postponed	0	0	0	0	0
	ort Term Material Assets	994	1,426	1,841	1,683	1,621	Other Long Term Liabilities	3,473	3,290	3,030	2,791	2,551
1. 31.		993	1,424	1,839	1,681	1,618	II. Incomes for Future Periods and					
2.		0	0	0	0	1,018	Finansing	0	0	0	0	0
3.	Goods	1	2	2	2	2	C. Short Term Liabilities	3,437	10,316	8,678	9,275	9,610
	Young and Small Animals and						I. Short Term Debts	3,437	5,145	4,462	5,708	6,686
	Animals for Meat	0	0	0	0	0	Debts to Linked Enterprises	0	0	0	0	0
5.	Non-Finished Production	0	0	0	0	0	Debts to Finansial Institutions	0	0	0	0	0
6.	Other Short Term Material Assets	0	0	0	0	0	Debts to Suppliers and Clients	463	653	1,141	2,288	3,310
II. Sl	ort Term Payment Due	5,386	5,690	6,472	7,850	8,447	 Debts on Commercial Loans 	0	0	0	0	0
1.	Payments Due from Linked Enterprises	0	0	0	0	0	Debts to Personnel	1,155	663	969	858	707
		U	Ü	Ü	Ü	· ·	Debts to Insurance	298	332	338	326	342
2.	Payments Due from Clients and	4,720	4,564	4,602	5,129	5,787	7. Tax Debts	1,385	229	452	458	523
_	Suppliers	,	,	,	-,	.,	8. Other Short Term Debts	136	2,565	1,361	1,778	1,804
3.	Payments Due on Commercial Loans Granted incl. Advances	146	0	0	0	0	9. Provisions	0	703	201	0	0
							II. Incomes for Future Periods and Finansing	0	5,171	4,216	3,567	2,924
4.	Juridical and Sentenced Payments Due	249	882	1,718	2,640	2,585	D. Finansing	5 772	0	0	0	0
5	Taxes on Recuperation	238	216	147	66	58	Finansing For Long Term Assets	5,772 5,772	0	0	0	0
6.	Other Short Term Payments Due	33	28	5	15	17	For Current Activities	0	0	0	0	0
	hort Term Finansial Assets	0	0	0	0	0	2.	U	U	U	U	U
	Finansial Assets from Linked											
	Enterprises	0	0	0	0	0						
2.	Bought Back Own Debt Securities	0	0	0	0	0						
3.	Short Term Securities	0	0	0	0	0						
4.	Precious Metals and Jewellry	0	0	0	0	0						
5.	Other Short Term Finansial Assets	0	0	0	0	0						
IV. N	Ionetary Sources	833	499	106	166	416						
1.	Monetary Sources in Cash	19	9	12	12	11						
2.	Monetary Sources on Bank Deposits	814	490	0	0	0						
3.	*	0	0	0	0	0						
	Money Equivalents	0	0	94	154	405						
	xpenses on Future Periods	37	64	69	47	8	T-4-1	20:	24 :	20.5	24 :	24.5
Total	Ministry of Einance and Ministry of Publ	37,173	31,496	30,788	31,406	31,752	Total	37,173	31,496	30,788	31,406	31,752

Total 37,173 31,496 30,788 31,406 31,752 Total

Source: Ministry of Finance and Ministry of Public Works and Regionmal Development.

Table 112 Balance Sheet of Vidin WS&S Co. Ltd. - Vidin, North West Region (100 % State Owned Entetrprise)

	Assets	2001	2002	2003	2004	2005	Liabilities	2001	2002	2003	2004	2005
A. Non	Subscribed Capital	0	0	0	0	2003	A. Own Capital	4,483	2,720	2,775	2,802	2,782
	Term Assets	5,385	3,584	3,542	3,478	3,305	I. Basic Capital	1,854	100	100	100	100
-	mg Term Material Assets	5,369	3,571	3,534	3,473	3,303	Subscribed Capital	1,854	100	100	100	100
	Buildings, Lands, Forests and Other						Additional Capital	0	0	0	0	(
	Permanent Plantations	602	434	n.a.	n.a.	510	II. Reserves	2,550	2,546	2,546	2,543	2,543
2.	Machinery, Works and Equipment	4,070	2,941	n.a.	n.a.	2,744	Emission Premia	0	0	0	0	_,. (
3.	Other Long Term Material Assets	436	56	69	55	49	Reserve for Post-Estimate of	0	Ů	Ü		
	Expenses on Acquisition and	.50	20	0,			Assets and Liabilities (Pre-	690	687	687	684	684
	Liquidation of Long Term Material	261	140	202	204	0	Estimate Reserve)	0,0	007	007		00
	Assets	201	1.0	202	20.	Ů	Target Reserve	1,860	1,859	1,859	1,859	1,859
II Lo	ng Term Non Material Assets	16	13	8	5	2	a. General Reserve	1,000	1,037	1,037	1,057	1,000
	Expenses on Foundation and						(Additional Reserve)	0	4	4	4	4
1.	Enlargement	0	0	0	0	0	b. Specialized Reserve					
2.	Research Activities Products	0	0	0	0	0	(Reserve by Law)	4	0	0	0	0
3.	Software incl. Patent, License, etc.	16	13	8	5	2	c. Other Reserve	1 956	1 955	1 955	1 955	1,855
3. 4.	Other Long Term Non-Material Assets	10	13	٥	3	4	III. Fianansial Result	1,856 79	1,855 74	1,855 129	1,855 159	1,833
4.	Other Long Term Non-Waterial Assets	0	0	0	0	0		51	59	39	79	
TIT T	Town Financial Acada		0				Profit/Loss Accumulated					118
	ong Term Financial Assets	0	0	0	0	0	a. Non-Divided Profit	51	59	39	79	118
1.	Shares and Stocks	0	0	0	0	0	b. Uncovered Loss	0	0	0	0	C
	Investment Property	0	0	0	0	0	Current Operating Profit/ Loss	28	15	90	80	21
3.	Other Long Term Securities	0	0	0	0	0	n					
	Long Term Payments Due	0	0	0	0	0	B. Long Term Liabilities	422	438	364	300	332
	rade Reputation	0	0	0	0	0	I. Long Term Debts	422	438	364	300	332
1.	•	0	0	0	0	0	Debts to Linked Enterprises	0	0	0	0	0
	Negative Reputation	0	0	0	0	0	Debts to Finansial Institutions	404	430	364	300	316
	xpenses on Future Periods	0	0	0	0		Debts on Commercial Loans	18	8	0	0	0
	Term Assets	743	783	891	938	1,036	Taxes Postponed	0	0	0	0	0
I. Sho	ort Term Material Assets	101	180	193	237	221	Other Long Term Liabilities	0	0	0	0	16
1.	Materials	101	180	193	237	221	II. Incomes for Future Periods and		0	0	0	0
2.	Production	0	0	0	0	0	Finansing		v	Ü	Ü	0
3.	Goods	0	0	0	0	0	C. Short Term Liabilities	605	1,209	1,294	1,314	1,227
4.	Young and Small Animals and	0	0	0	0	0	I. Short Term Debts	605	509	620	666	606
	Animals for Meat	U	U	U	U	U	 Debts to Linked Enterprises 	0	0	0	0	0
5.	Non-Finished Production	0	0	0	0	0	Debts to Finansial Institutions	0	0	0	0	0
6.	Other Short Term Material Assets	0	0	0	0	0	Debts to Suppliers and Clients	119	69	162	127	108
II. Sh	ort Term Payment Due	271	378	379	377	446	 Debts on Commercial Loans 	0	0	0	0	0
1.	Payments Due from Linked Enterprises		0				Debts to Personnel	154	152	191	204	184
		0	0	0	0	0	Debts to Insurance	67	74	93	102	95
2.	Payments Due from Clients and		225	201		201	7. Tax Debts	230	76	88	59	143
	Suppliers	222	327	304	282	296	Other Short Term Debts	35	124	86	174	76
3.	Payments Due on Commercial Loans						9. Provisions	0	14	0	0	0
	Granted incl. Advances	1	0	0	0	0	II. Incomes for Future Periods and					
4	Juridical and Sentenced Payments Due						Finansing	0	700	674	648	621
	variation and semenced rayments suc	43	43	52	65	73	D. Finansing	618	0	0	0	0
5.	Taxes on Recuperation	3	7	22	28	50	For Long Term Assets	618	0	0	0	0
6.	Other Short Term Payments Due	2	1	1	2	27	2. For Current Activities	0	0	0	0	0
	nort Term Finansial Assets	0	0	0	0	0	Z. Tor current richtwice	U	U	U	U	U
	Finansial Assets from Linked	U	U	U	U	U						
1.	Enterprises	0	0	0	0	0						
2				0								
2.	Bought Back Own Debt Securities	0	0	0	0	0						
3.	Short Term Securities	0	0	0	0	0						
	Precious Metals and Jewellry	0	0	0	0	0						
	Other Short Term Finansial Assets	0	0	0	0	0						
	onetary Sources	364	217	312	306	360						
1.	*	6	7	23	3	4	1					
2.	Monetary Sources on Bank Deposits	358	210	289	303	356						
		550	210	207	505	330	1					
3.	Blocked Monetary Reserves	0	0	0	0	0	1					
4.	Money Equivalents	0	0	0	0	0						
V. E	spenses on Future Periods	7	8	7	18	9						
Total		6,128	4,367	4,433	4,416	4,341	Total	6,128	4,367	4,433	4,416	4,341

Table 113 Balance Sheet of Yambol WS&S Co. Ltd. - Yambol, South East Region (100 % State Owned Entetrprise)

Assets	2001	2002	2003	2004	2005	Liabilities	2001	2002	2003	(Unit: 1,0 2004	200
A. Non Subscribed Capital	0	0	0	0	0	A. Own Capital	11,195	7,805	8,207	8,287	8,287
B. Long Term Assets	11,605	8,057	8,111	7,424	6,861	I. Basic Capital	3,576	228	228	228	228
I. Lonmg Term Material Assets	11,542	7,991	8,083	7,419	6,847	Subscribed Capital	3,576	228	228	228	228
Buildings, Lands, Forests and Other						Additional Capital	0	0	0	0	
Permanent Plantations	856	654	n.a.	n.a.	1,194	II. Reserves	7,487	7,514	7,906	7,978	8,038
2. Machinery, Works and Equipment	9,281	7,015	n.a.	n.a.	5,488	Emission Premia	0	0	0	0	. (
Other Long Term Material Assets	595	115	63	59	43	Reserve for Post-Estimate of					
 Expenses on Acquisition and 						Assets and Liabilities (Pre-	1,809	1,799	2,332	2,376	2,372
Liquidation of Long Term Material	810	207	129	156	122	Estimate Reserve)					
Assets						Target Reserve	5,678	5,715	5,574	5,602	5,666
II. Long Term Non Material Assets	61	66	28	5	14	a. General Reserve	1	1	1	1	1
Expenses on Foundation and	0	0	0	0	0	(Additional Reserve)			•	•	
Enlargement						b. Specialized Reserve	0	0	0	0	(
Research Activities Products	0	0	0	0	0	(Reserve by Law)					
3. Software incl. Patent, License, etc.	61	66	28	5	14	c. Other Reserve	5,677	5,714	5,573	5,601	5,665
4. Other Long Term Non-Material Assets	0	0	0	0	0	III. Fianansial Result	132	63	73	81	21
		_	_		_	Profit/Loss Accumulated	40	9	18	13	9
III. Long Term Financial Assets	2	0	0	0	0	a. Non-Divided Profit	40	9	18	13	ç
Shares and Stocks	0	0	0	0	0	b. Uncovered Loss	0	0	0	0	(
2. Investment Property	0	0	0	0	0	Current Operating Profit/ Loss	92	54	55	68	12
Other Long Term Securities	0	0	0	0	0	B. Long Term Liabilities	1 2 42	1.500	1 400	1.575	1.505
Long Term Payments Due IV. Trade Reputation	2	0	0	0	0	I. Long Term Debts	1,242	1,599	1,480	1,575	1,507
	0	0	0	0	0		1,242	1,397	1,303	1,439	1,396
Positive Reputation Negative Reputation	0	0	0	0	0	Debts to Linked Enterprises Debts to Finansial Institutions	0 1,242	0 1,397	1 202	1.420	1 206
V. Expenses on Future Periods		0	0	0	0	Debts to Finalistal histitutions Debts on Commercial Loans	1,242	1,397	1,303	1,439	1,396
C. Short Term Assets	0 2,212	2,367	2,881	3,891	3,989	Taxes Postponed	0	0	0	0	(
I. Short Term Material Assets	442	376	520	480	359	Other Long Term Liabilities	0	0	0	0	0
Materials	438	376	520	480	359	II. Incomes for Future Periods and	U	U	U	U	
2. Production	0	0	0	0	0	Finansing	0	202	177	136	111
3. Goods	4	0	0	0	0	C. Short Term Liabilities	1,156	1,020	1,305	1,453	1,056
Young and Small Animals and	-					I. Short Term Debts	1,156	1,020	1,305	1,453	1,056
Animals for Meat	0	0	0	0	0	Debts to Linked Enterprises	0	0	1,303	1,433	1,050
5. Non-Finished Production	0	0	0	0	0	Debts to Finansial Institutions	137	0	0	0	0
Other Short Term Material Assets	0	0	0	0	0	Debts to Suppliers and Clients	151	105	132	82	105
II. Short Term Payment Due	1,670	1,636	2,046	2,766	3,055	Debts on Commercial Loans	0	0	0	0	(
Payments Due from Linked Enterprises						Debts to Personnel	244	256	98	124	117
1	0	0	0	0	0	Debts to Insurance	79	114	75	80	77
2. Payments Due from Clients and					2 501	7. Tax Debts	477	88	59	95	93
Suppliers	1,622	1,541	1,912	2,578	2,791	Other Short Term Debts	68	216	744	889	663
3. Payments Due on Commercial Loans	4	0	0	0	0	9. Provisions	0	241	196	182	0
Granted incl. Advances	4	U	U	0	0	II. Incomes for Future Periods and	0	0	0	0	0
4. Juridical and Sentenced Payments Due	15	38	95	161	239	Finansing	U	U	U	U	U
	13	36	73	101	239	D. Finansing	224	0	0	0	0
Taxes on Recuperation	27	55	37	26	23	For Long Term Assets	224	0	0	0	0
Other Short Term Payments Due	2	2	2	1	2	For Current Activities	0	0	0	0	0
III. Short Term Finansial Assets	0	0	0	0	0						
 Finansial Assets from Linked 	0	0	0	0	0						
Enterprises	v	Ü	Ü	Ü	· ·						
Bought Back Own Debt Securities	0	0	0	0	0						
Short Term Securities	0	0	0	0	0						
 Precious Metals and Jewellry 	0	0	0	0	0						
Other Short Term Finansial Assets	0	0	0	0	0						
IV. Monetary Sources	81	342	300	633	548						
Monetary Sources in Cash	0	0	0	0	0						
Monetary Sources on Bank Deposits	81	342	300	633	548						
,											
Blocked Monetary Reserves	0	0	0	0	0						
Money Equivalents	0	0	0	0	0						
V. Expenses on Future Periods	19	13	15	12	27	T-4-1	12.017	10.10:	10.005		10.0
Total	13,817	10,424	10,992	11,315	10,850	Total	13,817	10,424	10,992	11,315	10,850

Table 114 Balance Sheet of Dimitrovgrad WS&S Co. Ltd. - Dimitrovgrad, South Central Region (Joint Operating Entetrprise: 51 % State and 49 % Municipality)

(Unit: 1,000 Levs) Liabilities A. Non Subscribed Capital A. Own Capital 1,976 1,106 1,269 1,322 1,350 B. Long Term Assets 3,341 2 542 2 558 2 352 2 259 I. Basic Capital I. Lonmg Term Material Assets 3,312 2,526 2.547 2,346 2,256 Subscribed Capital 1. Buildings, Lands, Forests and Other 2 Additional Capital Λ n.a n.a. Permanent Plantations II. Reserves 1,132 1.028 1.181 1.242 1.242 2. Machinery, Works and Equipment 2,315 2,389 n.a 1,954 Emission Premia Other Long Term Material Assets Reserve for Post-Estimate of Assets and Liabilities (Pre-Expenses on Acquisition and Estimate Reserve) Liquidation of Long Term Material Assets 3. Target Reserve 1.043 a. General Reserve II. Long Term Non Material Assets (Additional Reserve) 1. Expenses on Foundation and Enlargement b Specialized Reserve 2. Research Activities Products (Reserve by Law) Software incl. Patent, License, etc. c Other Reserve 1.043 Other Long Term Non-Material Assets III Fianansial Result 1 Profit/Loss Accumulated III. Long Term Financial Assets a. Non-Divided Profit 1. Shares and Stocks b Uncovered Loss 2. Investment Property 2. Current Operating Profit/ Loss Other Long Term Securities B. Long Term Liabilities 1.554 1.836 1.687 1.517 1.483 4. Long Term Payments Due IV. Trade Reputation I. Long Term Debts 1,554 1,470 1,385 1,277 1 306 1. Debts to Linked Enterprises 1. Positive Reputation Debts to Finansial Institutions 2. Negative Reputation 1 554 1 289 3. Debts on Commercial Loans V. Expenses on Future Periods 1.443 1.342 1.244 4. Taxes Postponed C. Short Term Assets 1.248 1.436 1.420 1.112 1.022 I. Short Term Material Assets 5. Other Long Term Liabilities II. Incomes for Future Periods and 1. Materials Finansing 2. Production Goods Short Term Liabilities 1,022 1,036 Young and Small Animals and I. Short Term Debts 1.036 1.022 Debts to Linked Enterprises Debts to Finansial Institutions 5. Non-Finished Production 6. Other Short Term Material Assets Debts to Suppliers and Clients II. Short Term Payment Due Debts on Commercial Loans 1,171 Debts to Personnel 1. Payments Due from Linked Enterprises Debts to Insurance Tax Debts 2. Payments Due from Clients and 1,063 Suppliers Other Short Term Debts Payments Due on Commercial Loans Provisions Granted incl. Advances II. Incomes for Future Periods and Finansing 4. Juridical and Sentenced Payments Due 5. Taxes on Recuperation For Long Term Assets 2. For Current Activities 6. Other Short Term Payments Due III. Short Term Finansial Assets 1. Finansial Assets from Linked Enterprises Bought Back Own Debt Securities Short Term Securities Precious Metals and Jewellry Other Short Term Finansial Assets IV. Monetary Sources Monetary Sources in Cash 2. Monetary Sources on Bank Deposits Blocked Monetary Reserves 4. Money Equivalents V. Expenses on Future Periods Total 4,589

Source: Ministry of Finance and Ministry of Public Works and Regionmal Development

Table 115 Balance Sheet of Gabrovo WS&S Co. Ltd. - Gabrovo, North Central Region (Joint Operating Entetrprise: 51 % State and 49 % Municipality)

	(-				State and 43 % Municipality)				(Unit: 1,0	000 Levs)
Assets	2001	2002	2003	2004	2005	Liabilities	2001	2002	2003	2004	2005
A. Non Subscribed Capital	0	0	0	0	0	A. Own Capital	12,397	7,634	6,332	5,690	3,776
B. Long Term Assets	18,253	15,487	14,886	13,949	13,730	I. Basic Capital	3,414	370	370	370	370
I. Lonmg Term Material Assets	18,204	15,438	14,837	13,887	13,659	Subscribed Capital	3,414	370	370	370	370
Buildings, Lands, Forests and Other	1,618	1,285	n.a.	n.a.	n.a.	Additional Capital	0	0	0	0	0
Permanent Plantations						II. Reserves	9,907	9,907	7,245	7,207	6,817
Machinery, Works and Equipment	13,203	11,577	n.a.	n.a.	n.a.	Emission Premia	0	0	0	0	0
Other Long Term Material Assets	1,663	18	0	0	0	 Reserve for Post-Estimate of Assets and Liabilities (Pre- 					
Expenses on Acquisition and Lincid time of Lange Transport						Estimate Reserve)	2,647	2,647	2,641	2,603	2,213
Liquidation of Long Term Material Assets	1,720	2,558	2,017	2,216	n.a.	·					
				1.2	22	3. Target Reserve	7,260	7,260	4,604	4,604	4,604
II. Long Term Non Material Assets	0	0	0	13	22	a. General Reserve (Additional Reserve)	0	0	0	0	0
Expenses on Foundation and Enlargement	0	0	0	0	0	b. Specialized Reserve					
Research Activities Products	0	0	0	0	0	(Reserve by Law)	0	0	0	0	0
Software incl. Patent, License, etc.	0	0	0	13	22	c. Other Reserve	7,260	7.260	4,604	4,604	4,604
Other Long Term Non-Material Assets	U	U	U	13	22	III. Fianansial Result	-924	7,260 -2,643	-1,283	-1,887	-3,411
4. Other Long Term Non-Material Assets	0	0	0	0	0	Profit/Loss Accumulated	21	-924	-1,283	-1,281	n.a.
III. Long Term Financial Assets	49	49	49	49	49	a. Non-Divided Profit	21	21	0	-1,201	n.a.
Shares and Stocks	49	49	49	49	49	b. Uncovered Loss	0	-945	0	-1,287	n.a.
Investment Property	0	0	0	0	0	Current Operating Profit/ Loss	Ü	-743	Ü	-1,207	п.а.
Other Long Term Securities	0	0	0	0	0	2. Current operating Front 2005	-945	-1,719	-1,283	-606	n.a.
Long Term Payments Due	0	0	0	0	0	B. Long Term Liabilities	4,388	4,610	4,610	10,000	11,777
IV. Trade Reputation	0	0	0	0	0	I. Long Term Debts	4,388	4,610	4,610	9,076	10,892
Positive Reputation	0	0	0	0	0	Debts to Linked Enterprises	0	0	0	0,070	10,072
Negative Reputation	0	0	0	0	0	Debts to Finansial Institutions	4,388	4,610	4,610	7,179	8,414
V. Expenses on Future Periods	0	0	0	0	0	Debts on Commercial Loans	0	0	0	0	0,
C. Short Term Assets	2,055	2,518	2,835	3,742	4,073	Taxes Postponed	0	0	0	42	390
I. Short Term Material Assets	458	766	811	853	944	Other Long Term Liabilities	0	0	0	1,855	2,088
1. Materials	453	759	807	849	n.a.	II. Incomes for Future Periods and					
2. Production	0	0	0	0		Finansing	0	0	0	924	885
3. Goods	5	7	4	4	n.a.	C. Short Term Liabilities	2,979	5,761	6,779	2,001	2,250
4. Young and Small Animals and						I. Short Term Debts	2,979	5,127	5,776	1,962	2,250
Animals for Meat	0	0	0	0	n.a.	 Debts to Linked Enterprises 	0	0	0	0	0
Non-Finished Production	0	0	0	0	n.a.	Debts to Finansial Institutions	175	0	0	0	0
Other Short Term Material Assets	0	0	0	0	n.a.	Debts to Suppliers and Clients	679	864	834	858	905
II. Short Term Payment Due	1,511	1,693	1,762	2,202	2,393	 Debts on Commercial Loans 	0	0	0	0	0
 Payments Due from Linked Enterprises 	0	0	0	0	20	Debts to Personnel	88	169	194	63	207
	U	U	U	U	n.a.	Debts to Insurance	34	141	130	53	0
Payments Due from Clients and	1,293	1,512	1,694	2,125	20	7. Tax Debts	790	1,057	835	40	84
Suppliers	1,293	1,312	1,094	2,123	n.a.	Other Short Term Debts	1,213	2,896	3,729	948	1,054
Payments Due on Commercial Loans	0	0	0	0	n.a.	9. Provisions	0	0	54	0	0
Granted incl. Advances	Ü	Ü	v	Ů	11.4.	II. Incomes for Future Periods and	0	634	1,003	39	0
 Juridical and Sentenced Payments Due 	0	0	15	24	n.a.	Finansing	v	054	1,005	37	v
						D. Finansing	544	0	0	0	0
Taxes on Recuperation	50	51	0	2	n.a.	For Long Term Assets	544	0	0	0	0
Other Short Term Payments Due	168	130	53	51	n.a.	For Current Activities	0	0	0	0	0
III. Short Term Finansial Assets	0	0	0	0	0						
Finansial Assets from Linked	0	0	0	0	0						
Enterprises											
Bought Back Own Debt Securities	0	0	0	0	0						
Short Term Securities	0	0	0	0	0						
Precious Metals and Jewellry	0	0	0	0	0						
5. Other Short Term Finansial Assets	0	0	0	0	0						
IV. Monetary Sources	69	57	260	654	690						
Monetary Sources in Cash Monetary Sources on Book Booksits	23	30	190	39	n.a.						
Monetary Sources on Bank Deposits	46	27	70	615	n.a.						
3 Blocked Monetary Posserios		0	0	0							
Blocked Monetary Reserves Money Equivalents	0	0	0	0	n.a.						
V. Expenses on Future Periods	17	2	2	33	n.a. 46						
Total	20,308	18,005	17,721	17,691	46 17,803	Total	20,308	18,005	17,721	17,691	17,803
Source: Ministry of Finance and Ministry of Publ					17,003		20,308	10,003	1/,/41	17,071	17,003

Total 20,308 18,005 17,721 17,691 17,803 Total

Source: Ministry of Finance and Ministry of Public Works and Regionmal Development.

Table 116 Balance Sheet of Isperih WS&S Co. Ltd. - Isperih, South Central Region (Joint Operating Entetrprise: 51 % State and 49 % Municipality)

						F1 1 207				\ /	00 Levs)
Assets	2001	2002	2003	2004	2005	Liabilities	2001	2002	2003	2004	2005
A. Non Subscribed Capital	0	0	0	0	0	A. Own Capital	2,415	1,876	1,742	1,962	1,964
B. Long Term Assets	2,986	2,422	2,319	2,358	2,321	I. Basic Capital	605	77	77	77	77
I. Lonmg Term Material Assets	2,982	2,420	2,318	2,356	2,316	Subscribed Capital	605	77	77	77	77
Buildings, Lands, Forests and Other	694	604	n.a.	n.a.	704	Additional Capital	0	0	0	0	0
Permanent Plantations						II. Reserves	1,752	1,782	1,610	1,850	1,866
Machinery, Works and Equipment	1,273	1,770	n.a.	n.a.	1,587	Emission Premia	0	0	0	0	0
Other Long Term Material Assets	77	10	7	5	4	Reserve for Post-Estimate of					
Expenses on Acquisition and						Assets and Liabilities (Pre- Estimate Reserve)	876	898	722	934	934
Liquidation of Long Term Material	938	36	37	38	21	Estimate Reserve)					
Assets						Target Reserve	876	884	888	916	932
II. Long Term Non Material Assets	4	2	1	2	4	 a. General Reserve 	0	0	0	0	0
 Expenses on Foundation and 	0	0	0	0	0	(Additional Reserve)	Ü	·	Ü	Ü	Ů
Enlargement	v	Ů	Ü	Ü	Ů	 b. Specialized Reserve 	0	0	0	0	0
Research Activities Products	0	0	0	0	0	(Reserve by Law)	U	Ü	U	U	Ü
Software incl. Patent, License, etc.	4	2	1	2	4	c. Other Reserve	876	884	888	916	932
Other Long Term Non-Material Assets	0	0	0	0	0	III. Fianansial Result	58	17	55	35	21
	U	U	U	U	٥	 Profit/Loss Accumulated 	0	0	1	1	0
III. Long Term Financial Assets	0	0	0	0	1	 Non-Divided Profit 	0	0	1	1	0
 Shares and Stocks 	0	0	0	0	0	 b. Uncovered Loss 	0	0	0	0	0
2. Investment Property	0	0	0	0	0	Current Operating Profit/ Loss	50	17	E 4	2.4	21
Other Long Term Securities	0	0	0	0	0		58	17	54	34	21
Long Term Payments Due	0	0	0	0	1	B. Long Term Liabilities	637	728	840	663	600
IV. Trade Reputation	0	0	0	0	0	I. Long Term Debts	637	580	698	530	471
Positive Reputation	0	0	0	0	0	Debts to Linked Enterprises	0	0	0	0	0
Negative Reputation	0	0	0	0	0	Debts to Finansial Institutions	633	576	523	472	413
V. Expenses on Future Periods	0	0	0	0	0	Debts on Commercial Loans	0	0	0	0	0
C. Short Term Assets	493	465	510	551	562	Taxes Postponed	0	0	175	58	58
I. Short Term Material Assets	58	65	66	76	74	Other Long Term Liabilities	4	4	0	0	0
1. Materials	58	65	66	76	74	II. Incomes for Future Periods and			Ü		
2. Production	0	0	0	0	0	Finansing	0	148	142	133	129
3. Goods	0	0	0	0	0	C. Short Term Liabilities	275	283	247	284	319
Young and Small Animals and	v	· ·	Ů	Ü	· · ·	I. Short Term Debts	275	283	247	284	319
Animals for Meat	0	0	0	0	0	Debts to Linked Enterprises	0	0	0	0	0
Non-Finished Production	0	0	0	0	0	Debts to Finansial Institutions	77	90	57	86	106
Other Short Term Material Assets	0	0	0	0	0	Debts to Suppliers and Clients	40	41	42	56	75
II. Short Term Payment Due	281	310	313	368		Debts on Commercial Loans	0	0	0	0	0
	201	310	313	308	418	5. Debts to Personnel					
Payments Due from Linked Enterprises	0	0	0	0	0		30	27	24	16	16
2 Promonto Dona Grand Clienta and							8	14	16	17	15
Payments Due from Clients and Suppliers	256	270	282	341	393		69	79	76	77	75
							51	32	32	32	32
 Payments Due on Commercial Loans Granted incl. Advances 	1	0	0	0	0	9. Provisions	0	0	0	0	0
						II. Incomes for Future Periods and	0	0	0	0	0
Juridical and Sentenced Payments Due	14	17	22	21	15	Finansing					
						D. Finansing	152	0	0	0	0
Taxes on Recuperation	9	22	8	5	0	For Long Term Assets	152	0	0	0	0
Other Short Term Payments Due	1	1	1	1	10	For Current Activities	0	0	0	0	0
III. Short Term Finansial Assets	0	0	0	0	0						
 Finansial Assets from Linked Enterprises 	0	0	0	0	0						
2. Bought Back Own Debt Securities	0	0	0	0	0						
Short Term Securities	0	0	0	0	0						
4. Precious Metals and Jewellry	0	0	0	0	0						
5. Other Short Term Finansial Assets	0	0	0	0	0						
IV. Monetary Sources	149	80	126	100	60						
Monetary Sources in Cash	4	2	126	100	60						
2. Monetary Sources on Bank Deposits	145	78	0	0	0						
Blocked Monetary Reserves	0	0	0	0	0						
Money Equivalents	0	0	0	0	0						
V. Expenses on Future Periods	5	10	5	7	10						
Total	3,479	2,887	2,829	2,909	2,883	Total	3,479	2,887	2,829	2,909	2,883

Total 3,479 2,887 2,829 2,909 2,883 Total

Source: Ministry of Finance and Ministry of Public Works and Regionmal Development.

Table 117 Balance Sheet of Kardzhali WS&S Co. Ltd. - Kardzhali (Kirdjali), South Central Region (Joint Operating Entetrprise: 51 % State and 49 % Municipality)

	(-	9			State and 43 % Municipality)				(Unit: 1,0	00 Levs)
Assets	2001	2002	2003	2004	2005	Liabilities	2001	2002	2003	2004	2005
A. Non Subscribed Capital	0	0	0	0	0	A. Own Capital	12,487	8,577	8,577	8,578	8,581
B. Long Term Assets	15,370	11,341	11,265	11,182	11,371	I. Basic Capital	4,223	316	316	316	316
I. Lonmg Term Material Assets	15,307	11,303	11,253	11,181	11,371	Subscribed Capital	4,223	316	316	316	316
Buildings, Lands, Forests and Other	1,230	1,200	n.a.	n.a.	1,088	Additional Capital	0	0	0	0	0
Permanent Plantations						II. Reserves	8,254	8,258	8,257	8,258	8,259
2. Machinery, Works and Equipment	11,762	8,594	n.a.	n.a.	9,061	Emission Premia Property for Part Fertinests of	0	0	0	0	0
Other Long Term Material Assets Francisco et al. Constitution and the second experience of the second experience	330	37	30	23	0	 Reserve for Post-Estimate of Assets and Liabilities (Pre- 	1.705	1.704	1.704	1.704	1.702
Expenses on Acquisition and Liquidation of Long Term Material	1,985	1,472	1.600	1.562	1 222	Estimate Reserve)	1,795	1,794	1,794	1,794	1,792
Assets	1,963	1,4/2	1,609	1,562	1,222	Target Reserve	6,459	6,464	6,463	6,464	6,467
II. Long Term Non Material Assets	63	38	12	1	0	a. General Reserve	0,439	0,404	0,403	0,404	0,407
Expenses on Foundation and						(Additional Reserve)	0	0	0	0	0
Enlargement	0	0	0	0	0	b. Specialized Reserve					
Research Activities Products	0	0	0	0	0	(Reserve by Law)	0	0	0	0	0
Software incl. Patent, License, etc.	63	38	12	1	0	c. Other Reserve	6,459	6,464	6,463	6,464	6,467
4. Other Long Term Non-Material Assets	0	0	0	0	0	III. Fianansial Result	10	3	4	4	6
	U	U	U	U	U	Profit/Loss Accumulated	0	1	1	1	2
III. Long Term Financial Assets	0	0	0	0	0	 Non-Divided Profit 	0	1	1	1	2
 Shares and Stocks 	0	0	0	0	0	b. Uncovered Loss	0	0	0	0	0
Investment Property	0	0	0	0	0	2. Current Operating Profit/ Loss	10	2	3	3	4
Other Long Term Securities	0	0	0	0	0						
Long Term Payments Due	0	0	0	0	0	B. Long Term Liabilities	3,340	4,860	4,572	4,222	4,120
IV. Trade Reputation	0	0	0	0	0	I. Long Term Debts	3,340	3,095	2,870	2,655	2,431
Positive Reputation	0	0	0	0	0	Debts to Linked Enterprises	0	0	0	0	0
Negative Reputation	0	0	0	0	0	Debts to Finansial Institutions	3,340	3,095	2,870	2,655	2,431
V. Expenses on Future Periods C. Short Term Assets	0	0	0	0	1 000	Debts on Commercial Loans Taxes Postponed	0	0	0	0	0
I. Short Term Material Assets	2,688 193	2,663 254	2,464 238	2,189 303	1,889 291	Taxes Postponed Other Long Term Liabilities	0	0	0	0	0
Materials	193	254	238	303	291	II. Incomes for Future Periods and	U	U	U	U	U
2. Production	0	0	0	0	0	Finansing	0	1,765	1,702	1,567	1,689
3. Goods	0	0	0	0	0	C. Short Term Liabilities	417	567	580	571	559
4. Young and Small Animals and						I. Short Term Debts	417	567	580	571	559
Animals for Meat	0	0	0	0	0	Debts to Linked Enterprises	0	0	0	0	0
Non-Finished Production	0	0	0	0	0	Debts to Finansial Institutions	0	0	0	0	0
Other Short Term Material Assets	0	0	0	0	0	Debts to Suppliers and Clients	76	56	72	83	86
II. Short Term Payment Due	985	856	943	1,050	1,077	 Debts on Commercial Loans 	0	0	0	0	0
 Payments Due from Linked Enterprises 	0	0	0	0	0	Debts to Personnel	59	80	87	59	99
	Ü	Ü	Ü	U	· ·	Debts to Insurance	42	51	54	52	69
Payments Due from Clients and	880	831	914	972	1,003	7. Tax Debts	213	251	261	248	179
Suppliers	-				-,	8. Other Short Term Debts	27	129	106	129	126
3. Payments Due on Commercial Loans	20	0	0	0	0	9. Provisions	0	0	0	0	0
Granted incl. Advances						II. Incomes for Future Periods and Finansing	0	0	0	0	0
Juridical and Sentenced Payments Due	0	1	20	68	62	D. Finansing	1.014	0	0	0	0
5. Taxes on Recuperation	84	15	5	0	0	For Long Term Assets	1,814 1,814	0	0	0	0
Other Short Term Payments Due	1	9	4	10	12	For Current Activities	0	0	0	0	0
III. Short Term Finansial Assets	0	0	0	0	0	2:	Ü	Ü	Ü	U	U
Finansial Assets from Linked											
Enterprises	0	0	0	0	0						
2. Bought Back Own Debt Securities	0	0	0	0	0						
Short Term Securities	0	0	0	0	0						
4. Precious Metals and Jewellry	0	0	0	0	0						
Other Short Term Finansial Assets	0	0	0	0	0						
IV. Monetary Sources	1,486	1,549	1,280	832	507						
 Monetary Sources in Cash 	62	12	7	13	17						
Monetary Sources on Bank Deposits	820	719	630	255	180						
2 0 1 1 1 2 2											
Blocked Monetary Reserves Manager Equipments	604	818	643	564	310						
Money Equivalents Expanses on Enture Periods	0	0	0	0	0						
V. Expenses on Future Periods Total	18,058	14.004	13,729	13 371	13,260	Total	18.059	14 004	13 720	13 271	13 260
Source: Ministry of Finance and Ministry of Publ		14,004		13,371	13,200	1.0	18,058	14,004	13,729	13,371	13,260

Total 18,058 14,004 13,729 13,371 13,260 Total

Source: Ministry of Finance and Ministry of Public Works and Regionmal Development.

Table 118 Balance Sheet of Kyustendil WS&S Co. Ltd. - Kyustendil, South West Region (Joint Operating Entetrprise: 51 % State and 49 % Municipality)

Assets	2001	2002	2003	2004	2005	Liabilities	2001	2002	2003	(Unit: 1,0 2004	2005
A. Non Subscribed Capital	0	0	2003	0	2003	A. Own Capital	5,786	3,673	3,610	3,606	3,607
B. Long Term Assets	9,883	7,954	7,684	7,769	8,064	I. Basic Capital	2,372	192	192	192	192
I. Lonng Term Material Assets	9,827	7,930	7,668	7,756	8,050	Subscribed Capital	2,372	192	192	192	192
Buildings, Lands, Forests and Other	9,027	7,930	7,000	7,730		Additional Capital	2,372	0	0	0	0
Permanent Plantations	518	503	n.a.	n.a.	473	II. Reserves	4,057	4,046	4,028	3,994	3,978
Machinery, Works and Equipment	7,230	6,185	n.a.	n.a.	6,804	Emission Premia	0	0	0	0	0,576
Other Long Term Material Assets	642	13	67	58	45	Reserve for Post-Estimate of	U	U	U	U	U
Expenses on Acquisition and	042	13	07	56	7.5	Assets and Liabilities (Pre-	1,134	1,126	1,108	1,074	1,058
Liquidation of Long Term Material	1,437	1,229	600	689	728	Estimate Reserve)	1,154	1,120	1,100	1,074	1,050
Assets	1,157	1,227	000	007	,20	Target Reserve	2,923	2,920	2,920	2,920	2,920
II. Long Term Non Material Assets	56	24	16	13	14	a. General Reserve	2,723	2,720	2,720	2,720	2,720
Expenses on Foundation and						(Additional Reserve)	0	0	0	0	0
Enlargement	0	0	0	0	0	b. Specialized Reserve					
Research Activities Products	4	2	1	1	0	(Reserve by Law)	0	0	0	0	0
Software incl. Patent, License, etc.	27	12	8	5	2	c. Other Reserve	2,923	2,920	2,920	2,920	2,920
Other Long Term Non-Material Assets	21	12	0		-	III. Fianansial Result	-643	-565	-610	-580	-563
4. Other Long Term For Material Assets	25	10	7	7	12	Profit/Loss Accumulated	10	-604	-579	-585	-567
III. Long Term Financial Assets	0	0	0	0	0	a. Non-Divided Profit	10	49	72	106	127
Shares and Stocks	0	0	0	0	0	b. Uncovered Loss	0	-653	-651	-691	-694
Investment Property	0	0	0	0	0	Current Operating Profit/ Loss	U	-033	-031	-071	-054
Other Long Term Securities	0	0	0	0	0	2. Current Operating Front Loss	-653	39	-31	5	4
-	0	0	0	0	0	B. Long Term Liabilities	2,961	3,102	2 102	3,102	3,123
Long Term Payments Due IV. Trade Reputation	0	0	0	0	0	I. Long Term Debts		3,102	3,102 3,102	3,102	3,123
Positive Reputation	0	0	0	0	0	Debts to Linked Enterprises	2,961 0	3,102	3,102	3,102	3,123
	0	0	0	0	0	Debts to Finansial Institutions				3,102	3,102
Negative Reputation Expenses on Future Periods		0			0	Debts on Commercial Loans	2,961	3,102	3,102		
C. Short Term Assets	0	3,927	0	0 5,475	5,944	Taxes Postponed	0	0	0	0	0
I. Short Term Material Assets	3,499 543	3,927 473	4,804 495	5,475	560	Other Long Term Liabilities	0	0	0	0	0 21
							U	U	0	U	21
Materials Production	542	473	495	531	560	II. Incomes for Future Periods and Finansing	0	0	0	0	0
2. Production	0	0	0	0	0	C. Short Term Liabilities	4.055	5.100	5 776	(52 (7 270
3. Goods	1	0	0	0	0	I. Short Term Debts	4,055	5,106	5,776	6,536	7,278
Young and Small Animals and Animals for Meat	0	0	0	0	0		4,049	4,578	5,316	6,130	6,895
						Debts to Linked Enterprises	0	0	10	10	10
5. Non-Finished Production	0	0	0	0	0	Debts to Finansial Institutions Debts to Finansial Institutions	0	0	0	0	0
6. Other Short Term Material Assets	0	0	0	0	0	Debts to Suppliers and Clients	1,681	2,019	2,344	2,539	2,470
II. Short Term Payment Due	2,701	3,212	4,146	4,813	5,276	4. Debts on Commercial Loans	2	0	0	0	0
Payments Due from Linked Enterprises	0	0	0	0	0	5. Debts to Personnel	176	172	126	116	106
						6. Debts to Insurance	359	38	61	57	54
Payments Due from Clients and	2,408	2,700	3,553	3,256	3,044	7. Tax Debts	1,184	1,323	1,345	1,203	1,076
Suppliers		1		,		8. Other Short Term Debts	647	929	1,430	2,205	3,179
3. Payments Due on Commercial Loans	0	0	0	0	0	9. Provisions	0	97	0	0	0
Granted incl. Advances						II. Incomes for Future Periods and	6	528	460	406	383
Juridical and Sentenced Payments Due	222	386	468	1,438	2,115	Finansing					
						D. Finansing	580	0	0	0	0
Taxes on Recuperation	52	106	104	94	90	For Long Term Assets	580	0	0	0	0
Other Short Term Payments Due	19	20	21	25	27	For Current Activities	0	0	0	0	0
III. Short Term Finansial Assets	0	0	0	0	0						
Finansial Assets from Linked	0	0	0	0	0						
Enterprises											
Bought Back Own Debt Securities	0	0	0	0	0						
Short Term Securities	0	0	0	0	0						
 Precious Metals and Jewellry 	0	0	0	0	0						
Other Short Term Finansial Assets	0	0	0	0	0						
IV. Monetary Sources	255	238	163	131	108						
 Monetary Sources in Cash 	57	102	10	3	20						
2. Monetary Sources on Bank Deposits	100	126	1.52	120	0.0						
	198	136	153	128	88						
Blocked Monetary Reserves	0	0	0	0	0						
4. Money Equivalents	0	0	0	0	0						
V. Expenses on Future Periods	0	4	0	0	0						
Total	13,382	11,881	12,488	13,244	14.008	Total	13,382	11,881	12,488	13,244	14,008

Total 13,382 11,881 12,488 13,244 14,008 Total Source: Ministry of Finance and Ministry of Public Works and Regionmal Development.

Table 119 Balance Sheet of Lovech WS&S Co. Ltd. - Lovech, North Central Region (Joint Operating Entetrprise: 51 % State and 49 % Municipality)

A Noe Substribed Capital A Dear Germ Material Assets 1,009 8,544 8,177 7,578 7,615 L. Leang Ferm Material Assets 1,909 8,244 8,177 7,578 7,615 Permanent Plantations 1,577 1,334 n.a. n.a. 1,422 A Machinery, Works and Equipment 2,277 7,085 n.a. n.a. 1,422 A Machinery, Works and Equipment 2,277 7,085 n.a. n.a. 1,422 A Machinery, Works and Equipment 2,277 7,085 n.a. n.a. 1,422 A Expense on Acquisition and Liquid Material Assets 1,172 53 42 35 26 A Expense on Acquisition and Liquid Material Assets 1,172 1,172 1,172 1,172 1,174 A Differ Long Term Material Assets 1,172 1,172 1,174 1,174 A Differ Long Term Material Assets 1,172 1,174 1,174 1,174 A Differ Long Term Material Assets 1,172 1,174 1,174 1,174 1,174 A Differ Long Term Material Assets 1,172 1,174 1	Assets	2001	2002	2003	2004	2005	Liabilities	2001	2002	2003	(Unit: 1,0 2004	200
B. Long Term Ausers												
	•											23
1. Hindrings, Lands, Forests and Other Permanent Paramaters 1.537 1.334 n.u. n.u. 1.422 2. Machinery, Works and Equipment 2.227 7.985 n.u. n.u. 5.325 3. Other Long Ferm Material Assets 1.172 35 42 35 4. Expense on Acquisition and Liquidation of long Term Material Assets 1.172 35 42 374 4. Expense on Foundation and Liquidation of long Term Material Assets 4 13 12 22 1 1. Engrise on Foundation and Liquidation of long Term Material Assets 4 13 12 22 1 1. Expense on Foundation and Liquidation of Hole Patent Licenses, 10 0 0 0 0 2. Research Activities Products 0 0 0 0 0 3. Software for Pleaning Licenses, 10 0 0 0 0 0 4. On Paramath Patent Licenses, 10 0 0 0 0 0 5. Short Term Payemen Dae 0 0 0 0 0 0 6. Other Long Term Scortifies 0 0 0 0 0 0 7. V. Trade Reputation 0 0 0 0 0 0 8. Long Term Payemen Dae 0 0 0 0 0 0 9. Pagniser on Payement Dae 0 0 0 0 0 1. Positive Reputation 0 0 0 0 0 1. Positive Reputation 0 0 0 0 0 2. Regative Reputation 0 0 0 0 0 3. Goods 0 0 0 0 0 0 0 4. Voing a many family and the service of the	•						*					23
Permanent Plantations	•	11,777	0,541	0,173	1,136	7,433	_					23
2		1,537	1,334	n.a.	n.a.	1,423						
3. Other Long Term Material Assets 1,72 53 42 35 26 24 4 Expresses no Acquaintion and Liguidation of Long Term Material Assets 4 13 12 2 1 1 1 1 1 1 1		0.227	7.005			5 (22						
A Expenses on Acquisition and Liquidintino of Long Term Material 3	* * *							0	0	0	0	(
Liquidation of Long Term Material Assets 4 13 12 2 2 1		1,1/2	53	42	33	26		2.022	2.040	2.521	2 277	2.26
Assets Assets 1.1 Long Term Normalized Assets 4 13 12 2 1			60	126	222	274		2,022	2,048	2,521	2,3//	2,26.
I. Long Term Nor Material Assets		63	69	126	223	3/4	· ·					
1. Expenses on Foundation and Ealingement 0					_			3,465	3,936	3,987	4,085	4,274
1. Expenses on Foundation and Findagement Products Products		4	13	12	2	1		0	471	522	620	809
2. Research Activities Products 3. Software in Patent, License, etc. 4. Other Long Term Non-Material Assets 0. 0. 0. 69 10. 10. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0	•	0	0	0	0	0	` '					
2. Research Activities Products 4. Other Long Term Non-Material Assets 5. Software in Platent, License, etc. 4. Other Long Term Non-Material Assets 5. O 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0							•	0	0	0	0	0
4. Other Long Term Non-Material Assets 0						0						
III. Long Term Financial Assets	Software incl. Patent, License, etc.	4	13	12	2	1	c. Other Reserve	3,465	3,465	3,465	3,465	3,465
III. Long Term Financial Assets	 Other Long Term Non-Material Assets 	0	0	0	0	0	III. Fianansial Result	628	102	217	235	207
1. Shares and Stocks		U	U	U	U	· ·	 Profit/Loss Accumulated 	429	0	10	143	114
2. Investment Property 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	III. Long Term Financial Assets	0	0	69	102	163	 a. Non-Divided Profit 	429	0	10	143	114
3. Other Long Term Escurities 0 0 0 69 102 163 4. Long Term Payments Due 0 0 0 0 0 0 1 0 1 1 1 1 1 1 1 1 1 1 1	 Shares and Stocks 	0	0	0	0	0	 b. Uncovered Loss 	0	0	0	0	0
3. Other Long Term Psyments Due 0 0 6 9 102 163 B. Long Term Liabilities 2,370 3,878 3,652 3,406 2.9 IV. Trade Reputation 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Investment Property	0	0	0	0	0	Current Operating Profit/ Loss	100	102	207	0.2	0.2
IV. Trade Reputation	Other Long Term Securities	0	0	0	0	0		199	102	207	92	93
IV. Trade Reputation	 Long Term Payments Due 	0	0	69	102	163	B. Long Term Liabilities	2,370	3,878	3,652	3,406	2,921
1. Positive Reputation	IV. Trade Reputation	0	0	0	0	0	I. Long Term Debts					1,717
2. Negative Reputation 0 0 0 0 0 0 0 0 0 0 0 C. Short Term Assets 1,830 2,085 2,869 2,855 2,735 1. Short Term Material Assets 206 255 230 248 317 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1												(
V. Expenses on Future Periods 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0							_					1,717
C. Short Term Material Assets												1,,,1,
Short Term Material Assets 206 255 230 248 317							**					0
Materials 204 254 229 247 316 2 2 2 2 2 3 3 6 2 2 2 2 2 3 3 6 3 3 3 3 3 3 3		-					_					0
2. Production 0 0 0 0 0 0 0 Finansing 0 1,443 1,297 1,2 Goods 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1							· ·	U	U	U	U	
3. Goods 4. Young and Small Animals and Animals and Animals for Meat 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0								0	1,581	1,443	1,297	1,204
4. Young and Small Animals and Animals and Animals for Meat 0 0 0 0 0 0 0 0 0							*	420	420	500	277	450
Animals for Meat Colorador Colorador		1	1	1	1	1						452
5. Non-Finished Production 1		0	0	0	0	0						452
6. Other Short Term Material Assets 0 0 0 0 0 0 0 0 0 0 0 0 0 1. Expenses on Future Periods 1 2 16 13 16 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0			_	_		_						0
II. Short Term Payment Due		-										0
1. Payments Due from Linked Enterprises 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0												43
2. Payments Due from Clients and Suppliers	II. Short Term Payment Due	1,124	1,002	1,128	1,290	1,509			0	0		C
2. Payments Due from Clients and Suppliers 3. Payments Due on Commercial Loans Granted incl. Advances 4. Juridical and Sentenced Payments Due 35	 Payments Due from Linked Enterprises 	0	0	0	0	0	**	44	51	68	53	136
Suppliers 1,046 944 989 1,004 1,236		U	U	U	U	· ·	Debts to Insurance	48	69	62	66	77
Suppliers 13	Payments Due from Clients and	1.046	044	080	1.004	1 226	7. Tax Debts	194	153	237	139	115
Granted incl. Advances 4. Juridical and Sentenced Payments Due 35 36 135 272 263 5. Taxes on Recuperation 8 18 1 10 7 6. Other Short Term Payments Due 22 4 3 3 4 3 3 III. Short Term Finansial Assets 0 0 0 0 0 0 0 0 1. Finansial Assets from Linked Enterprises 2. Bought Back Own Debt Securities 0 0 0 0 0 0 0 0 4. Precious Metals and Jewellry 0 0 0 0 0 0 0 5. Other Short Term Finansial Assets 0 0 0 0 0 0 0 IV. Monetary Sources 488 812 1,498 1,301 909 1. Monetary Sources in Cash 2. Monetary Sources on Bank Deposits 471 788 1,449 1,289 825 3. Blocked Monetary Reserves 0 0 0 0 0 0 0 0 V. Expenses on Future Periods and Finansing 1. Incomes for Future Periods and Finansing D. For Current Activities 0 0 0 0 0 2. For Current Activities 0 0 0 0 0 2. For Current Activities 0 0 0 0 0 2. For Current Activities 0 0 0 0 0 2. For Current Activities 0 0 0 0 0 2. For Current Activities 0 0 0 0 0 2. For Current Activities 0 0 0 0 0 2. For Current Activities 0 0 0 0 0 2. For Current Activities 0 0 0 0 0 0 2. For Current Activities 0 0 0 0 0 0 2. For Current Activities 0 0 0 0 0 0 2. For Current Activities 0 0 0 0 0 0 2. For Current Activities 0 0 0 0 0 0 2. For Current Activities 0 0 0 0 0 0 2. Fo	Suppliers	1,040	744	707	1,004	1,230	Other Short Term Debts	48	90	65	53	81
A. Juridical and Sentenced Payments Due 4. Juridical and Sentenced Payments Due 5. Taxes on Recuperation 8. 18 1 10 7 6. Other Short Term Payments Due 22 4 3 4 3 4 3 III. Short Term Finansial Assets 0 0 0 0 0 0 1. For Long Term Assets 1,361 0 0 0 2. For Current Activities 0 0 0 0 0 1. For Long Term Assets 1,361 0 0 0 2. For Current Activities 0 0 0 0 0 2. For Current Activities 0 0 0 0 0 1. For Long Term Assets 1,361 0 0 0 2. For Current Activities 0 0 0 0 0 1. For Long Term Assets 1,361 0 0 0 2. For Current Activities 0 0 0 0 0 2. For Current Activities 0 0 0 0 0 2. For Current Activities 0 0 0 0 0 3. Short Term Securities 0 0 0 0 0 0 4. Precious Metals and Jewellry 0 0 0 0 0 0 1. Monetary Sources 488 812 1,498 1,301 909 1. Monetary Sources in Cash 17 24 49 12 21 2. Monetary Sources on Bank Deposits 471 788 1,449 1,289 825 3. Blocked Monetary Reserves 0 0 0 0 0 0 0 4. Money Equivalents 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	3. Payments Due on Commercial Loans	1.2	0	0	0		9. Provisions	0	0	0	0	0
4. Juridical and Sentenced Payments Due 35 36 135 272 263 5. Taxes on Recuperation 8 18 1 10 7 6. Other Short Term Payments Due 22 4 3 3 4 3 III. Short Term Finansial Assets 0 0 0 0 0 0 1. Finansial Assets from Linked Enterprises 2. Bought Back Own Debt Securities 0 0 0 0 0 0 3. Short Term Securities 0 0 0 0 0 0 4. Precious Metals and Jewellry 0 0 0 0 0 0 5. Other Short Term Finansial Assets 0 0 0 0 0 0 IV. Monetary Sources 1 Cash 17 24 49 12 21 2. Monetary Sources on Bank Deposits 4. Money Equivalents 0 0 0 0 0 0 0 Journal of the Short Term Finansial Assets 0 0 0 0 0 0 0 Journal of Term Finansing 1,361 0 0 0 0 Journal of Term Assets 1,361 0 0 0 0 Journal of Term Assets 1,361 0 0 0 0 Journal of Term Assets 1,361 0 0 0 0 Journal of Term Finansial Assets 0 0 0 0 0 0 Journal of Term Finansing 1,361 0 Journal of Term Finansing 1,3	Granted incl. Advances	13	U	U	U	U	II. Incomes for Future Periods and					
5. Taxes on Recuperation 8 18 1 10 7 6. Other Short Term Payments Due 22 4 3 4 3 4 3 III. Short Term Finansial Assets 0 0 0 0 0 0 1. Finansial Assets from Linked Enterprises 2. Bought Back Own Debt Securities 0 0 0 0 0 0 0 3. Short Term Securities 0 0 0 0 0 0 0 4. Precious Metals and Jewellry 0 0 0 0 0 0 0 5. Other Short Term Finansial Assets 0 0 0 0 0 0 0 IV. Monetary Sources in Cash 17 24 49 12 21 2. Monetary Sources on Bank Deposits 471 788 1,449 1,289 825 3. Blocked Monetary Reserves 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	4. Juridical and Sentenced Payments Due	2.5	2.5		252	2.0	Finansing	16	0	0	0	0
5. Taxes on Recuperation		35	36	135	272	263	D. Finansing	1,361	0	0	0	0
6. Other Short Term Payments Due 22 4 3 4 3 4 3 III. Short Term Finansial Assets 0 0 0 0 0 0 0 1	Taxes on Recuperation	8	18	1	10	7	For Long Term Assets		0	0	0	0
III. Short Term Finansial Assets 0 0 0 0 0 0 0 1. Finansial Assets from Linked Enterprises 0 0 0 0 0 0 0 2. Bought Back Own Debt Securities 0 0 0 0 0 0 0 3. Short Term Securities 0 0 0 0 0 0 0 4. Precious Metals and Jewellry 0 0 0 0 0 0 0 5. Other Short Term Finansial Assets 0 0 0 0 0 0 0 IV. Monetary Sources 488 812 1,498 1,301 909 1. Monetary Sources in Cash 17 24 49 12 21 2. Monetary Sources on Bank Deposits 471 788 1,449 1,289 825 3. Blocked Monetary Reserves 0 0 0 0 0 63 4. Money Equivalents 0 0 0 0 0 0 V. Expenses on Future Periods 12 16 13 16 0							-					(
1. Finansial Assets from Linked Enterprises 0 0 0 0 0 0 2. Bought Back Own Debt Securities 0 0 0 0 0 0 3. Short Term Securities 0 0 0 0 0 0 4. Precious Metals and Jewellry 0 0 0 0 0 0 5. Other Short Term Finansial Assets 0 0 0 0 0 0 IV. Monetary Sources 488 812 1,498 1,301 909 1. Monetary Sources in Cash 17 24 49 12 21 2. Monetary Sources on Bank Deposits 471 788 1,449 1,289 825 3. Blocked Monetary Reserves 0 0 0 0 63 4. Money Equivalents 0 0 0 0 0 V. Expenses on Future Periods 12 16 13 16 0	•									•	•	
Enterprises 2. Bought Back Own Debt Securities 0 0 0 0 0 0 3. Short Term Securities 0 0 0 0 0 0 4. Precious Metals and Jewellry 0 0 0 0 0 5. Other Short Term Finansial Assets 0 0 0 0 0 0 IV. Monetary Sources 488 812 1,498 1,301 909 1. Monetary Sources in Cash 17 24 49 12 21 2. Monetary Sources on Bank Deposits 471 788 1,449 1,289 825 3. Blocked Monetary Reserves 0 0 0 0 0 63 4. Money Equivalents 0 0 0 0 0 0 V. Expenses on Future Periods 12 16 13 16 0												
2. Bought Back Own Debt Securities 0 0 0 0 0 0 3. Short Term Securities 0 0 0 0 0 0 4. Precious Metals and Jewellry 0 0 0 0 0 0 5. Other Short Term Finansial Assets 0 0 0 0 0 0 IV. Monetary Sources 488 812 1,498 1,301 909 1. Monetary Sources in Cash 17 24 49 12 21 2. Monetary Sources on Bank Deposits 471 788 1,449 1,289 825 3. Blocked Monetary Reserves 0 0 0 0 63 4. Money Equivalents 0 0 0 0 0 V. Expenses on Future Periods 12 16 13 16 0		0	0	0	0	0						
3. Short Term Securities 0 0 0 0 0 4. Precious Metals and Jewellry 0 0 0 0 0 5. Other Short Term Finansial Assets 0 0 0 0 0 IV. Monetary Sources 488 812 1,498 1,301 909 1. Monetary Sources in Cash 17 24 49 12 21 2. Monetary Sources on Bank Deposits 471 788 1,449 1,289 825 3. Blocked Monetary Reserves 0 0 0 0 63 4. Money Equivalents 0 0 0 0 0 V. Expenses on Future Periods 12 16 13 16 0	*	0	0	0	0							
4. Precious Metals and Jewellry 0	•											
5. Other Short Term Finansial Assets 0 909 1 Nonetary Sources in Cash 17 24 49 12 21 21 21 22 21 22 2		_	_		_	_						
IV. Monetary Sources 488 812 1,498 1,301 909 1. Monetary Sources in Cash 17 24 49 12 21 2. Monetary Sources on Bank Deposits 471 788 1,449 1,289 825 3. Blocked Monetary Reserves 0 0 0 0 63 4. Money Equivalents 0 0 0 0 0 V. Expenses on Future Periods 12 16 13 16 0	-											
1. Monetary Sources in Cash 17 24 49 12 21 2. Monetary Sources on Bank Deposits 471 788 1,449 1,289 825 3. Blocked Monetary Reserves 0 0 0 0 63 4. Money Equivalents 0 0 0 0 0 V. Expenses on Future Periods 12 16 13 16 0												
2. Monetary Sources on Bank Deposits 471 788 1,449 1,289 825 3. Blocked Monetary Reserves 0 0 0 0 63 4. Money Equivalents 0 0 0 0 0 V. Expenses on Future Periods 12 16 13 16 0												
3. Blocked Monetary Reserves 0 0 0 0 0 63 4. Money Equivalents 0 0 0 0 0 V. Expenses on Future Periods 12 16 13 16 0	· · · · · · · · · · · · · · · · · · ·	17	24	49	12	21						
3. Blocked Monetary Reserves 0 0 0 0 63 4. Money Equivalents 0 0 0 0 0 V. Expenses on Future Periods 12 16 13 16 0	Monetary Sources on Bank Deposits	471	789	1.440	1 280	825						
4. Money Equivalents 0 0 0 0 0 0 0 V. Expenses on Future Periods 12 16 13 16 0		4/1	/00	1,449	1,209	823						
4. Money Equivalents 0 0 0 0 0 V. Expenses on Future Periods 12 16 13 16 0	Blocked Monetary Reserves	0	0	0	0	63						
V. Expenses on Future Periods 12 16 13 16 0	*											
						0						
	Total	13,833	10,639	11,123	10,717	10,354	Total	13,833	10,639	11,123	10,717	10,354

Table 120 Balance Sheet of Montana WS&S Co. Ltd. - Montana, North West Region (Joint Operating Entetrprise: 51 % State and 49 % Municipality)

										(Unit: 1,0	000 Levs)
Assets	2001	2002	2003	2004	2005	Liabilities	2001	2002	2003	2004	2005
A. Non Subscribed Capital	0	0	0	0	0	A. Own Capital	14,641	10,586	10,728	10,804	10,862
B. Long Term Assets	15,771	11,616	11,742	11,683	11,695	I. Basic Capital	4,546	467	467	467	467
I. Lonmg Term Material Assets	15,762	11,465	11,615	11,587	11,602	 Subscribed Capital 	4,546	467	467	467	467
 Buildings, Lands, Forests and Other 	1,203	995	n.a.	n.a.	1,238	Additional Capital	0	0	0	0	0
Permanent Plantations	1,203	773	п.а.	п.а.	1,236	II. Reserves	10,015	10,026	10,160	10,205	10,262
Machinery, Works and Equipment	14,045	10,386	n.a.	n.a.	10,276	 Emission Premia 	0	0	0	0	0
Other Long Term Material Assets	451	55	52	47	50	Reserve for Post-Estimate of					
 Expenses on Acquisition and 						Assets and Liabilities (Pre-	230	230	324	321	319
Liquidation of Long Term Material	63	29	21	25	38	Estimate Reserve)					
Assets						Target Reserve	9,785	9,796	9,836	9,884	9,943
II. Long Term Non Material Assets	9	34	17	1	10	 a. General Reserve 	9,785	9,785	9,785	9,827	9,827
 Expenses on Foundation and 	0	0	0	0	0	(Additional Reserve)	9,763	7,703	9,763	9,027	7,027
Enlargement	U	U	U	U	U	 b. Specialized Reserve 	0	0	0	0	0
Research Activities Products	0	0	0	0	0	(Reserve by Law)	U	U	U	U	U
Software incl. Patent, License, etc.	9	34	17	1	10	c. Other Reserve	0	11	51	57	116
4. Other Long Term Non-Material Assets	0	0	0	0	0	III. Fianansial Result	80	93	101	132	133
	0	0	0	0	0	Profit/Loss Accumulated	0	0	6	3	5
III. Long Term Financial Assets	0	0	5	5	5	 a. Non-Divided Profit 	0	0	6	3	5
Shares and Stocks	0	0	0	0	0	 b. Uncovered Loss 	0	0	0	0	0
2. Investment Property	0	0	0	0	0	2. Current Operating Profit/ Loss			0.5		
Other Long Term Securities	0	0	0	0	0	1 0	80	93	95	129	128
Long Term Payments Due	0	0	5	5	5	B. Long Term Liabilities	1,242	1,921	1,791	1,960	1,861
IV. Trade Reputation	0	0	0	0	0	I. Long Term Debts	1,242	1,271	1,173	1,358	1,265
Positive Reputation	0	0	0	0	0	Debts to Linked Enterprises	0	0	0	0	0
Negative Reputation	0	0	0	0	0	Debts to Finansial Institutions	1,242	1,271	1,173	1,095	1,263
V. Expenses on Future Periods	0	117	105	90	78	3. Debts on Commercial Loans	0	0	0	0	0
C. Short Term Assets	1,810	1,678	1,886	2,078	1,998	Taxes Postponed	0	0	0	0	0
I. Short Term Material Assets	696	666	686	683	611	Other Long Term Liabilities	0	0	0	263	2
1. Materials	695	665	686	683	611	II. Incomes for Future Periods and					
2. Production	0	0	0	0	0	Finansing	0	650	618	602	596
3. Goods	1	1	0	0	0	C. Short Term Liabilities	996	787	1,109	997	970
Young and Small Animals and					· ·	I. Short Term Debts	992	786	1,107	994	967
Animals for Meat	0	0	0	0	0	Debts to Linked Enterprises	0	0	0	0	0
Non-Finished Production	0	0	0	0	0	Debts to Finansial Institutions	10	75	165	80	24
Other Short Term Material Assets	0	0	0	0	0	Debts to Suppliers and Clients	197	103	243	269	342
II. Short Term Payment Due	753	842	907	1,286	1,328	Debts on Commercial Loans	0	0	0	0	0
Payments Due from Linked Enterprises	133	042	907	1,200	1,326	Debts to Personnel	267	105	142	154	151
1. Fayments Due from Elliked Eliterprises	0	0	0	0	0	6. Debts to Insurance	124	70	102	96	89
2. Payments Due from Clients and						7. Tax Debts	124	78	116	118	
Payments Due from Clients and Suppliers	231	798	788	976	942	8. Other Short Term Debts					66
**						9. Provisions	268	355	339	277	295
 Payments Due on Commercial Loans Granted incl. Advances 	33	0	0	0	0		0	0	0	0	0
						II. Incomes for Future Periods and Finansing	4	1	2	3	3
Juridical and Sentenced Payments Due	36	32	91	281	358	D. Finansing	702		0		
5 T D	2						702	0	0	0	0
5. Taxes on Recuperation	3	0	0	0	0	For Long Term Assets For Current Activities	702	0	0	0	0
6. Other Short Term Payments Due	450	12	28	29	28	For Current Activities	0	0	0	0	0
III. Short Term Finansial Assets	0	0	0	0	0						
 Finansial Assets from Linked Enterprises 	0	0	0	0	0						
Bought Back Own Debt Securities	0	0	0	0	0						
Short Term Securities	0	0	0	0	0						
 Precious Metals and Jewellry 	0	0	0	0	0						
Other Short Term Finansial Assets	0	0	0	0	0						
IV. Monetary Sources	275	170	293	107	58						
 Monetary Sources in Cash 	4	14	12	5	2						
2. Monetary Sources on Bank Deposits	271	156	281	102	56						
Blocked Monetary Reserves	0	0	0	0	0						
4. Money Equivalents	0	0	0	0	0						
V. Expenses on Future Periods	86	0	0	2	1						
Total	17,581	13,294	13,628	13,761	13,693	Total	17,581	13,294	13,628	13,761	13,693

Total 17,581 13,294 13,628 13,761 13,693 Total

Source: Ministry of Finance and Ministry of Public Works and Regionmal Development.

Table 121 Balance Sheet of Pernik WS&S Co. Ltd. - Pernik, South West Region (Joint Operating Entetrprise: 51 % State and 49 % Municipality)

	•	•		•		otate and 45 % municipanty)				(Unit: 1,0	000 Levs)
Assets	2001	2002	2003	2004	2005	Liabilities	2001	2002	2003	2004	2005
A. Non Subscribed Capital	0	0	0	0	0	A. Own Capital	18,341	13,618	13,492	13,576	13,846
B. Long Term Assets	17,094	12,307	11,524	10,714	10,227	I. Basic Capital	5,249	410	410	410	410
I. Lonmg Term Material Assets	17,061	12,257	11,489	10,691	10,095	 Subscribed Capital 	5,249	410	410	410	410
 Buildings, Lands, Forests and Other 	1,394	1,159	n.a.	n.a.	1,085	Additional Capital	0	0	0	0	0
Permanent Plantations	1,374	1,137	n.a.	п.а.	1,005	II. Reserves	13,074	13,074	13,014	13,036	13,028
Machinery, Works and Equipment	14,094	9,766	n.a.	n.a.	7,576	 Emission Premia 	0	0	0	0	0
Other Long Term Material Assets	339	54	24	13	21	Reserve for Post-Estimate of					
 Expenses on Acquisition and 						Assets and Liabilities (Pre-	3,833	3,764	3,715	3,703	3,695
Liquidation of Long Term Material	1,234	1,278	1,401	1,364	1,413	Estimate Reserve)					
Assets						Target Reserve	9,241	9,310	9,299	9,333	9,333
II. Long Term Non Material Assets	33	29	16	5	26	 a. General Reserve 	831	831	831	831	831
 Expenses on Foundation and 	1	2	2	1	1	(Additional Reserve)	031	031	031	031	051
Enlargement	1	2	2	1	1	 b. Specialized Reserve 	0	0	0	0	0
Research Activities Products	0	0	0	0	0	(Reserve by Law)	U	U	U	U	U
Software incl. Patent, License, etc.	32	27	14	4	5	c. Other Reserve	8,410	8,479	8,468	8,502	8,502
 Other Long Term Non-Material Assets 	0	0	0	0	20	III. Fianansial Result	18	134	68	130	408
	U	U	U	U	20	 Profit/Loss Accumulated 	12	13	0	13	79
III. Long Term Financial Assets	0	5	3	1	95	 Non-Divided Profit 	12	13	0	13	79
 Shares and Stocks 	0	0	0	0	0	 b. Uncovered Loss 	0	0	0	0	0
Investment Property	0	0	0	0	0	Current Operating Profit/ Loss	6	121	60	117	220
Other Long Term Securities	0	0	0	0	0		0	121	68	117	329
 Long Term Payments Due 	0	5	3	1	95	B. Long Term Liabilities	1,812	2,198	2,011	1,928	1,707
IV. Trade Reputation	0	0	0	0	0	I. Long Term Debts	1,812	1,911	1,767	1,712	1,514
Positive Reputation	0	0	0	0	0	Debts to Linked Enterprises	0	0	0	0	0
Negative Reputation	0	0	0	0	0	Debts to Finansial Institutions	1,812	1,911	1,742	1,618	1,514
V. Expenses on Future Periods	0	16	16	17	11	 Debts on Commercial Loans 	0	0	0	0	
C. Short Term Assets	4,457	5,021	6,279	7,294	8,479	Taxes Postponed	0	0	0	91	0
I. Short Term Material Assets	288	289	291	298	373	Other Long Term Liabilities	0	0	25	3	0
1. Materials	288	289	291	298	373	II. Incomes for Future Periods and					
2. Production	0	0	0	0	0	Finansing	0	287	244	216	193
3. Goods	0	0	0	0	0	C. Short Term Liabilities	1,093	1,512	2,300	2,504	3,153
Young and Small Animals and						I. Short Term Debts	1,093	1,512	2,300	2,504	3,153
Animals for Meat	0	0	0	0	0	Debts to Linked Enterprises	0	0	0	0	23
5. Non-Finished Production	0	0	0	0	0	Debts to Finansial Institutions	0	0	0	0	0
Other Short Term Material Assets	0	0	0	0	0	Debts to Suppliers and Clients	261	99	140	66	174
II. Short Term Payment Due	3,954	4,476	5,655	6,470	7,751	Debts on Commercial Loans	0	0	0	0	0
Payments Due from Linked Enterprises						5. Debts to Personnel	138	161	37	26	202
1. Taymonts Due from Emixed Emerprises	0	0	0	0	0	6. Debts to Insurance	35	55	58	74	139
2. Payments Due from Clients and						7. Tax Debts	622	1,111	1,804	73	102
Suppliers	2,743	3,278	4,089	3,863	3,770	8. Other Short Term Debts	37	86	88	2,046	2,513
Payments Due on Commercial Loans						9. Provisions	0	0	173	2,040	2,313
Granted incl. Advances	5	0	0	0	0	II. Incomes for Future Periods and	U	U	1/3	219	U
Juridical and Sentenced Payments Due						Finansing	0	0	0	0	0
4. Juridical and Sentenced Payments Due	1,010	1,053	1,469	2,465	3,463	D. Finansing	205	0	0	0	0
5 Tayon on Documentian	126	117	0.2	100	510	_	305 299	0	0	0	0
5. Taxes on Recuperation	136	117	83	109	518	For Long Term Assets For Current Activities			0	0	0
6. Other Short Term Payments Due	60	28	14	33	0	2. For Current Activities	6	0	0	0	0
III. Short Term Finansial Assets	0	0	0	0	0						
Finansial Assets from Linked	0	0	0	0	0						
Enterprises	_				_						
Bought Back Own Debt Securities	0	0	0	0	0						
3. Short Term Securities	0	0	0	0	0						
Precious Metals and Jewellry	0	0	0	0	0						
Other Short Term Finansial Assets	0	0	0	0	0						
IV. Monetary Sources	155	221	298	492	311						
 Monetary Sources in Cash 	11	16	16	14	33						
Monetary Sources on Bank Deposits	144	205	282	478	278						
Blocked Monetary Reserves	0	0	0	0	0						
Money Equivalents	0	0	0	0	0						
V. Expenses on Future Periods	60	35	35	34	44						
Total	21,551	17,328	17,803	18,008	18,706	Total	21,551	17,328	17,803	18,008	18,706
	,	,520	,000	,000	,,,,,,	1	,	,520	,000	,000	,,,,,,

Source: Ministry of Finance and Ministry of Public Works and Regionmal Development.

Table 122 Balance Sheet of Rousse WS&S Co. Ltd. - Rousse, North Central Region (Joint Operating Entetrprise: 51 % State and 49 % Municipality)

	(-	9			State and 43 % Municipality)				(Unit: 1,0	000 Levs)
Assets	2001	2002	2003	2004	2005	Liabilities	2001	2002	2003	2004	2005
A. Non Subscribed Capital	0	0	0	0	0	A. Own Capital	15,397	10,495	14,718	14,721	14,046
B. Long Term Assets	17,975	12,985	16,474	15,996	15,800	I. Basic Capital	5,387	402	402	402	402
I. Lonmg Term Material Assets	17,955	12,916	16,426	15,937	15,752	Subscribed Capital	5,387	402	402	402	402
Buildings, Lands, Forests and Other	753	663	n.a.	n.a.	906	Additional Capital	0	0	0	0	0
Permanent Plantations						II. Reserves	9,808	9,793	13,785	13,698	9,637
2. Machinery, Works and Equipment	12,532	12,154	n.a.	n.a.	14,693	Emission Premia Premission Premission Premission Premission	0	0	0	0	0
Other Long Term Material Assets European on Acquisition and	1,492	56	57	47	44	 Reserve for Post-Estimate of Assets and Liabilities (Pre- 	1.540	1.547	5 551	5 477	1.416
Expenses on Acquisition and Liquidation of Long Term Material	3,178	43	14	37	109	Estimate Reserve)	1,549	1,547	5,551	5,477	1,416
Assets	3,176	43	14	37	109	Target Reserve	8,259	8,246	8,234	8,221	8,221
II. Long Term Non Material Assets	20	69	48	59	48	a. General Reserve	6,239	0,240	0,234	0,221	0,221
Expenses on Foundation and						(Additional Reserve)	0	0	0	0	0
Enlargement	0	3	2	2	0	b. Specialized Reserve					
Research Activities Products	0	0	0	0	0	(Reserve by Law)	0	0	0	0	0
Software incl. Patent, License, etc.	20	48	31	37	23	c. Other Reserve	8,259	8,246	8,234	8,221	8,221
4. Other Long Term Non-Material Assets	0	10	1.5	20	25	III. Fianansial Result	202	300	531	621	4,007
	0	18	15	20	25	Profit/Loss Accumulated	117	131	241	455	3,815
III. Long Term Financial Assets	0	0	0	0	0	 a. Non-Divided Profit 	117	131	241	455	3,815
 Shares and Stocks 	0	0	0	0	0	 b. Uncovered Loss 	0	0	0	0	0
Investment Property	0	0	0	0	0	Current Operating Profit/ Loss	85	169	290	166	192
Other Long Term Securities	0	0	0	0	0		65	109	290	100	192
Long Term Payments Due	0	0	0	0	0	B. Long Term Liabilities	3,787	5,043	4,679	4,077	4,161
IV. Trade Reputation	0	0	0	0	0	I. Long Term Debts	3,787	4,181	3,884	3,346	3,490
Positive Reputation	0	0	0	0	0	Debts to Linked Enterprises	0	0	0	0	0
Negative Reputation	0	0	0	0	0	Debts to Finansial Institutions	3,787	4,181	3,884	3,346	3,019
V. Expenses on Future Periods	0	0	0	0	0	Debts on Commercial Loans	0	0	0	0	0
C. Short Term Assets	3,269	3,865	4,420	4,054	4,188	4. Taxes Postponed	0	0	0	0	0
I. Short Term Material Assets	692	1,047	1,557	2,285	1,440	5. Other Long Term Liabilities	0	0	0	0	471
1. Materials	692	1,047	1,552	2,280	1,433	II. Incomes for Future Periods and Finansing	0	862	795	731	671
 Production Goods 	0	0	0	0	0	C. Short Term Liabilities	1.525	1 212	1 407	1.252	1 701
 Goods Young and Small Animals and 	0	Ü	0	U	U	I. Short Term Debts	1,525	1,312	1,497	1,252	1,781
Animals for Meat	0	0	0	0	0	Debts to Linked Enterprises	1,525 0	1,312 0	1,497 0	1,252 0	1,781 0
Non-Finished Production	0	0	5	5	7	Debts to Finansial Institutions	8	0	0	0	272
Other Short Term Material Assets	0	0	0	0	0	Debts to Suppliers and Clients	283	181	146	120	147
II. Short Term Payment Due	745	650	764	831	1,161	Debts on Commercial Loans	0	0	0	0	0
Payments Due from Linked Enterprises						Debts to Personnel	349	300	314	368	315
,	0	0	0	0	0	Debts to Insurance	95	89	149	180	173
2. Payments Due from Clients and						7. Tax Debts	101	66	133	106	485
Suppliers	667	583	554	685	630	Other Short Term Debts	689	676	755	478	389
3. Payments Due on Commercial Loans	12	0	0	0	0	9. Provisions	0	0	0	0	0
Granted incl. Advances	12	U	U	0	U	II. Incomes for Future Periods and	0	0	0	0	0
 Juridical and Sentenced Payments Due 	3	23	142	78	175	Finansing	U	U	U	U	U
	,		172	70	173	D. Finansing	535	0	0	0	0
Taxes on Recuperation	36	39	66	51	1	For Long Term Assets	535	0	0	0	0
Other Short Term Payments Due	27	5	2	17	355	For Current Activities	0	0	0	0	0
III. Short Term Finansial Assets	0	500	0	0	0						
Finansial Assets from Linked Enterprises	0	0	0	0	0						
Bought Back Own Debt Securities	0	0	0	0	0						
Short Term Securities	0	500	0	0	0						
 Precious Metals and Jewellry 	0	0	0	0	0						
Other Short Term Finansial Assets	0	0	0	0	0						
IV. Monetary Sources	1,573	1,539	2,003	789	1,567						
 Monetary Sources in Cash 	40	17	15	15	17						
Monetary Sources on Bank Deposits	1,533	1,522	1,988	774	1,279						
3. Blocked Monetary Reserves	0	0	0	0	271						
Money Equivalents	0	0	0	0	0						
V. Expenses on Future Periods	259	129	96	149	20						
Total	21,244	16,850	20,894	20,050	19,988	Total	21,244	16,850	20,894	20,050	19,988
Source: Ministry of Finance and Ministry of Publ		1.0	1.0	1 -		· -					

Table 123 Balance Sheet of Shoumen WS&S Co. Ltd. - Shoumen, North East Region (Joint Operating Entetrprise: 51 % State and 49 % Municipality)

Assets		(-	9			State and 43 % Municipality)				(Unit: 1,0	000 Levs)
B. Long Term Assers	Assets	2001	2002	2003	2004	2005	Liabilities	2001	2002	2003		
L. Companier Perm Material Assets 1,70	A. Non Subscribed Capital	0	0	0	0	0	A. Own Capital	16,516	11,769	12,461	11,944	11,686
1. Includings, Lands, Footests and Other Permanent Planethantions 1,10 1,	B. Long Term Assets	17,769	12,292	12,108	22,032	21,062	I. Basic Capital	5,263	487	487	487	487
Permanener Plantantiones	I. Lonmg Term Material Assets	17,706	12,250	12,086	11,344	10,914	 Subscribed Capital 	5,263	487	487	487	487
Permanent rantamentos Perm		814	581	n a	n a	913						
1. One Long Term Material Assets 1. One 1									,	,		
A. Expanses on Acquisition and Liapidition of Long Term Mierrial 2,177 2,166 2,282 19.88 1,016 3,486 3,487 8,212 1,016 1								0	0	0	0	0
Lingulation of Long Term Material Assets 2,177 2,166 2,282 1,988 1,016 Assets 1,106 Assets 1,107 Assets		814	15	10	10	13		•	• • • •	2.426	• • • •	• • • •
Ansers Ansers		0.177	2.166	2 202	1.000	1.016		2,809	2,801	3,436	2,919	2,904
I. Lagner Form Nom Material Assets 63 42 22 10.688 10.148		2,1//	2,100	2,282	1,988	1,016	2 Tana d Barrana	0.425	0.411	0.467	0.475	0.212
1. Inspenses on Foundation and Enginement Products 1. September 1 1.		62	12	22	10.699	10 149		8,425	8,411	8,467	8,475	8,212
Enlargement							1	8,281	136	195	207	228
2. Research Activities Products	*	0	0	0	10,684	10,142	` · · · · · · · · · · · · · · · · · · ·					
3. Software mel. Patent, License, etc. 63 42 22 4 6 4. Other Long Term Non-Material Assets 0 0 0 0 0 0 0 0 0	•	0	0	0	0	0		144	0	0	0	0
1.								0	8 275	8 272	8 268	7 984
III. Long Term Financial Assets 0												
1. Shares and Stocks	č	0	0	0	0	0						
2. Investment Property 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	III. Long Term Financial Assets	0	0	0	0	0	a. Non-Divided Profit	0	0	0	0	0
3. Other Long Term Securities 0 0 0 0 0 0 0 0 0	 Shares and Stocks 	0	0	0	0	0	 b. Uncovered Loss 	0	0	0	0	0
3. Other Long Term Payments Due 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Investment Property	0	0	0	0	0	Current Operating Profit/ Loss	10	70	71	62	02
I. Long Term Debtes 2,609 2,296 2,008 2,414 2,198	Other Long Term Securities	0	0	0	0	0		19	70	/1	03	83
1. Positive Reputation	Long Term Payments Due	0	0	0	0	0	B. Long Term Liabilities	2,609	2,906	2,568	13,636	12,272
Negative Reputation	IV. Trade Reputation	0	0	0	0	0	I. Long Term Debts	2,609	2,296	2,008	2,441	2,198
V. Expenses on Future Periods 0	*											0
C. Short Term Material Assets 493 43,9 8 3,981 4,310 4,164 4,636 4,639 I. Short Term Material Assets 493 439 382 382 370 5. Other Long Term Liabilities 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0						0			2,296	2,008	1,918	1,666
Short Term Material Assets	1											
Materials		,		-			· ·					
Production								0	0	0	0	0
3. Goods 4. Young and Small Animals and Animals and Animals for Meat 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0								0	610	560	11,195	10,074
1. Short Term Debts							· ·	1.077	1.027	1.242	1.000	1.742
Animals for Meat Animals for Meat Non-Finished Production Non-Finish		3	0	2	3	3						
S. Non-Finished Production		0	0	0	0	0						
1. Short Term Payments Due 3,397 3,455 3,516 3,515 3,409 1. Payments Due from Linked Enterprises 2,315 2,806 3,191 2,657 2,508 2,508 2,508 2,508 2,508 2,508 2,508 2,508 2,508 2,508 2,508 2,508 2,508 2,508 2,508 2,508 2,508 2,508 2,508		0	0	0	0	0	· ·					
II. Short Term Payment Due 3,397 3,455 3,566 3,515 3,409 1. Payments Due from Linked Enterprises 0												
1. Payments Due from Linked Enterprises 2. Payments Due from Clients and Suppliers 3. Payments Due on Commercial Loans Granted incl. Advances 4. Juridical and Sentenced Payments Due 5. Taxes on Recuperation 6. Debts to Insurance 7. Taxa Debts 7. Taxa De												
2. Payments Due from Clients and Suppliers 2,315 2,806 3,191 2,657 2,508 Suppliers 3. Payments Due on Commercial Loans Granted incl. Advances 6 8 8 89 93 116 160 267 104 Suppliers 5 93 318 400 267 104 Suppliers 6 99 Provisions 6 90 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	•											
Suppliers Supp	,	0	0	0	0	0						
Suppliers Supp	2. Payments Due from Clients and	0.215	2.006	2.101	2.657	2.500	7. Tax Debts	333	318	400	267	104
Granted incl. Advances Granted incl. Advan	Suppliers	2,315	2,806	3,191	2,65 /	2,508	Other Short Term Debts	593	93	124	152	198
A Juridical and Sentenced Payments Due 1,057 605 275 777 838	3. Payments Due on Commercial Loans	0	0	0	0	0	9. Provisions	0	0	0	0	0
A. Juridical and Sentenced Payments Due 1,057 605 275 777 838 5. Taxes on Recuperation 19 31 74 54 52 6. Other Short Term Payments Due 6 13 16 27 11 11 11 11 11 12 16,002 16,272 16,602 16,272 26,668 25,701 10 10 10 10 10 10 10	Granted incl. Advances	U	U	U	U	U		0	0	0	0	550
Definansing Section	 Juridical and Sentenced Payments Due 	1.057	605	275	777	838	· ·	Ü	Ü	U	U	330
6. Other Short Term Payments Due 6 13 16 27 111 III. Short Term Finansial Assets 0 0 0 0 0 0 0 0 1 1. Finansial Assets from Linked Enterprises 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		,					-					
III. Short Term Finansial Assets 0 0 0 0 0 0 0 0 1 1. Finansial Assets from Linked Enterprises 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0												
1. Finansial Assets from Linked Enterprises 2. Bought Back Own Debt Securities 3. Short Term Securities 4. Precious Metals and Jewellry 5. Other Short Term Finansial Assets 6. 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	,						For Current Activities	0	0	0	0	0
Enterprises 2. Bought Back Own Debt Securities 0 0 0 0 0 0 0 3. Short Term Securities 0 0 0 0 0 0 4. Precious Metals and Jewellry 0 0 0 0 0 5. Other Short Term Finansial Assets 0 0 0 0 0 IV. Monetary Sources 1. Monetary Sources in Cash 2. Monetary Sources on Bank Deposits 50 278 162 565 716 3. Blocked Monetary Reserves 0 0 0 0 0 4. Money Equivalents 0 0 0 0 0 0 V. Expenses on Future Periods 21,752 16,602 16,272 26,668 25,701		0	0	0	0	0						
2. Bought Back Own Debt Securities 0		0	0	0	0	0						
3. Short Term Securities 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	•	0	0	0	0							
4. Precious Metals and Jewellry 0	•											
5. Other Short Term Finansial Assets 0 0 0 0 0 0 10												
IV. Monetary Sources 73 393 214 666 782 1. Monetary Sources in Cash 23 115 52 101 66 2. Monetary Sources on Bank Deposits 50 278 162 565 716 3. Blocked Monetary Reserves 0 0 0 0 0 4. Money Equivalents 0 0 0 0 0 V. Expenses on Future Periods 20 23 12 73 78 Total 21,752 16,602 16,272 26,668 25,701												
1. Monetary Sources in Cash 23 115 52 101 66 2. Monetary Sources on Bank Deposits 50 278 162 565 716 3. Blocked Monetary Reserves 0 0 0 0 0 4. Money Equivalents 0 0 0 0 0 V. Expenses on Future Periods 20 23 12 73 78 Total 21,752 16,602 16,272 26,668 25,701 Total Total 21,752 16,602 16,272 26,668 25,701												
2. Monetary Sources on Bank Deposits 50 278 162 565 716 3. Blocked Monetary Reserves 0 0 0 0 0 4. Money Equivalents 0 0 0 0 0 V. Expenses on Future Periods 20 23 12 73 78 Total 21,752 16,602 16,272 26,668 25,701	*											
S0 2/8 162 565 716												
4. Money Equivalents 0 0 0 0 0 V. Expenses on Future Periods 20 23 12 73 78 Total 21,752 16,602 16,272 26,668 25,701 Total 21,752 16,602 16,272 26,668 25,701	,	50	278	162	565	716						
4. Money Equivalents 0 0 0 0 0 V. Expenses on Future Periods 20 23 12 73 78 Total 21,752 16,602 16,272 26,668 25,701 Total 21,752 16,602 16,272 26,668 25,701	3. Blocked Monetary Reserves	0	0	0	0	0						
V. Expenses on Future Periods 20 23 12 73 78 Total 21,752 16,602 16,272 26,668 25,701 Total 21,752 16,602 16,272 26,668 25,701	•											
=		20	23	12	73	78						
	Total	21,752	16,602	16,272	26,668	25,701	Total	21,752	16,602	16,272	26,668	25,701

Table 124 Balance Sheet of Silistra WS&S Co. Ltd. - Silistra, North East Region (Joint Operating Entetrprise: 51 % State and 49 % Municipality)

Assest			(00	- po. u.	9 =	o p o .	,	State and 45 % Municipanty)				(Unit: 1,0	00 Levs)
R. Longer frem Material Assets 8,66 6,10 6,16 6,10 6,		Assets	2001	2002	2003	2004	2005	Liabilities	2001	2002			
L. Description L. D	A. Non	Subscribed Capital	0	0	0	0	0	A. Own Capital	7,646	5,040	5,252	5,335	5,389
1. Buildings, Lands, Forensi and Other Perminance Hartintons 415 356 n.a n.a 5.155 1. Members, Works and Equipment 4.158 2.79 7 3 3.14 4. Members, Works and Equipment 4.159 7 3 3.14 4. Members 4.159 4. Members 4.159 4. Members 4.159 4. Members 4.159 4. Members 4. Members 4.159 4. Members 4.159 4. Members 4.159 4. Members 4. Members 4.159 4. Members 4. Members 4.159 4. Members 4	B. Long	Term Assets	8,476	6,197	6,168	6,197	5,852	I. Basic Capital	2,823	192	192	192	192
Permanent Plantations 45 508	I. Loi	nmg Term Material Assets	8,467	6,194	6,168	6,197	5,838	 Subscribed Capital 	2,823	192	192	192	192
2. Machemery, works and Equipment 6,484 5,799 n. n. n. n. n. 1,795 4,795 5,000 5,000 5,000 1,000	1.	Buildings, Lands, Forests and Other	115	256			525	Additional Capital	0	0	0	0	0
3. Other Long Term Material Assets 2,99 7 3 3 4		Permanent Plantations	443	330	n.a.	II.a.	333	II. Reserves	4,793	4,794	5,033	5,000	5,024
Assertion Acquisition and 1239 72 76 555 134	2.	Machinery, Works and Equipment	6,484	5,759	n.a.	n.a.	5,165	 Emission Premia 	0	0	0	0	0
Laquation of Long Term Material 1,239 72 76 75 134 Assets 134 A	3.	Other Long Term Material Assets	299	7	3	3	4						
Authors 10 fool print material Assets 1	4.	Expenses on Acquisition and							1,489	1,488	1,708	1,655	1,655
II. Long Term Non Material Assets 1			1,239	72	76	555	134	Estimate Reserve)					
Expenses on Foundation and Expenses on Foundation and Enlargements Products 0		Assets						Target Reserve	3,304	3,306	3,325	3,345	3,369
Expenses on Foundation and Faderi, License, etc. 0	II. Lo	ong Term Non Material Assets	9	3	0	0	14		0	0	0	0	0
Research Activities Products Court Research Activities Products Court Research Activities Products Court Research Activities Products Court Research Resea	1.	•	0	0	0	0	0	, , , , , , , , , , , , , , , , , , , ,	Ü	U	U	U	Ü
S. Soltware mol Patient, License, etc. 9		Enlargement	Ü	Ü	v	Ü			0	0	0	0	0
Mill	2.								Ů	v	Ü	· ·	v
III. Long Term Financial Assets			9	3	0	0	1						
III. Long Term Financial Assets	4.	Other Long Term Non-Material Assets	0	0	0	0	13						
1. Shares and Slocks 0													
2 Investment Property 0 0 0 0 0 0 0 0 0		=											
3. Other Long Term Psyments Due 4. Long Term Psyments Due 5. IV. Trade Reputation 6. O 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0									0	0	-15	0	0
A. Long Term Payments Due 0								Current Operating Profit/ Loss	28	51	42	57	85
IV. Trade Reputation													
Positive Reputation		,						The state of the s					
Negative Reputation		•											
V. Expenses on Future Periods 0 5. 0 <th< td=""><td></td><td>•</td><td></td><td></td><td></td><td></td><td></td><td>_</td><td></td><td></td><td></td><td></td><td></td></th<>		•						_					
C. Short Term Material Assets													
1. Naterial Assets 1,204 439 569 582 898 1. Materials 692 439 569 582 898 2. Production 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0								**					
Materials								_					
2. Production 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0									0	0	87	3	0
Second									0	0	393	297	263
4. Young and Small Animals and Animals and Animals for Meat 5. Non-Finished Production 512 6. Other Short Term Material Assets 6. Other Short Term Payment Due 1,283 1,325 1,799 1,669 1,678 1, Payments Due from Linked Enterprises 6. Other Short Term Payment Due 1,283 2, Payments Due from Clients and Suppliers 2, Payments Due on Commercial Loans Granted incl. Advances 6. Other Short Term Payments Due 7, Tax Debts 8, Other Short Term Debts 1,138 1,138 1,270 1,394 1,464 1,325 1,394 1,464 1,325 3, Payments Due on Commercial Loans Granted incl. Advances 6, Other Short Term Debts 9, Provisions 9, Provisions 1, Tax Debts 8, Other Short Term Debts 1, Tax													
Animals for Meat Animals file file for boths to Suppliers and Clients Animals file for boths of Suppliers Animals and Clients By Dobs of Commercial Loans Commercial Loans Animals for Meat Animals for Meat Animals file for boths on Suppliers Animals file for boths			0	0	0	0	0		,				
5. Non-Finished Production 512 0 2 2 3 6. Other Short Term Material Assets 0 0 26 0 0 II. Short Term Payment Due 1,283 1,325 1,799 1,669 1,678 1. Payments Due from Linked Enterprises 0 <	4.		0	0	0	0	0						
6. Other Short Term Material Assets 0 0 26 0 0 1,688 II. Short Term Payment Due 1,283 1,325 1,799 1,669 1,678 1. Payments Due from Linked Enterprises 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	_							1					
II. Short Term Payment Due 1,283 1,325 1,799 1,669 1,678 1. Payments Due from Linked Enterprises 0 0 0 0 0 0 0 2. Payments Due from Clients and Suppliers 1,138 1,270 1,394 1,464 1,323 3. Payments Due on Commercial Loans Granted incl. Advances 0 0 0 0 0 4. Juridical and Sentenced Payments Due 92 32 177 192 354 5. Taxes on Recuperation 13 15 171 111 0 0 0 0 0 6. Other Short Term Payments Due 40 8 57 2 1 III. Short Term Finansial Assets 0 0 0 0 0 0 6. Enterprises 2 Bought Back Own Debt Securities 0 0 0 0 0 0 7. Payments Due en Commercial Loans Granted incl. Advances 11 0 0 0 0 8. Other Short Term Debts 85 178 384 429 483 9. Provisions 0 96 43 28 10 10. Incomes for Future Periods and Finansing 328 0 0 0 0 0 10. Finansial Assets 0 0 0 0 0 0 11. Finansial Assets from Linked Enterprises 0 0 0 0 0 0 12. For Long Term Assets 39 0 0 0 0 0 13. Short Term Securities 0 0 0 0 0 0 14. Monetary Sources in Cash 28 14 10 16 14 25. Debts to Presonnel 140 153 159 179 213 180 25. Debts to Presonnel 140 153 159 179 213 180 27. Tax Debts 80 Other Short Term Debts 80 45 87 38 8. Other Short Term Debts 85 178 384 429 483 18. Other Short Term Debts 80 0 0 0 0 19. Finansing 328 0 0 0 0 0 10. For Long Term Assets 289 0 0 0 0 0 20. Finansing 328 0 0 0 0 0													
1. Payments Due from Linked Enterprises													
2. Payments Due from Clients and Suppliers		•	1,283	1,325	1,/99	1,669	1,6/8						
2. Payments Due from Clients and Suppliers	1.	Payments Due from Linked Enterprises	0	0	0	0	0	**					
Suppliers	2	December Deve from Clientes and											
3. Payments Due on Commercial Loans Granted incl. Advances	۷.		1,138	1,270	1,394	1,464	1,323						
Granted incl. Advances 4. Juridical and Sentenced Payments Due 92 32 177 192 354 5. Taxes on Recuperation 13 15 171 11 0 6. Other Short Term Payments Due 40 8 57 2 1 III. Short Term Finansial Assets 0 0 0 0 0 0 1. Finansial Assets from Linked Enterprises 2. Bought Back Own Debt Securities 0 0 0 0 0 0 3. Short Term Securities 0 0 0 0 0 0 4. Precious Metals and Jewellry 0 0 0 0 0 0 5. Other Short Term Finansial Assets 0 0 0 0 0 0 1V. Monetary Sources 1 Monetary Sources 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	2							**					
4. Juridical and Sentenced Payments Due 92 32 177 192 354 5. Taxes on Recuperation 13 15 171 11 0 6. Other Short Term Payments Due 40 8 57 2 1 III. Short Term Finansial Assets 0 0 0 0 0 1. Finansial Assets from Linked Enterprises 2. Bought Back Own Debt Securities 0 0 0 0 0 0 3. Short Term Securities 0 0 0 0 0 0 4. Precious Metals and Jewellry 0 0 0 0 0 0 1V. Monetary Sources 99 251 192 152 163 1. Monetary Sources in Cash 2. Monetary Sources on Bank Deposits 70 237 182 136 149 3. Blocked Monetary Reserves 1 0 0 0 0 0 0 4. Money Equivalents 0 0 0 0 0 0 5. Expenses on Future Periods 11 41 27 22 0	3.		0	0	0	0	0		U	96	43	28	10
Section Sect	4								388	438	26	26	21
5. Taxes on Recuperation 13 15 171 11 0 6. Other Short Term Payments Due 40 8 57 2 1 III. Short Term Finansial Assets 0 0 0 0 0 1. Finansial Assets from Linked Enterprises 0 0 0 0 0 2. Bought Back Own Debt Securities 0 0 0 0 0 3. Short Term Securities 0 0 0 0 4. Precious Metals and Jewellry 0 0 0 0 5. Other Short Term Finansial Assets 0 0 0 0 1. Monetary Sources 99 251 192 152 163 1. Monetary Sources in Cash 28 14 10 16 14 2. Monetary Sources on Bank Deposits 70 237 182 136 149 3. Blocked Monetary Reserves 1 0 0 0 0 4. Money Equivalents 0 0 0 0 0 V. Expenses on Future Periods 11 41 27	4.	Julidical and Sentenced Fayments Due	92	32	177	192	354	· ·	220	0	0	0	0
6. Other Short Term Payments Due	5	Taxes on Recumeration	12	15	171	1.1	0	-					
III. Short Term Finansial Assets 0 0 0 0 0 0 0 1. Finansial Assets from Linked Enterprises 0 0 0 0 0 0 0 2. Bought Back Own Debt Securities 0 0 0 0 0 0 0 3. Short Term Securities 0 0 0 0 0 0 0 4. Precious Metals and Jewellry 0 0 0 0 0 0 5. Other Short Term Finansial Assets 0 0 0 0 0 0 IV. Monetary Sources 99 251 192 152 163 1. Monetary Sources in Cash 28 14 10 16 14 2. Monetary Sources on Bank Deposits 70 237 182 136 149 3. Blocked Monetary Reserves 1 0 0 0 0 0 0 4. Money Equivalents 0 0 0 0 0 0 V. Expenses on Future Periods 11 41 27 22 0								-					
1. Finansial Assets from Linked Enterprises 0 0 0 0 0 0 2. Bought Back Own Debt Securities 0 0 0 0 0 3. Short Term Securities 0 0 0 0 0 4. Precious Metals and Jewellry 0 0 0 0 0 5. Other Short Term Finansial Assets 0 0 0 0 0 IV. Monetary Sources 99 251 192 152 163 1. Monetary Sources in Cash 28 14 10 16 14 2. Monetary Sources on Bank Deposits 70 237 182 136 149 3. Blocked Monetary Reserves 1 0 0 0 0 4. Money Equivalents 0 0 0 0 0 V. Expenses on Future Periods 11 41 27 22 0		•						Z. Tor current retrines	37	U	U	U	U
Enterprises			U	U	U	U							
2. Bought Back Own Debt Securities 0 0 0 0 0 3. Short Term Securities 0 0 0 0 0 4. Precious Metals and Jewellry 0 0 0 0 0 5. Other Short Term Finansial Assets 0 0 0 0 0 IV. Monetary Sources 99 251 192 152 163 1. Monetary Sources in Cash 28 14 10 16 14 2. Monetary Sources on Bank Deposits 70 237 182 136 149 3. Blocked Monetary Reserves 1 0 0 0 0 4. Money Equivalents 0 0 0 0 0 V. Expenses on Future Periods 11 41 27 22 0	1.		0	0	0	0	0						
3. Short Term Securities 0 0 0 0 0 4. Precious Metals and Jewellry 0 0 0 0 0 5. Other Short Term Finansial Assets 0 0 0 0 0 IV. Monetary Sources 99 251 192 152 163 1. Monetary Sources in Cash 28 14 10 16 14 2. Monetary Sources on Bank Deposits 70 237 182 136 149 3. Blocked Monetary Reserves 1 0 0 0 0 4. Money Equivalents 0 0 0 0 0 V. Expenses on Future Periods 11 41 27 22 0	2	*	0	0	0	0	0						
4. Precious Metals and Jewellry 0 0 0 0 0 5. Other Short Term Finansial Assets 0 0 0 0 0 IV. Monetary Sources 99 251 192 152 163 1. Monetary Sources in Cash 28 14 10 16 14 2. Monetary Sources on Bank Deposits 70 237 182 136 149 3. Blocked Monetary Reserves 1 0 0 0 0 4. Money Equivalents 0 0 0 0 0 V. Expenses on Future Periods 11 41 27 22 0		•											
5. Other Short Term Finansial Assets 0 0 0 0 0 0 10 10 10 10 152 163 152 163 152 163 152 163 14 10 16 14 14 14 22 Monetary Sources on Bank Deposits 70 237 182 136 149													
IV. Monetary Sources 99 251 192 152 163 1. Monetary Sources in Cash 28 14 10 16 14 2. Monetary Sources on Bank Deposits 70 237 182 136 149 3. Blocked Monetary Reserves 1 0 0 0 0 4. Money Equivalents 0 0 0 0 V. Expenses on Future Periods 11 41 27 22 0													
1. Monetary Sources in Cash 28 14 10 16 14 2. Monetary Sources on Bank Deposits 70 237 182 136 149 3. Blocked Monetary Reserves 1 0 0 0 0 4. Money Equivalents 0 0 0 0 0 V. Expenses on Future Periods 11 41 27 22 0													
2. Monetary Sources on Bank Deposits 70 237 182 136 149 3. Blocked Monetary Reserves 1 0 0 0 0 4. Money Equivalents 0 0 0 0 0 V. Expenses on Future Periods 11 41 27 22 0		*											
3. Blocked Monetary Reserves 1 0 0 0 0 0 4. Money Equivalents 0 0 0 0 0 V. Expenses on Future Periods 11 41 27 22 0													
4. Money Equivalents 0 0 0 0 0 V. Expenses on Future Periods 11 41 27 22 0	2.		70	237	182	136	149						
4. Money Equivalents 0 0 0 0 0 V. Expenses on Future Periods 11 41 27 22 0	3	Blocked Monetary Reserves	1	0	0	0	0						
V. Expenses on Future Periods 11 41 27 22 0													
10tai 11,075 8,255 8,785 8,024 8,594 11 11 11 11,075 8,255 8.783 8.624 8.594	Total		11,073	8,253	8,783	8,624	8,594	Total	11,073	8,253	8,783	8,624	8,594

Total 11,073 8,253 8,783 8,624 Source: Ministry of Finance and Ministry of Public Works and Regionmal Development.

Table 125 Balance Sheet of Sliven WS&S Co. Ltd. - Sliven, South East Region (Joint Operating Entetrprise: 51 % State and 49 % Municipality)

		(•			State and 45 % Municipality)				(Unit: 1,0	00 Levs)
	Assets	2001	2002	2003	2004	2005	Liabilities	2001	2002	2003	2004	2005
A. Non	Subscribed Capital	0	0	0	0	0	A. Own Capital	24,653	18,127	18,199	18,423	18,728
B. Long	Term Assets	24,810	19,395	18,589	17,961	17,480	I. Basic Capital	9,283	2,744	2,744	2,744	2,744
I. Loi	nmg Term Material Assets	24,775	19,379	18,576	17,911	17,425	 Subscribed Capital 	9,283	2,744	2,744	2,744	2,744
1.	Buildings, Lands, Forests and Other	3,275	3,113	n.a.	n.a.	3,251	Additional Capital	0	0	0	0	0
	Permanent Plantations	3,273	3,113	II.a.	п.а.	3,231	II. Reserves	15,345	15,350	15,355	15,405	15,616
2.	Machinery, Works and Equipment	18,645	14,480	n.a.	n.a.	12,599	Emission Premia	0	0	0	0	0
3.	Other Long Term Material Assets	889	47	46	44	50	Reserve for Post-Estimate of					
4.	Expenses on Acquisition and						Assets and Liabilities (Pre-	1,382	1,382	1,374	1,374	1,367
	Liquidation of Long Term Material	1,966	1,739	1,884	1,310	1,525	Estimate Reserve)					
	Assets						Target Reserve	13,963	13,968	13,981	14,031	14,249
II. Lo	ng Term Non Material Assets	35	16	13	50	55	 a. General Reserve 	0	0	0	0	0
1.	Expenses on Foundation and	1	6	5	4	2	(Additional Reserve)	U	U	U	U	U
	Enlargement	1	U	3	4	-	 b. Specialized Reserve 	0	0	0	0	0
2.	Research Activities Products	0	0	0	0	0	(Reserve by Law)	U	U	U	U	U
3.	Software incl. Patent, License, etc.	34	10	8	8	24	c. Other Reserve	13,963	13,968	13,981	14,031	14,249
4.	Other Long Term Non-Material Assets	0	0	0	38	29	III. Fianansial Result	25	33	100	274	368
		U	U	U	30	2)	Profit/Loss Accumulated	0	0	8	169	262
III. L	ong Term Financial Assets	0	0	0	0	0	 a. Non-Divided Profit 	0	0	8	169	262
1.	Shares and Stocks	0	0	0	0	0	 b. Uncovered Loss 	0	0	0	0	0
2.	Investment Property	0	0	0	0	0	2. Current Operating Profit/ Loss	25	33	92	105	106
3.	Other Long Term Securities	0	0	0	0	0		23	33)2	103	100
4.	Long Term Payments Due	0	0	0	0	0	B. Long Term Liabilities	2,579	2,382	2,209	2,018	1,433
IV. T	rade Reputation	0	0	0	0	0	I. Long Term Debts	2,579	2,382	2,209	2,018	1,433
1.	Positive Reputation	0	0	0	0	0	 Debts to Linked Enterprises 	0	0	0	0	0
2.	Negative Reputation	0	0	0	0	0	Debts to Finansial Institutions	2,579	2,382	2,209	2,018	1,433
V. E	xpenses on Future Periods	0	0	0	0	0	Debts on Commercial Loans	0	0	0	0	0
C. Shor	t Term Assets	3,988	4,131	8,756	8,001	7,778	 Taxes Postponed 	0	0	0	0	0
I. Sh	ort Term Material Assets	555	507	572	514	639	Other Long Term Liabilities	0	0	0	0	0
1.	Materials	555	507	571	513	638	II. Incomes for Future Periods and	0	0	0	0	0
2.	Production	0	0	0	0	0	Finansing	U	U	U	U	U
3.	Goods	0	0	1	1	1	C. Short Term Liabilities	724	3,017	6,937	5,521	5,097
4.	Young and Small Animals and	0	0	0	0	0	I. Short Term Debts	724	1,109	5,699	4,382	4,052
	Animals for Meat	U		U	U		 Debts to Linked Enterprises 	0	0	0	0	0
5.		0	0	0	0	0	Debts to Finansial Institutions	221	296	253	246	282
6.	Other Short Term Material Assets	0	0	0	0	0	Debts to Suppliers and Clients	5	20	485	386	436
II. Sh	ort Term Payment Due	2,771	3,118	7,071	6,398	6,169	 Debts on Commercial Loans 	0	0	0	0	0
1.	Payments Due from Linked Enterprises	0	0	0	0	0	Debts to Personnel	6	32	157	167	181
		U	U	U	U	· ·	Debts to Insurance	1	16	83	91	94
2.	Payments Due from Clients and	2,029	2,312	3,912	3,966	4,013	7. Tax Debts	475	723	1,532	1,120	1,064
	Suppliers	2,02)	2,312	3,712	3,700	4,013	Other Short Term Debts	16	22	3,189	2,372	1,995
3.	Payments Due on Commercial Loans	0	0	0	0	0	9. Provisions	0	0	0	0	0
	Granted incl. Advances	Ů	·	v	0	Ů	II. Incomes for Future Periods and	0	1,908	1,238	1,139	1,045
4.	Juridical and Sentenced Payments Due	233	160	124	124	170	Finansing	U	1,700	1,230	1,137	1,043
		233	100	124	124	170	D. Finansing	842	0	0	0	0
5.	Taxes on Recuperation	88	89	59	106	99	For Long Term Assets	831	0	0	0	0
6.	Other Short Term Payments Due	421	557	2,976	2,202	1,887	For Current Activities	11	0	0	0	0
III. S	hort Term Finansial Assets	0	0	0	0	0						
1.	Finansial Assets from Linked	0	0	0	0	0						
	Enterprises	U	U	U	U	U						
2.	Bought Back Own Debt Securities	0	0	0	0	0						
3.	Short Term Securities	0	0	0	0	0						
4.	Precious Metals and Jewellry	0	0	0	0	0						
5.	Other Short Term Finansial Assets	0	0	0	0	0						
IV. N	Ionetary Sources	589	457	1,060	1,019	856						
1.	Monetary Sources in Cash	0	0	1,060	3	0						
2.	Monetary Sources on Bank Deposits	589	457	0	1,016	856						
		209	437	U	1,010	630						
3.	Blocked Monetary Reserves	0	0	0	0	0						
4.	Money Equivalents	0	0	0	0	0						
V. E	xpenses on Future Periods	73	49	53	70	114						
Total		28,798	23,526	27,345	25,962	25,258	Total	28,798	23,526	27,345	25,962	25,258

Source: Ministry of Finance and Ministry of Public Works and Regionmal Development.

Table 126 Balance Sheet of Targovishte WS&S Co. Ltd. - Targovishte, North East Region (Joint Operating Entetrprise: 51 % State and 49 % Municipality)

	(JOINL	Operat	ing Ent	eurprise	e: 51 %	State and 49 % Municipality)				(Unit: 1,0	00 Levs)
Assets	2001	2002	2003	2004	2005	Liabilities	2001	2002	2003	2004	2005
A. Non Subscribed Capital	0	0	0	0	0	A. Own Capital	8,854	6,205	6,227	6,224	6,008
B. Long Term Assets	9,615	6,914	6,619	6,191	7,717	I. Basic Capital	2,891	194	194	194	194
I. Lonmg Term Material Assets	9,595	6,906	6,616	6,190	7,673	 Subscribed Capital 	2,891	194	194	194	194
 Buildings, Lands, Forests and Other 	890	599			563	Additional Capital	0	0	0	0	0
Permanent Plantations	890	399	n.a.	n.a.	303	II. Reserves	5,995	5,989	6,016	6,030	6,030
Machinery, Works and Equipment	7,164	5,508	n.a.	n.a.	5,267	 Emission Premia 	0	0	0	0	0
Other Long Term Material Assets	155	23	29	15	15	Reserve for Post-Estimate of					
 Expenses on Acquisition and 						Assets and Liabilities (Pre- Estimate Reserve)	1,746	1,741	1,829	1,832	1,832
Liquidation of Long Term Material	1,386	776	0	0	1,828						
Assets						Target Reserve	4,249	4,248	4,187	4,198	4,198
II. Long Term Non Material Assets	20	8	3	1	0	a. General Reserve	0	0	0	0	0
Expenses on Foundation and Enlargement	0	0	3	0	0	(Additional Reserve)					
Enlargement		2	0			b. Specialized Reserve	0	0	0	0	0
2. Research Activities Products	8	2	0	0	0	(Reserve by Law)	4.240	4.240	4.107	4.100	4.100
Software incl. Patent, License, etc. Other Long Term Non-Material Assets	12	6	0	1	0	c. Other Reserve	4,249	4,248	4,187	4,198	4,198
4. Other Long Term Non-Material Assets	0	0	0	0	0	III. Fianansial Result 1. Profit/Loss Accumulated	-32 0	22 -27	17 0	0	-216 0
III. Long Term Financial Assets	0	0	0	0	0		0	-27 5	0	0	0
Shares and Stocks	0	0	0	0	0	a. Non-Divided Profit b. Uncovered Loss	0	-32	0	0	0
Investment Property	0	0	0	0	0	Current Operating Profit/ Loss	U	-32	U	U	U
Other Long Term Securities	0	0	0	0	0	2. Current Operating Front Loss	-32	49	17	0	-216
Long Term Payments Due	0	0	0	0	0	B. Long Term Liabilities	1,172	1,225	1,451	943	951
IV. Trade Reputation	0	0	0	0	0	I. Long Term Debts	1,172	1,225	1,211	713	731
Positive Reputation	0	0	0	0	0	Debts to Linked Enterprises	0	0	0	0	0
Negative Reputation	0	0	0	0	0	Debts to Finansial Institutions	1,172	1,225	1,211	713	731
V. Expenses on Future Periods	0	0	0	0	44	Debts on Commercial Loans	0	0	0	0	0
C. Short Term Assets	1,253	1,446	1,550	3,873	2,060	4. Taxes Postponed	0	0	0	0	0
I. Short Term Material Assets	415	400	403	413	297	Other Long Term Liabilities	0	0	0	0	0
1. Materials	415	399	402	412	296	II. Incomes for Future Periods and					
2. Production	0	0	0	0	0	Finansing	0	0	240	230	220
3. Goods	0	1	1	1	1	C. Short Term Liabilities	565	930	491	2,897	2,818
4. Young and Small Animals and	0	0	0	0		I. Short Term Debts	565	663	491	2,897	2,818
Animals for Meat	0	0	0	0	0	 Debts to Linked Enterprises 	0	0	0	0	0
Non-Finished Production	0	0	0	0	0	Debts to Finansial Institutions	25	165	34	2,347	2,347
Other Short Term Material Assets	0	0	0	0	0	Debts to Suppliers and Clients	255	175	234	290	182
II. Short Term Payment Due	798	930	981	1,030	1,260	Debts on Commercial Loans	0	0	0	0	0
 Payments Due from Linked Enterprises 	0	0	0	0	0	Debts to Personnel	89	77	90	71	78
	Ů	v	Ü	Ü	Ů	Debts to Insurance	17	38	48	48	48
Payments Due from Clients and	701	793	720	777	918	7. Tax Debts	80	190	49	43	55
Suppliers	,01	,,,,	,20		710	Other Short Term Debts	99	18	36	97	108
Payments Due on Commercial Loans	0	0	0	0	0	9. Provisions	0	0	0	1	0
Granted incl. Advances						II. Incomes for Future Periods and	0	267	0	0	0
Juridical and Sentenced Payments Due	68	129	234	240	248	Finansing					
5 T D	1.4	0		_	60	D. Finansing	277	0	0	0	0
5. Taxes on Recuperation	14	0	8	5	68	For Long Term Assets For Current Activities	46	0	0	0	0
6. Other Short Term Payments Due	15	8	19	8	26	2. For Current Activities	231	0	0	0	0
III. Short Term Finansial Assets 1. Finansial Assets from Linked	0	0	0	0	0						
Enterprises	0	0	0	0	0						
Bought Back Own Debt Securities	0	0	0	0	0						
Short Term Securities	0	0	0	0	0						
Precious Metals and Jewellry	0	0	0	0	0						
Other Short Term Finansial Assets	0	0	0	0	0						
IV. Monetary Sources	34	107	156	2,425	493						
Monetary Sources in Cash	3	1	5	2,423	2						
Monetary Sources on Bank Deposits											
,	31	106	151	2,423	491						
3. Blocked Monetary Reserves	0	0	0	0	0						
Money Equivalents	0	0	0	0	0						
V. Expenses on Future Periods	6	9	10	5	10						
Total	10,868	8,360	8,169	10,064	9,777	Total	10,868	8,360	8,169	10,064	9,777

Total 10,868 8,360 8,169 10,064 9,777 Total Source: Ministry of Finance and Ministry of Public Works and Regionmal Development.

Table 127 Balance Sheet of Varna WS&S Co. Ltd. - Varna, North East Region (Joint Operating Entetrprise: 51 % State and 49 % Municipality)

Count Operating Enterprise: 51 % State and 49 % Municipality)													
Assets	2001	2002	2003	2004	2005	Liabilities	2001	2002	2003				
A. Non Subscribed Capital	0	0	0	0	0	A. Own Capital	57,469	39,018	41,935	42,022	39,492		
B. Long Term Assets	54,509	34,738	36,628	35,683	35,412	I. Basic Capital	20,078	1,363	1,363	1,363	1,363		
I. Lonmg Term Material Assets	54,346	34,631	36,540	35,615	35,283	 Subscribed Capital 	19,678	1,363	1,363	1,363	1,363		
 Buildings, Lands, Forests and Other 	2,618	1,922	n.a.	n.a.	4,378	Additional Capital	400	0	0	0	0		
Permanent Plantations	2,010	1,722	11.4.	11.4.		II. Reserves	37,096	37,479	40,220	40,119	37,799		
Machinery, Works and Equipment	49,426	32,383	n.a.	n.a.	30,665	Emission Premia	0	0	0	0	0		
Other Long Term Material Assets	2,216	183	211	180	151	 Reserve for Post-Estimate of Assets and Liabilities (Pre- 							
4. Expenses on Acquisition and				4.50		Estimate Reserve)	9,219	9,209	11,780	11,615	10,077		
Liquidation of Long Term Material Assets	86	143	765	159	89	· ·	27.077	20.270	20.440	20.504	27.722		
II. Long Term Non Material Assets	163	107	88	68	16	Target Reserve a. General Reserve	27,877	28,270	28,440	28,504	27,722		
Expenses on Foundation and	103	107	00	08	10	(Additional Reserve)	27,877	400	503	503	503		
Enlargement	7	0	0	0	0	b. Specialized Reserve							
Research Activities Products	0	0	0	0	0	(Reserve by Law)	0	0	0	0	0		
Software incl. Patent, License, etc.	156	107	88	68	16	c. Other Reserve	0	27,870	27,937	28,001	27,219		
4. Other Long Term Non-Material Assets						III. Fianansial Result	295	176	352	540	330		
-	0	0	0	0	0	Profit/Loss Accumulated	11	21	182	347	134		
III. Long Term Financial Assets	0	0	0	0	113	a. Non-Divided Profit	11	21	182	347	134		
 Shares and Stocks 	0	0	0	0	0	 b. Uncovered Loss 	0	0	0	0	0		
Investment Property	0	0	0	0	0	Current Operating Profit/ Loss	284	155	170	193	196		
Other Long Term Securities	0	0	0	0	0		204	133	170	193	190		
Long Term Payments Due	0	0	0	0	113	B. Long Term Liabilities	4,275	3,951	3,587	2,821	4,505		
IV. Trade Reputation	0	0	0	0	0	I. Long Term Debts	4,275	3,856	2,860	2,355	4,426		
Positive Reputation	0	0	0	0	0	Debts to Linked Enterprises	0	0	0	0	0		
Negative Reputation	0	0	0	0	0	2. Debts to Finansial Institutions	4,275	3,856	2,860	2,355	1,953		
V. Expenses on Future Periods C. Short Term Assets	0	0	0	0	0	Debts on Commercial Loans Taxes Postponed	0	0	0	0	0		
C. Short Term Assets I. Short Term Material Assets	10,305 634	11,686	12,963	13,293	13,761 2,817	Taxes Postponed Other Long Term Liabilities	0	0	0	0	1,510		
Materials	633	1,450 1,450	1,805 1,805	2,136 2,136	2,817	II. Incomes for Future Periods and	Ü	0	0	Ü	963		
2. Production	033	1,450	1,805	2,130	2,817	Finansing	0	95	727	466	79		
3. Goods	0	0	0	0	0	C. Short Term Liabilities	2,876	3,455	4,069	4,133	5,176		
Young and Small Animals and						I. Short Term Debts	2,876	3,455	4,069	4,133	4,958		
Animals for Meat	0	0	0	0	0	Debts to Linked Enterprises	0	95	36	72	161		
Non-Finished Production	0	0	0	0	0	Debts to Finansial Institutions	0	0	0	0	401		
6. Other Short Term Material Assets	1	0	0	0	0	Debts to Suppliers and Clients	159	278	263	189	609		
II. Short Term Payment Due	6,777	7,432	8,801	8,917	7,807	Debts on Commercial Loans	0	0	0	0	0		
Payments Due from Linked Enterprises	0	0	0	0	0	Debts to Personnel	810	1,017	902	763	1,109		
	0	0	0	U	U	Debts to Insurance	196	247	382	423	464		
Payments Due from Clients and	5,800	6,469	7,771	7,785	7,283	7. Tax Debts	1,131	1,377	1,997	2,200	225		
Suppliers	3,800	0,409	7,771	1,165	1,263	Other Short Term Debts	580	441	489	486	1,989		
Payments Due on Commercial Loans	0	0	0	0	0	9. Provisions	0	0	0	0	0		
Granted incl. Advances	· ·	Ü		Ü	Ŭ	II. Incomes for Future Periods and	0	0	0	0	218		
 Juridical and Sentenced Payments Due 	919	922	990	1,034	406	Finansing							
						D. Finansing	194	0	0	0	0		
5. Taxes on Recuperation	48	0	0	56	13	For Long Term Assets For Current Activities	194	0	0	0	0		
6. Other Short Term Payments Due	10	41	40	42	105	2. For Current Activities	0	0	0	0	0		
III. Short Term Finansial Assets 1. Finansial Assets from Linked	0	0	0	0	0								
Enterprises	0	0	0	0	0								
Bought Back Own Debt Securities	0	0	0	0	0								
Short Term Securities	0	0	0	0	0								
Precious Metals and Jewellry	0	0	0	0	0								
Other Short Term Finansial Assets	0	0	0	0	0								
IV. Monetary Sources	2,823	2,651	2,181	2,090	3,137								
Monetary Sources in Cash	9	9	0	5	0								
Monetary Sources on Bank Deposits	1 007	002	1 175		2 127								
-	1,897	902	1,175	1,084	3,137								
Blocked Monetary Reserves	917	1,410	1,006	1,001	0								
 Money Equivalents 	0	330	0	0	0								
V. Expenses on Future Periods	71	153	176	150	0								
Total	64,814	46,424	49,591	48,976	49,173	Total	64,814	46,424	49,591	48,976	49,173		

Total 64,814 46,424 49,591 48,976 49,173 Total

Source: Ministry of Finance and Ministry of Public Works and Regionmal Development.

Table 128 Balance Sheet of Vratsa WS&S Co. Ltd. - Vratsa, North West Region (Joint Operating Entetrprise: 51 % State and 49 % Municipality)

						otate and 45 % maincipanty)				(Unit: 1,0	00 Levs)
Assets	2001	2002	2003	2004	2005	Liabilities	2001	2002	2003	2004	2005
A. Non Subscribed Capital	0	0	0	0	0	A. Own Capital	9,647	6,566	6,631	6,701	6,498
B. Long Term Assets	10,779	7,724	7,082	6,535	6,239	I. Basic Capital	3,359	197	197	197	197
I. Lonmg Term Material Assets	10,702	7,671	7,043	6,517	6,194	 Subscribed Capital 	3,338	197	197	197	197
 Buildings, Lands, Forests and Other 	1,282	1,173	n.a.	n.a.	1,150	Additional Capital	21	0	0	0	0
Permanent Plantations	1,202	1,175	п.а.	п.а.	1,130	II. Reserves	6,204	6,236	6,259	6,297	6,032
Machinery, Works and Equipment	8,115	5,982	n.a.	n.a.	4,871	Emission Premia	0	0	0	0	0
Other Long Term Material Assets	609	130	125	103	51	Reserve for Post-Estimate of					
Expenses on Acquisition and						Assets and Liabilities (Pre- Estimate Reserve)	1,903	1,901	1,866	1,838	1,504
Liquidation of Long Term Material	696	386	93	37	122	·					
Assets						3. Target Reserve	4,301	4,335	4,393	4,459	4,528
II. Long Term Non Material Assets	77	53	32	15	9	a. General Reserve	17	17	17	17	17
Expenses on Foundation and Enlargement	0	10	8	7	6	(Additional Reserve)					
Enlargement						b. Specialized Reserve	0	0	0	0	0
2. Research Activities Products	0	0	0	0	0	(Reserve by Law)					
Software incl. Patent, License, etc.	47	22	7	8	3	c. Other Reserve	4,284	4,318	4,376	4,442	4,511
Other Long Term Non-Material Assets	30	21	17	0	0	III. Fianansial Result	84	133	175	207	269
III. Long Term Financial Assets	0	0	0	0	0	Profit/Loss Accumulated Non Divided Profit	3	4	40	68	127
Shares and Stocks	0	0	0 0	0	0	a. Non-Divided Profit b. Uncovered Loss	3	4 0	40 0	68 0	127
	0	0	0	0	0		U	U	U	U	0
Investment Property Other Long Term Securities	0	0	0	0	0	Current Operating Profit/ Loss	81	129	135	139	142
-	0	0	0	0	0	B. Long Term Liabilities	1 405	1 725	1 620	1 442	1.610
Long Term Payments Due IV. Trade Reputation	0	0	0	0	0	I. Long Term Debts	1,405 1,405	1,725	1,638	1,443 1,079	1,619
Positive Reputation	0	0	0	0	0	Debts to Linked Enterprises	1,403	1,254 0	1,213 0	1,079	1,314 0
Negative Reputation	0	0	0	0	0	Debts to Finansial Institutions	1,364	1,254	1,154	1,057	957
V. Expenses on Future Periods	0	0	7	3	36	Debts on Commercial Loans	1,304	0	1,134	0	0
C. Short Term Assets	2,599	2,337	2,817	3,129	2,978	4. Taxes Postponed	0	0	0	0	236
I. Short Term Material Assets	340	348	402	309	471	Other Long Term Liabilities	41	0	59	22	121
Materials	335	328	398	305	467	II. Incomes for Future Periods and					
2. Production	0	0	0	0	0	Finansing	0	471	425	364	305
3. Goods	5	5	4	4	4	C. Short Term Liabilities	1,810	1,770	1,630	1,520	1,100
Young and Small Animals and						I. Short Term Debts	1,806	1,766	1,627	1,517	1,100
Animals for Meat	0	0	0	0	0	Debts to Linked Enterprises	0	9	0	0	13
Non-Finished Production	0	15	0	0	0	Debts to Finansial Institutions	0	29	0	0	0
6. Other Short Term Material Assets	0	0	0	0	0	Debts to Suppliers and Clients	264	268	131	170	190
II. Short Term Payment Due	1,875	1,822	1,961	1,636	1,569	Debts on Commercial Loans	0	0	0	0	0
1. Payments Due from Linked Enterprises						Debts to Personnel	482	361	370	312	316
	0	0	0	0	0	Debts to Insurance	116	107	147	130	132
2. Payments Due from Clients and	1 747	1.625	1.750	1 100	1 401	7. Tax Debts	841	66	193	129	67
Suppliers	1,747	1,625	1,752	1,409	1,401	Other Short Term Debts	103	926	786	776	382
3. Payments Due on Commercial Loans	5	0	0	0	0	9. Provisions	0	0	0	0	0
Granted incl. Advances	3	U	U	U	U	II. Incomes for Future Periods and	4	4	3	3	0
4. Juridical and Sentenced Payments Due	45	110	93	146	158	Finansing	4	4	3	3	U
	73	110	,,,	140	136	D. Finansing	516	0	0	0	0
Taxes on Recuperation	65	71	61	51	0	For Long Term Assets	513	0	0	0	0
Other Short Term Payments Due	13	16	55	30	10	For Current Activities	3	0	0	0	0
III. Short Term Finansial Assets	0	0	0	0	0						
Finansial Assets from Linked Enterprises	0	0	0	0	0						
*	0	0	0	0	0						
Bought Back Own Debt Securities Short Term Securities	0	0	0	0	0						
Short Term Securities Precious Metals and Jewellry	0			0	0						
Other Short Term Finansial Assets	0	0	0 0	0	0						
IV. Monetary Sources	317	89	375	1,173	934						
Monetary Sources in Cash	41	24	17	35	43						
Monetary Sources in Cash Monetary Sources on Bank Deposits	41	24	1 /	33	4.5						
2. Monetary Sources on Bank Deposits	276	65	358	538	281						
3. Blocked Monetary Reserves	0	0	0	600	610						
Money Equivalents	0	0	0	0	0						
V. Expenses on Future Periods	67	78	79	11	4						
Total Source: Ministry of Finance and Ministry of Publ	13,378	10,061	9,899	9,664	9,217	Total	13,378	10,061	9,899	9,664	9,217

Total 13,378 10,061 9,89 9,664 9,217 Total

Source: Ministry of Finance and Ministry of Public Works and Regionmal Development.

Table 129 Balance Sheet of Yovkovtsi WS&S Co. Ltd. - Veliko Tarnovo, North Central Region (Joint Operating Entetrprise: 51 % State and 49 % Municipality)

		205:	205-	205-	205:	205-1		,000 Levs)
A M	Assets	2001	2002	2003	2004	2005	Liabilities 2001 2002 2003 200	
	Subscribed Capital	0	0	0	0	0	A. Own Capital 28,049 19,991 20,901 19,902 I. Basic Capital 8,839 621 621 621	
-	Term Assets	26,899	18,226	17,528	18,205	18,641	*	
	nmg Term Material Assets Buildings, Lands, Forests and Other	25,844	17,107	17,451	17,970	18,603	1. Subscribed Capital 8,839 621 621 621 2. Additional Capital 0 0 0	
1.	Permanent Plantations	861	704	n.a.	n.a.	1,892	II. Reserves 18,955 18,999 18,231 18,776	
2		22 506	15 605			16 007		
2. 3.	Machinery, Works and Equipment Other Long Term Material Assets	23,506 971	15,685 125	n.a. 84	n.a. 98	16,097 94	Emission Premia 0 0 0 Reserve for Post-Estimate of 0 0	0
3. 4.	_	9/1	123	64	98	94	Assets and Liabilities (Pre- 5,134 5,133 4,189 4,189	4,154
٦.	Liquidation of Long Term Material	506	593	484	631	520	Estimate Reserve) 5,134 5,133 4,169 4,169	4,134
	Assets	300	373	404	031	320	3. Target Reserve 13,821 13,866 14,042 14,587	14,587
пте	ong Term Non Material Assets	105	55	77	85	38	a. General Reserve	14,567
	Expenses on Foundation and	103	33	,,	65	50	(Additional Reserve) 0 0 0	0
1.	Enlargement	0	3	2	1	1	b. Specialized Reserve	
2.		0	0	0	0	0	(Reserve by Law) 0 0 0	0
3.	Software incl. Patent, License, etc.	41	9	32	51	13	c. Other Reserve 13,821 13,866 14,042 14,587	14,587
4.	Other Long Term Non-Material Assets	41	,	32	31	13	III. Fianansial Result 255 371 2,049 505	
٦.	Other Long Term Won-Waterian Assets	64	43	43	33	24	1. Profit/Loss Accumulated 6 7 952 952	
шт	ong Term Financial Assets	950	1,064	0	0	0		
1.	•	930	1,004	0	0	0	a. Non-Divided Profit 6 7 952 952 b. Uncovered Loss 0 0 0	
2.		950		0	0	0		-44/
	1 ,		1,064	0	0	0	 Current Operating Profit/ Loss 249 364 1,097 -447 	-197
3.	*	0	0		0	0	E. Long Term Liabilities 0 0 895	1 427
	Long Term Payments Due	0	0	0				
	rade Reputation	0	0		0	0		
	Positive Reputation	0	0	0	0		1. Debts to Linked Enterprises 0 0 0 (2. Debts to Finansial Institutions 0 0 0	
	Negative Reputation	0	0	0	0	0		
	xpenses on Future Periods	0	0	0	150	0		
	t Term Assets ort Term Material Assets	1,317 151	2,106 118	5,217 841	4,839	5,540		
					1,176	2,051		1,437
1.		143	112	836	1,171	2,045	II. Incomes for Future Periods and Finansing 0 0 0 46	0
2.	Production	0	0	0	0	0		2.400
3.	Goods	8	6	5	5	6		
4.	Young and Small Animals and Animals for Meat	0	0	0	0	0	,,,,, -,	
_							1. Debts to Linked Enterprises 0 0 1 126	
5.	Non-Finished Production	0	0	0	0	0	2. Debts to Finansial Institutions 0 0 0 (
6.	Other Short Term Material Assets	0	0	0	0	0	3. Debts to Suppliers and Clients 9 12 153 468	,
	ort Term Payment Due	899	1,827	2,291	2,726	2,795	4. Debts on Commercial Loans 0 0 0 (
1.	Payments Due from Linked Enterprises	853	0	0	0	0	5. Debts to Personnel 40 103 477 513	
	B 4 GF 1						6. Debts to Insurance 19 32 189 213	
2.	Payments Due from Clients and	22	1,130	1,437	1,261	1,938	7. Tax Debts 46 141 947 880	
_	Suppliers		,			,	8. Other Short Term Debts 7 7 31 47	
3.		0	652	748	898	204	9. Provisions 0 0 0	0
	Granted incl. Advances						II. Incomes for Future Periods and 0 46 46	0
4.	Juridical and Sentenced Payments Due	3	32	59	288	444	Finansing	
_							0. Finansing 46 0 0 (
5.	Taxes on Recuperation	14	2	46	278	207	1. For Long Term Assets 46 0 0	
6.	Other Short Term Payments Due	7	11	1	1	2	2. For Current Activities 0 0 0	0
	hort Term Finansial Assets	0	0	0	0	0		
1.	Finansial Assets from Linked	0	0	0	0	0		
	Enterprises							
2.	Bought Back Own Debt Securities	0	0	0	0	0		
3.	Short Term Securities	0	0	0	0	0		
4.	Precious Metals and Jewellry	0	0	0	0	0		
	Other Short Term Finansial Assets	0	0	0	0	0		
	Ionetary Sources	261	155	2,059	927	665		
1.	*	3	139	42	29	40		
2.	Monetary Sources on Bank Deposits	258	16	2,017	898	625		
		230	10	2,01/	070	023		
3.	Blocked Monetary Reserves	0	0	0	0	0		
4.	Money Equivalents	0	0	0	0	0		
V. E	xpenses on Future Periods	6	6	26	10	29		
Total		28,216	20,332	22,745	23,044	24,181	otal 28,216 20,332 22,745 23,044	24,181

Total 28,216 20,332 22,745 23,044 24,181 Total

Source: Ministry of Finance and Ministry of Public Works and Regionmal Development.

Table 130 Balance Sheet of Asparuhov Val WS&S Co. Ltd. - Knezha, North West Region (100 % Municipality Owned Entetrprise)

			١.	,,,,,			whed Lineaphise)			(Unit: 1,00	00 Levs)
	Assets	2001	2002	2003	2004	2005	Liabilities	2001	2002	2003	2004	2005
A. Non	Subscribed Capital	0	0	0	0	0	A. Own Capital	303	185	187	195	200
B. Long	Term Assets	245	119	97	86	79	I. Basic Capital	141	15	15	15	15
	nmg Term Material Assets	242	117	97	86	79	Subscribed Capital	141	15	15	15	15
1.	Buildings, Lands, Forests and Other	58	34	n.a.	n.a.	28	Additional Capital	0	0	0	0	0
	Permanent Plantations	20	٠.				II. Reserves	150	156	162	172	172
	Machinery, Works and Equipment	169	76	n.a.	n.a.	48	Emission Premia	0	0	0	0	0
3.	Other Long Term Material Assets	15	7	3	2	3	2. Reserve for Post-Estimate of					
4.	Expenses on Acquisition and						Assets and Liabilities (Pre- Estimate Reserve)	0	0	0	0	0
	Liquidation of Long Term Material	0	0	0	0	0	·					
	Assets						Target Reserve	150	156	162	172	172
	ong Term Non Material Assets	3	2	0	0	0	a. General Reserve	15	22	27	36	37
1.	Expenses on Foundation and	0	0	0	0	0	(Additional Reserve)					
2	Enlargement						b. Specialized Reserve	0	0	0	0	0
	Research Activities Products	0	0	0	0	0	(Reserve by Law)					
3.	Software incl. Patent, License, etc.	3	2	0	0	0	c. Other Reserve	135	134	135	136	135
4.	Other Long Term Non-Material Assets	0	0	0	0	0	III. Fianansial Result	12	14	10	8	13
111.1	T Financial Acada	0					Profit/Loss Accumulated	7	5	9	1	8
	ong Term Financial Assets	0	0	0	0	0	a. Non-Divided Profit	7	5	9	1	8
	Shares and Stocks	0	0	0	0	0	b. Uncovered Loss	0	0	0	0	0
	Investment Property	0	0	0	0	0	Current Operating Profit/ Loss	5	9	1	7	5
3.	*	0	0	0	0	0	B. Long Term Liabilities	0	0	0	0	0
	Long Term Payments Due	0	0	0	0	0	I. Long Term Debts	0	0	0	0	0
	rade Reputation	0	0	0	0	0		0	0	0	0	0
	Positive Reputation	0	0	0	0	0	Debts to Linked Enterprises Debts to Finansial Institutions	0	0	0	0	0
	Negative Reputation xpenses on Future Periods	0	0		0	0	Debts to Finansial Institutions Debts on Commercial Loans	0	0	0	0	0
	t Term Assets	171	163	0 182	231	210	4. Taxes Postponed	0	0	0	0	0
	ort Term Material Assets	6	9	12	14	13	Other Long Term Liabilities	0	0	0	0	0
	Materials	6	9	12	14	13	II. Incomes for Future Periods and	U	U	U	U	U
2.		0	0	0	0	0	Finansing	0	0	0	0	0
3.	Goods	0	0	0	0	0	C. Short Term Liabilities	113	97	92	122	89
	Young and Small Animals and	Ü		Ü	U	1	I. Short Term Debts	110	97	92	122	87
٦.	Animals for Meat	0	0	0	0	0	Debts to Linked Enterprises	0	0	0	0	0
5	Non-Finished Production	0	0	0	0	0	Debts to Finansial Institutions	0	0	0	0	0
	Other Short Term Material Assets	0	0	0	0	0	Debts to Suppliers and Clients	6	6	8	2	2
	ort Term Payment Due	69	107	147	175	171	Debts on Commercial Loans	0	0	0	0	0
	Payments Due from Linked Enterprises						Debts to Personnel	23	15	10	16	7
	- u,	0	0	0	0	0	Debts to Insurance	11	8	7	8	7
2.	Payments Due from Clients and						7. Tax Debts	70	67	67	95	67
	Suppliers	57	102	142	166	132	8. Other Short Term Debts	0	1	0	1	4
3.	Payments Due on Commercial Loans	_				_	9. Provisions	0	0	0	0	
	Granted incl. Advances	2	0	0	0	0	II. Incomes for Future Periods and					
4.	Juridical and Sentenced Payments Due	_	_	_	_		Finansing	3	0	0	0	2
	•	8	5	5	8	39	D. Finansing	0	0	0	0	0
5.	Taxes on Recuperation	0	0	0	0	0	For Long Term Assets	0	0	0	0	0
6.	Other Short Term Payments Due	2	0	0	1	0	For Current Activities	0	0	0	0	0
III. S	hort Term Finansial Assets	0	0	0	0	0						
1.	Finansial Assets from Linked	0										
	Enterprises	0	0	0	0	0						
2.	Bought Back Own Debt Securities	0	0	0	0	0						
3.	Short Term Securities	0	0	0	0	0						
4.	Precious Metals and Jewellry	0	0	0	0	0						
5.	Other Short Term Finansial Assets	0	0	0	0	0						
IV. N	Ionetary Sources	96	47	23	42	26						
1.	Monetary Sources in Cash	2	0	0	1	1						
2.	Monetary Sources on Bank Deposits	94	47	23	41	25						
3.	Blocked Monetary Reserves	0	0	0	0	0						
	Money Equivalents	0	0	0	0	0						
	xpenses on Future Periods	0	0	0	0	0						
Total		416	282	279	317	289	Total	416	282	279	317	289

Total 416 282 279 317
Source: Ministry of Finance and Ministry of Public Works and Regionmal Development.

Table 131 Balance Sheet of Batak WS&S Co. Ltd. - Batak, South Central Region (100 % Municipality Owned Entetrprise)

	Control Cont													
Assets	2001	2002	2003	2004	2005	Liabilities	2001	2002						
A. Non Subscribed Capital	0	0	0	0	0	A. Own Capital	607	474	475	476	476			
B. Long Term Assets	796	695	689	702	696	I. Basic Capital	147	13	13	13	13			
I. Lonmg Term Material Assets	796	695	688	702	696	 Subscribed Capital 	147	13	13	13	13			
 Buildings, Lands, Forests and Other 	59	48	n.a.	n.a.	44	Additional Capital	0	0	0	0	0			
Permanent Plantations	39	40	п.а.	II.a.	44	II. Reserves	459	459	460	460	460			
Machinery, Works and Equipment	454	371	n.a.	n.a.	376	Emission Premia	0	0	0	0	0			
Other Long Term Material Assets	7	0	0	0	0	Reserve for Post-Estimate of								
Expenses on Acquisition and						Assets and Liabilities (Pre- Estimate Reserve)	459	459	460	460	460			
Liquidation of Long Term Material	276	276	276	276	276									
Assets						3. Target Reserve	0	0	0	0	0			
II. Long Term Non Material Assets	0	0	1	0	0	a. General Reserve (Additional Reserve)	0	0	0	0	0			
Expenses on Foundation and Enlargement	0	0	0	0	0	` '								
*	0	0	0	0	0	b. Specialized Reserve (Reserve by Law)	0	0	0	0	0			
Research Activities Products Software incl. Patent, License, etc.		0	0	0	0		0	0	0	0	0			
 Software incl. Patent, License, etc. Other Long Term Non-Material Assets 	0	U	1	0	U	c. Other Reserve III. Fianansial Result	0 1	0 2	0 2	3	3			
4. Other Long Term Non-Waterial Assets	0	0	0	0	0	Profit/Loss Accumulated	0	1	1	2	2			
III. Long Term Financial Assets	0	0	0	0	0		0	1	1	2	2			
Shares and Stocks	0	0	0	0	0	a. Non-Divided Profit b. Uncovered Loss	0	0	0	0	0			
Investment Property	0	0	0	0	0	Current Operating Profit/ Loss	Ü	Ü	Ü	U	Ü			
Other Long Term Securities	0	0	0	0	0	2. Current Operating From Loss	1	1	1	1	1			
Concrete Edition Securities Long Term Payments Due	0	0	0	0	0	B. Long Term Liabilities	0	0	0	0	0			
IV. Trade Reputation	0	0	0	0	0	I. Long Term Debts	0	0	0	0	0			
Positive Reputation	0	0	0	0	0	Debts to Linked Enterprises	0	0	0	0	0			
Negative Reputation	0	0	0	0	0	Debts to Finansial Institutions	0	0	0	0	0			
V. Expenses on Future Periods	0	0	0	0	0	Debts on Commercial Loans	0	0	0	0	0			
C. Short Term Assets	31	51	49	23	19	Taxes Postponed	0	0	0	0	0			
I. Short Term Material Assets	3	2	5	6	3	Other Long Term Liabilities	0	0	0	0	0			
Materials	3	2	5	6	3	II. Incomes for Future Periods and								
2. Production	0	0	0	0	0	Finansing	0	0	0	0	0			
3. Goods	0	0	0	0	0	C. Short Term Liabilities	17	272	263	249	239			
4. Young and Small Animals and						I. Short Term Debts	17	27	20	9	7			
Animals for Meat	0	0	0	0	0	Debts to Linked Enterprises	0	0	0	0	0			
Non-Finished Production	0	0	0	0	0	Debts to Finansial Institutions	0	0	0	0	0			
Other Short Term Material Assets	0	0	0	0	0	Debts to Suppliers and Clients	0	16	6	1	1			
II. Short Term Payment Due	3	46	32	4	4	 Debts on Commercial Loans 	0	0	0	0	0			
 Payments Due from Linked Enterprises 	0	0	0	0	0	Debts to Personnel	3	4	2	2	2			
	U	U	U	U	U U	Debts to Insurance	1	3	1	1	1			
Payments Due from Clients and	3	46	32	4	4	7. Tax Debts	13	3	11	5	3			
Suppliers	,	40	32	-	7	Other Short Term Debts	0	1	0	0	0			
Payments Due on Commercial Loans	0	0	0	0	0	9. Provisions	0	0	0	0	0			
Granted incl. Advances	Ü	Ü			Ů	II. Incomes for Future Periods and	0	245	243	240	232			
 Juridical and Sentenced Payments Due 	0	0	0	0	0	Finansing								
						D. Finansing	203	0	0	0	0			
Taxes on Recuperation	0	0	0	0	0	For Long Term Assets	203	0	0	0	0			
6. Other Short Term Payments Due	0	0	0	0	0	For Current Activities	0	0	0	0	0			
III. Short Term Finansial Assets	0	0	0	0	0									
Finansial Assets from Linked	0	0	0	0	0									
Enterprises	_													
Bought Back Own Debt Securities	0	0	0	0	0									
3. Short Term Securities	0	0	0	0	0									
Precious Metals and Jewellry Other Short Torres Financial Assets	0	0	0	0	0									
5. Other Short Term Finansial Assets	0	0	0	0	0	1								
IV. Monetary Sources	25	3	12	13	12									
Monetary Sources in Cash Monetary Sources on Bonk Denosits	11	0	2	5	6									
Monetary Sources on Bank Deposits	14	3	10	8	6									
3. Blocked Monetary Reserves	0	0	0	0	0									
Money Equivalents	0	0	0	0	0									
V. Expenses on Future Periods	0	0	0	0	0									
Total	827	746	738	725	715	Total	827	746	738	725	715			

Total 827 746 738 725 Source: Ministry of Finance and Ministry of Public Works and Regionmal Development.

Table 132 Balance Sheet of Belovo WS&S Co. Ltd. - Belovo, South Central Region (100 % Municipality Owned Entetrprise)

(Unit: 1,000 Levs) Assets A. Non Subscribed Capital A. Own Capital I. Basic Capital B. Long Term Assets I. Lonmg Term Material Assets 1. Subscribed Capital 1. Buildings, Lands, Forests and Other 2. Additional Capital n.a Permanent Plantations II. Reserves Machinery, Works and Equipment Emission Premia n.a. n.a. Reserve for Post-Estimate of Other Long Term Material Assets Expenses on Acquisition and Assets and Liabilities (Pre-Estimate Reserve) Liquidation of Long Term Material Assets Target Reserve II. Long Term Non Material Assets a. General Reserve 1. Expenses on Foundation and (Additional Reserve) Enlargement b. Specialized Reserve (Reserve by Law) Research Activities Products Software incl. Patent, License, etc. c. Other Reserve 4. Other Long Term Non-Material Assets III. Fianansial Result -10 1. Profit/Loss Accumulated III. Long Term Financial Assets a. Non-Divided Profit b. Uncovered Loss 1. Shares and Stocks -1 2. Investment Property 2. Current Operating Profit/ Loss -11 -4 Other Long Term Securities B. Long Term Liabilities 4. Long Term Payments Due IV. Trade Reputation I. Long Term Debts 1. Positive Reputation 1. Debts to Linked Enterprises 2. Negative Reputation 2. Debts to Finansial Institutions V. Expenses on Future Periods 3. Debts on Commercial Loans C. Short Term Assets 4. Taxes Postponed I. Short Term Material Assets 5. Other Long Term Liabilities 1. Materials II. Incomes for Future Periods and Production Finansing Goods Short Term Liabilities 4. Young and Small Animals and I Short Term Debts Animals for Meat 1 Debts to Linked Enterprises 5. Non-Finished Production 2. Debts to Finansial Institutions 6. Other Short Term Material Assets Debts to Suppliers and Clients II. Short Term Payment Due Debts on Commercial Loans 1. Payments Due from Linked Enterprises Debts to Personnel 6. Debts to Insurance Tax Debts 2. Payments Due from Clients and 8 Other Short Term Debts Suppliers Payments Due on Commercial Loans 9 Provisions Granted incl. Advances II. Incomes for Future Periods and 4. Juridical and Sentenced Payments Due Finansing D. Finansing 5. Taxes on Recuperation Λ For Long Term Assets 6. Other Short Term Payments Due 2 For Current Activities III. Short Term Finansial Assets 1. Finansial Assets from Linked Enterprises 2. Bought Back Own Debt Securities 3. Short Term Securities 4 Precious Metals and Jewellry 5. Other Short Term Finansial Assets IV. Monetary Sources 1. Monetary Sources in Cash 2. Monetary Sources on Bank Deposits 3. Blocked Monetary Reserves 4. Money Equivalents V. Expenses on Future Periods Total

(Note) Lack of data in parts of detail.

Source: Ministry of Finance and Ministry of Public Works and Regionmal Development.

Table 133 Balance Sheet of Berkovitsa WS&S Co. Ltd. - Berkovitsa, North West Region (100 % Municipality Owned Entetrprise)

			`		•	•	whea Enteuphise)				(Unit: 1,00	00 Levs)
	Assets	2001	2002	2003	2004	2005	Liabilities	2001	2002	2003	2004	2005
	Subscribed Capital	0	0	0	0	0	A. Own Capital	689	528	546	539	554
B. Long	g Term Assets	603	437	502	466	455	I. Basic Capital	532	386	388	388	388
	nmg Term Material Assets	601	436	501	466	455	Subscribed Capital	165	386	388	388	388
1.	Buildings, Lands, Forests and Other	62	54	n.a.	n.a.	47	Additional Capital	367	0	0	0	0
	Permanent Plantations	02	٥.			.,	II. Reserves	141	140	133	138	138
2.	Machinery, Works and Equipment	532	382	n.a.	n.a.	408	Emission Premia	0	0	0	0	0
3.	· ·	7	0	0	0	0	2. Reserve for Post-Estimate of					
4.	Expenses on Acquisition and						Assets and Liabilities (Pre- Estimate Reserve)	141	140	133	130	130
	Liquidation of Long Term Material	0	0	0	0	0	· ·					
	Assets						Target Reserve	0	0	0	8	8
	ong Term Non Material Assets	2	1	1	0	0	a. General Reserve	0	0	0	0	0
1.	Expenses on Foundation and	0	0	0	0	0	(Additional Reserve)			Ü	•	0
	Enlargement						 b. Specialized Reserve 	0	0	0	0	0
2.	Research Activities Products	0	0	0	0	0	(Reserve by Law)			Ü	•	0
3.	Software incl. Patent, License, etc.	2	1	1	0	0	c. Other Reserve	0	0	0	8	8
4.	Other Long Term Non-Material Assets	0	0	0	0	0	III. Fianansial Result	16	2	25	13	28
							Profit/Loss Accumulated	7	3	8	10	13
	ong Term Financial Assets	0	0	0	0	0	 a. Non-Divided Profit 	7	3	8	10	13
	Shares and Stocks	0	0	0	0	0	b. Uncovered Loss	0	0	0	0	0
2.	Investment Property	0	0	0	0	0	Current Operating Profit/ Loss	9	-1	17	3	15
3.	Other Long Term Securities	0	0	0	0	0				1,	,	13
4.	Long Term Payments Due	0	0	0	0	0	B. Long Term Liabilities	0	0	0	0	0
IV. T	rade Reputation	0	0	0	0	0	I. Long Term Debts	0	0	0	0	0
1.	Positive Reputation	0	0	0	0	0	 Debts to Linked Enterprises 	0	0	0	0	0
2.	Negative Reputation	0	0	0	0	0	Debts to Finansial Institutions	0	0	0	0	0
V. E	xpenses on Future Periods	0	0	0	0	0	Debts on Commercial Loans	0	0	0	0	0
C. Shor	t Term Assets	112	121	116	106	174	 Taxes Postponed 	0	0	0	0	0
I. Sh	ort Term Material Assets	18	21	44	40	47	Other Long Term Liabilities	0	0	0	0	0
1.	Materials	18	21	44	40	47	II. Incomes for Future Periods and	0	0	0	0	0
2.	Production	0	0	0	0	0	Finansing	U	U	U	U	U
3.	Goods	0	0	0	0	0	C. Short Term Liabilities	26	30	72	33	75
4.	Young and Small Animals and	0	0	0	0	0	I. Short Term Debts	26	30	72	33	75
	Animals for Meat	U	U	U	U	٥	 Debts to Linked Enterprises 	0	0	0	0	0
5.	Non-Finished Production	0	0	0	0	0	Debts to Finansial Institutions	0	0	0	0	0
6.	Other Short Term Material Assets	0	0	0	0	0	Debts to Suppliers and Clients	1	0	36	1	8
II. Sl	nort Term Payment Due	50	26	43	41	35	 Debts on Commercial Loans 	0	0	0	0	0
1.	Payments Due from Linked Enterprises	0	0	0	0	0	Debts to Personnel	10	11	9	13	33
		U	U	U	U	٥	Debts to Insurance	7	6	6	8	15
2.	Payments Due from Clients and	40	25	40	20	33	7. Tax Debts	7	7	8	7	12
	Suppliers	49	25	40	38	33	Other Short Term Debts	1	2	3	4	7
3.	Payments Due on Commercial Loans	0	0	0	0	0	9. Provisions	0	4	10	0	0
	Granted incl. Advances	U	U	U	U	0	II. Incomes for Future Periods and	0	0	0	0	0
4.	Juridical and Sentenced Payments Due	0		1	2	2	Finansing	0	0	0	0	0
		0	1	1	2	2	D. Finansing	0	0	0	0	0
5.	Taxes on Recuperation	0	0	2	0	0	 For Long Term Assets 	0	0	0	0	0
6.	Other Short Term Payments Due	1	0	0	1	0	For Current Activities	0	0	0	0	0
III. S	hort Term Finansial Assets	0	0	0	0	0						
1.	Finansial Assets from Linked											
	Enterprises	0	0	0	0	0						
2.	Bought Back Own Debt Securities	0	0	0	0	0						
	Short Term Securities	0	0	0	0	0						
4.	Precious Metals and Jewellry	0	0	0	0	0						
5.		0	0	0	0	0						
	Monetary Sources	43	70	23	19	85						
	Monetary Sources in Cash	1	3	1	0	8						
2.	Monetary Sources on Bank Deposits											
		42	67	22	19	77						
3.	Blocked Monetary Reserves	0	0	0	0	0						
4.		0	0	0	0	0						
	expenses on Future Periods	1	4	6	6	7						
Total		715	558	618	572	629	Total	715	558	618	572	629

Total 715 558 618 572 Source: Ministry of Finance and Ministry of Public Works and Regionmal Development.

Table 134 Balance Sheet of Botevgrad WS&S Co. Ltd. - Botevgrad, South West Region (100 % Municipality Owned Entetrprise)

B. Long T. Long 1.	Assets ubscribed Capital														
B. Long T. Long 1.	•	0							2002	2005	2004	2005			
I. Loni 1.	Farms Aggata	U	0	0	0	0	A. Own Capital	2,506	2,098	2,093	2,074	2,681			
1.	Term Assets	2,256	1,847	1,757	1,634	2,114	I. Basic Capital	855	102	102	102	102			
	ng Term Material Assets	2,251	1,840	1,754	1,634	2,114	Subscribed Capital	826	102	102	102	102			
	Buildings, Lands, Forests and Other	298	419	n.a.	n.a.	632	Additional Capital	29	0	0	0	0			
_	Permanent Plantations						II. Reserves	1,665	2,009	2,009	1,967	2,503			
	Machinery, Works and Equipment	1,897	1,322	n.a.	n.a.	1,428	Emission Premia Reserve for Post-Estimate of	0	0	0	0	0			
	Other Long Term Material Assets	52	24	9	5	5	 Reserve for Post-Estimate of Assets and Liabilities (Pre- 	0	0	0	0	204			
	Expenses on Acquisition and Liquidation of Long Term Material	4	75	49	46	49	Estimate Reserve)	0	0	0	0	394			
	Assets	4	13	49	40	49	Target Reserve	1,665	2,009	2,009	1,967	2,109			
	g Term Non Material Assets	5	3	1	0	0	a. General Reserve	,	2,009	2,009	,	2,109			
	Expenses on Foundation and						(Additional Reserve)	2	2	2	2	2			
	Enlargement	1	0	0	0	0	b. Specialized Reserve								
2.	Research Activities Products	0	0	0	0	0	(Reserve by Law)	0	0	0	0	0			
	Software incl. Patent, License, etc.	4	3	1	0	0	c. Other Reserve	1,663	2,007	2,007	1,965	2,107			
	Other Long Term Non-Material Assets						III. Fianansial Result	-14	-13	-18	5	76			
	•	0	0	0	0	0	Profit/Loss Accumulated	-16	-35	-19	2	87			
III. Lo	ng Term Financial Assets	0	4	2	0	0	a. Non-Divided Profit	0	5	5	2	87			
1.	Shares and Stocks	0	0	0	0	0	b. Uncovered Loss	16	-40	-24	0	0			
2.	Investment Property	0	0	0	0	0	Current Operating Profit/ Loss	2	22	1	2	11			
3.	Other Long Term Securities	0	0	0	0	0		2	22	1	3	-11			
4.	Long Term Payments Due	0	4	2	0	0	B. Long Term Liabilities	9	10	0	7	7			
IV. Tra	ade Reputation	0	0	0	0	0	I. Long Term Debts	9	0	0	0	0			
1.	Positive Reputation	0	0	0	0	0	 Debts to Linked Enterprises 	0	0	0	0	0			
2.	Negative Reputation	0	0	0	0	0	Debts to Finansial Institutions	0	0	0	0	0			
	penses on Future Periods	0	0	0	0	0	Debts on Commercial Loans	9	0	0	0	0			
	Term Assets	420	545	535	697	932	Taxes Postponed	0	0	0	0	0			
I. Sho	rt Term Material Assets	43	98	110	111	158	Other Long Term Liabilities	0	0	0	0	0			
	Materials	36	91	103	104	151	II. Incomes for Future Periods and	0	10	0	7	7			
	Production	0	0	0	0	0	Finansing								
	Goods	0	0	0	0	0	C. Short Term Liabilities	149	284	199	250	358			
	Young and Small Animals and	0	0	0	0	0	I. Short Term Debts	149	284	191	250	358			
	Animals for Meat	_	_	_	_	_	Debts to Linked Enterprises	0	0	0	0	0			
	Non-Finished Production	7	7	7	7	7	Debts to Finansial Institutions Debts to Finansial Institutions	0	83	0	0	0			
	Other Short Term Material Assets rt Term Payment Due	0	0 368	0 393	0	0 540	Debts to Suppliers and Clients Debts on Commercial Loans	71 0	40	43 0	80	207			
	•	312	308	393	483	540	Debts of Commercial Loans Debts to Personnel		0		0	0 9			
1.	Payments Due from Linked Enterprises	0	0	0	0	0	6. Debts to Insurance	35 12	42 24	36 13	40 16				
2	Payments Due from Clients and						7. Tax Debts	22	28	50	60	16 80			
	Suppliers	295	291	340	434	501	8. Other Short Term Debts	9	67	49	54	46			
	Payments Due on Commercial Loans						9. Provisions	0	0	0	0	0			
	Granted incl. Advances	0	0	0	0	0	II. Incomes for Future Periods and								
4.	Juridical and Sentenced Payments Due						Finansing	0	0	8	0	0			
		1	37	22	20	16	D. Finansing	12	0	0	0	0			
5.	Taxes on Recuperation	2	2	3	2	0	For Long Term Assets	12	0	0	0	0			
	Other Short Term Payments Due	14	38	28	27	23	2. For Current Activities	0	0	0	0	0			
III. She	ort Term Finansial Assets	0	0	0	0	0									
1.	Finansial Assets from Linked														
	Enterprises	0	0	0	0	0									
2.	Bought Back Own Debt Securities	0	0	0	0	0									
3.	Short Term Securities	0	0	0	0	0									
4.	Precious Metals and Jewellry	0	0	0	0	0									
5.	Other Short Term Finansial Assets	0	0	0	0	0									
	onetary Sources	60	75	27	57	185									
	Monetary Sources in Cash	1	9	5	20	13									
2.	Monetary Sources on Bank Deposits	59	66	22	28	159									
3.	Blocked Monetary Reserves	0	0	0	9	13									
	Money Equivalents	0	0	0	0	0									
V. Ex	penses on Future Periods	5	4	5	46	49									
Total		2,676	2,392	2,292	2,331	3,046	Total	2,676	2,392	2,292	2,331	3,046			

Total 2,676 2,392 2,292 2,331 3,046 Total

Source: Ministry of Finance and Ministry of Public Works and Regionmal Development.

Table 135 Balance Sheet of Breznik WS&S Co. Ltd. - Breznik, South West Region (100 % Municipality Owned Entetrprise)

	Curit: 1,000 Levs													
Assets	2001	2002	2003	2004	2005	Liabilities	2001	2002						
A. Non Subscribed Capital	0	0	0	0	0	A. Own Capital	939	706	682	660	663			
B. Long Term Assets	922	687	658	630	600	I. Basic Capital	1,035	826	826	826	826			
I. Lonmg Term Material Assets	922	687	658	630	600	 Subscribed Capital 	1,035	826	826	826	826			
 Buildings, Lands, Forests and Other 	89	77	n.a.	n.a.	72	Additional Capital	0	0	0	0	0			
Permanent Plantations	0,7	//	11.4.	п.а.	12	II. Reserves	32	35	35	35	35			
Machinery, Works and Equipment	817	596	n.a.	n.a.	518	 Emission Premia 	0	0	0	0	0			
Other Long Term Material Assets	16	14	12	12	10	Reserve for Post-Estimate of								
Expenses on Acquisition and						Assets and Liabilities (Pre- Estimate Reserve)	32	35	35	35	35			
Liquidation of Long Term Material	0	0	0	0	0	·								
Assets						3. Target Reserve	0	0	0	0	0			
II. Long Term Non Material Assets	0	0	0	0	0	a. General Reserve	0	0	0	0	0			
Expenses on Foundation and Enlargement	0	0	0	0	0	(Additional Reserve)								
Research Activities Products	0	0	0	0	0	b. Specialized Reserve (Reserve by Law)	0	0	0	0	0			
		0	0	0	0		0	0	0	0	0			
 Software incl. Patent, License, etc. Other Long Term Non-Material Assets 	0	U	U	U	U	c. Other Reserve III. Fianansial Result				-201	-198			
4. Other Long Term Non-Waterial Assets	0	0	0	0	0	Profit/Loss Accumulated	-128 -67	-155 -128	-179 -155	-201 -179	-198			
III. Long Term Financial Assets	0	0	0	0	0		-07	-128	-133	-1/9	-201			
Shares and Stocks	0	0	0	0	0	a. Non-Divided Profit b. Uncovered Loss	67	-128	-155	-179	-201			
Investment Property	0	0	0	0	0	Current Operating Profit/ Loss	07	-120	-133	-1//	-201			
Other Long Term Securities	0	0	0	0	0	2. Current Operating Front Loss	-61	-27	-24	-22	3			
Concr Eong Term Securities Long Term Payments Due	0	0	0	0	0	B. Long Term Liabilities	0	0	0	0	0			
IV. Trade Reputation	0	0	0	0	0	I. Long Term Debts	0	0	0	0	0			
Positive Reputation	0	0	0	0	0	Debts to Linked Enterprises	0	0	0	0	0			
Negative Reputation	0	0	0	0	0	Debts to Finansial Institutions	0	0	0	0	0			
V. Expenses on Future Periods	0	0	0	0	0	Debts on Commercial Loans	0	0	0	0	0			
C. Short Term Assets	51	57	48	36	72	Taxes Postponed	0	0	0	0	0			
I. Short Term Material Assets	13	15	15	11	12	Other Long Term Liabilities	0	0	0	0	0			
1. Materials	13	15	15	11	12	II. Incomes for Future Periods and								
2. Production	0	0	0	0	0	Finansing	0	0	0	0	0			
3. Goods	0	0	0	0	0	C. Short Term Liabilities	34	38	24	6	9			
4. Young and Small Animals and		0				I. Short Term Debts	34	38	24	6	9			
Animals for Meat	0	0	0	0	0	 Debts to Linked Enterprises 	0	0	0	0	0			
Non-Finished Production	0	0	0	0	0	Debts to Finansial Institutions	0	0	0	0	0			
Other Short Term Material Assets	0	0	0	0	0	Debts to Suppliers and Clients	23	30	18	1	1			
II. Short Term Payment Due	35	11	30	0	28	 Debts on Commercial Loans 	0	0	0	0	0			
 Payments Due from Linked Enterprises 	0	0	0	0	0	Debts to Personnel	1	1	1	2	1			
	U	U	U	U	· ·	Debts to Insurance	3	1	0	1	0			
Payments Due from Clients and	35	11	30	0	28	7. Tax Debts	1	1	2	1	5			
Suppliers	33	11	50	Ü	20	Other Short Term Debts	6	5	3	1	2			
Payments Due on Commercial Loans	0	0	0	0	0	9. Provisions	0	0	0	0	0			
Granted incl. Advances	Ü	Ü	· ·		Ů	II. Incomes for Future Periods and	0	0	0	0	0			
 Juridical and Sentenced Payments Due 	0	0	0	0	0	Finansing								
						D. Finansing	0	0	0	0	0			
Taxes on Recuperation	0	0	0	0	0	For Long Term Assets	0	0	0	0	0			
6. Other Short Term Payments Due	0	0	0	0	0	For Current Activities	0	0	0	0	0			
III. Short Term Finansial Assets	0	0	0	0	0									
Finansial Assets from Linked	0	0	0	0	0									
Enterprises														
Bought Back Own Debt Securities	0	0	0	0	0									
3. Short Term Securities	0	0	0	0	0									
Precious Metals and Jewellry Other Short Torres Financial Access	0	0	0	0	0									
5. Other Short Term Finansial Assets	0	0	0	0	0									
IV. Monetary Sources 1. Monetary Sources in Cash	3	31	3	25	32									
Monetary Sources in Cash Monetary Sources on Bank Deposits	3	9	0	7	10									
2. Monetary Sources on Bank Deposits	0	22	3	18	22									
3. Blocked Monetary Reserves	0	0	0	0	0									
Money Equivalents	0	0	0	0	0									
V. Expenses on Future Periods	0	0	0	0	0									
Total	973	744	706	666	672	Total	973	744	706	666	672			

Total 973 744 706 666 Source: Ministry of Finance and Ministry of Public Works and Regionmal Development.

Table 136 Balance Sheet of Byala WS&S Co. Ltd. - Byala, North Central Region (100 % Municipality Owned Entetrprise)

	(100 % Municipality Owned Entetrprise) (Unit: 1,000 Levs) Assets 2001 2002 2003 2004 2005 Liabilities 2001 2002 2003 2004 2005													
Assets	2001	2002	2003	2004	2005	Liabilities	2001	2002						
A. Non Subscribed Capital	0	0	0	0	0	A. Own Capital	6,228	4,791	4,822	4,854	0			
B. Long Term Assets	6,026	4,394	4,459	4,251	0	I. Basic Capital	1,773	312	312	312	0			
I. Lonmg Term Material Assets	6,019	4,388	4,453	4,247	0	Subscribed Capital	1,773	312	312	312				
Buildings, Lands, Forests and Other Bormon and Plantations	386	295	n.a.	n.a.		2. Additional Capital	0	0	0	0				
Permanent Plantations 2. Machinery, Works and Equipment	4.000	2 257				II. Reserves	4,478	4,473	4,473	4,470	0			
Other Long Term Material Assets	4,800 99	3,357 12	n.a. 27	n.a. 24		Emission Premia Reserve for Post-Estimate of	0	0	0	0				
Expenses on Acquisition and	,,,	12	21	24		Assets and Liabilities (Pre-	1,363	1,361	1,358	1,329				
Liquidation of Long Term Material	734	724	796	744		Estimate Reserve)	-,	-,	-,	-,				
Assets						Target Reserve	3,115	3,112	3,115	3,141	0			
II. Long Term Non Material Assets	7	6	3	1	0	a. General Reserve								
 Expenses on Foundation and 	0	0	0	0		(Additional Reserve)	3,110	5	8	11				
Enlargement	U	U	U	0		 b. Specialized Reserve 	5	0	0	0				
Research Activities Products	0	0	0	0		(Reserve by Law)								
Software incl. Patent, License, etc.	7	6	3	1		c. Other Reserve	0	3,107	3,107	3,130				
Other Long Term Non-Material Assets	0	0	0	0		III. Fianansial Result	-23	6	37	72	0			
III I Tama Financial Access		0	2	2	0	Profit/Loss Accumulated	-54	-21	5	34	0			
III. Long Term Financial Assets 1. Shares and Stocks	0	0	3	3	0	 a. Non-Divided Profit b. Uncovered Loss 	0 54	-23	5 0	34				
Investment Property	0	0	0	0		Current Operating Profit/ Loss	34	-23	U	U				
Other Long Term Securities	0	0	0	0		2. Current operating Front Loss	31	27	32	38				
Long Term Payments Due	0	0	0	0		B. Long Term Liabilities	99	0	72	104	0			
IV. Trade Reputation	0	0	0	0	0	I. Long Term Debts	99	0	4	0	0			
Positive Reputation	0	0	0	0		Debts to Linked Enterprises	0	0	0	0				
2. Negative Reputation	0	0	0	0		Debts to Finansial Institutions	0	0	0	0				
V. Expenses on Future Periods	0	0	0	0		Debts on Commercial Loans	0	0	0	0				
C. Short Term Assets	638	679	652	901	0	4. Taxes Postponed	0	0	0	0				
I. Short Term Material Assets	152	153	172	154	0	Other Long Term Liabilities	99	0	4	0				
Materials	151	153	171	154		II. Incomes for Future Periods and	0	0	68	104				
2. Production	0	0	0	0		Finansing								
3. Goods	1	0	1	0		C. Short Term Liabilities	264	282	217	194	0			
Young and Small Animals and Animals for Meat	0	0	0	0		I. Short Term Debts Debts to Linked Enterprises	264	212	217	194	0			
Non-Finished Production	0	0	0	0		Debts to Eliked Elikerprises Debts to Finansial Institutions	0	0	0	0				
Other Short Term Material Assets	0	0	0	0		Debts to Finalistal Institutions Debts to Suppliers and Clients	24	11	65	10				
II. Short Term Payment Due	276	391	338	484	0	Debts on Commercial Loans	0	0	0	0				
Payments Due from Linked Enterprises					· ·	5. Debts to Personnel	77	78	50	44				
,	0	0	0	0		Debts to Insurance	27	39	27	35				
2. Payments Due from Clients and	276	212	1.45	226		7. Tax Debts	20	46	27	57				
Suppliers	276	312	147	326		8. Other Short Term Debts	116	38	48	48				
3. Payments Due on Commercial Loans	0	0	0	0		9. Provisions	0	0	0	0				
Granted incl. Advances	U	U	U	U		II. Incomes for Future Periods and	0	70	0	0				
 Juridical and Sentenced Payments Due 	0	55	191	158		Finansing								
						D. Finansing	73	0	0	0	0			
5. Taxes on Recuperation	0	0	0	0		For Long Term Assets	73	0	0	0	0			
6. Other Short Term Payments Due	0	24	0	0	0	For Current Activities	0	0	0	0	0			
III. Short Term Finansial Assets 1. Finansial Assets from Linked	0	0	0	0	0									
Enterprises	0	0	0	0										
Bought Back Own Debt Securities	0	0	0	0										
Short Term Securities	0	0	0	0										
Precious Metals and Jewellry	0	0	0	0										
5. Other Short Term Finansial Assets	0	0	0	0										
IV. Monetary Sources	210	135	142	263	0									
 Monetary Sources in Cash 	4	4	5	9										
Monetary Sources on Bank Deposits	206	131	137	254										
		131	13/	234										
Blocked Monetary Reserves	0	0	0	0										
Money Equivalents	0	0	0	0										
V. Expenses on Future Periods	0	0	0	0		Total		F 052						
Total (Note) Lack of data in parts of detail	6,664	5,073	5,111	5,152	0	Total	6,664	5,073	5,111	5,152	0			

(Note) Lack of data in parts of detail.

Source: Ministry of Finance and Ministry of Public Works and Regionmal Development.

Table 137 Balance Sheet of Dupnitsa WS&S Co. Ltd. - Dupnitsa, South West Region (100 % Municipality Owned Entetrprise)

	Condition Cond													
Assets	2001	2002	2003	2004	2005	Liabilities	2001	2002		. ,				
A. Non Subscribed Capital	0	0	0	0	0	A. Own Capital	3,116	2,115	2,084	1,657	1,488			
B. Long Term Assets	2,855	1,859	1,876	1,737	1,691	I. Basic Capital	1,208	103	103	103	103			
I. Lonmg Term Material Assets	2,835	1,846	1,862	1,726	1,678	 Subscribed Capital 	1,208	103	103	103	103			
 Buildings, Lands, Forests and Other 	152	137	n.a.	n.a.	140	Additional Capital	0	0	0	0	0			
Permanent Plantations	132	157	11.4.	n.a.		II. Reserves	1,768	1,908	2,012	2,011	1,977			
Machinery, Works and Equipment	2,427	1,696	n.a.	n.a.	1,521	Emission Premia	0	0	0	0	0			
Other Long Term Material Assets	256	13	12	10	10	 Reserve for Post-Estimate of Assets and Liabilities (Pre- 								
Expenses on Acquisition and Lincoln Street Acquisition and					_	Estimate Reserve)	407	407	407	407	372			
Liquidation of Long Term Material Assets	0	0	15	0	7	· ·	1.261	1.501	1.605	1.604	1.605			
II. Long Term Non Material Assets	19	12	13	10	9	Target Reserve a. General Reserve	1,361	1,501	1,605	1,604	1,605			
Expenses on Foundation and	19	12	13	10	9	a. General Reserve (Additional Reserve)	1,361	0	0	0	0			
Enlargement	0	0	0	0	0	b. Specialized Reserve								
Research Activities Products	0	0	0	0	0	(Reserve by Law)	0	0	0	0	0			
Software incl. Patent, License, etc.	19	8	9	8	8	c. Other Reserve	0	1,501	1,605	1,604	1,605			
4. Other Long Term Non-Material Assets						III. Fianansial Result	140	104	-31	-457	-592			
•	0	4	4	2	1	Profit/Loss Accumulated	-105	0	0	-31	-422			
III. Long Term Financial Assets	1	1	1	1	1	 a. Non-Divided Profit 	0	0	0	0	35			
 Shares and Stocks 	1	1	1	1	1	 b. Uncovered Loss 	105	0	0	-31	-457			
Investment Property	0	0	0	0	0	Current Operating Profit/ Loss	245	104	-31	-426	-170			
Other Long Term Securities	0	0	0	0	0		243	104	-31	-420	-170			
 Long Term Payments Due 	0	0	0	0	0	B. Long Term Liabilities	0	14	14	12	32			
IV. Trade Reputation	0	0	0	0	0	I. Long Term Debts	0	0	1	0	21			
Positive Reputation	0	0	0	0	0	Debts to Linked Enterprises	0	0	0	0	0			
Negative Reputation	0	0	0	0	0	2. Debts to Finansial Institutions	0	0	0	0	0			
V. Expenses on Future Periods	0	0	0	0	3	Debts on Commercial Loans	0	0	1	0	21			
C. Short Term Assets I. Short Term Material Assets	668 101	636 127	666 126	554 104	528 117	Taxes Postponed Other Long Term Liabilities	0	0	0	0	0			
Short Term Material Assets Materials					117	II. Incomes for Future Periods and	0	0	0	0	0			
2. Production	100 0	126 0	125 0	104 0	0	Finansing	0	14	13	12	11			
3. Goods	1	1	1	0	0	C. Short Term Liabilities	391	366	444	622	699			
Young and Small Animals and						I. Short Term Debts	391	366	444	622	699			
Animals for Meat	0	0	0	0	0	Debts to Linked Enterprises	0	0	0	0	0			
Non-Finished Production	0	0	0	0	0	Debts to Finansial Institutions	0	0	0	0	0			
6. Other Short Term Material Assets	0	0	0	0	0	 Debts to Suppliers and Clients 	64	33	192	191	43			
II. Short Term Payment Due	322	405	488	404	386	4. Debts on Commercial Loans	0	0	0	0	0			
1. Payments Due from Linked Enterprises	0	0	0	0		Debts to Personnel	55	65	31	32	27			
	U	U	U	U		Debts to Insurance	18	19	20	14	16			
Payments Due from Clients and	318	316	377	257	260	7. Tax Debts	40	25	17	19	21			
Suppliers	316	310	311	231	200	Other Short Term Debts	214	224	184	311	384			
Payments Due on Commercial Loans	3	0	0	0		9. Provisions	0	0	0	55	208			
Granted incl. Advances	,	· ·	Ü	· ·		II. Incomes for Future Periods and	0	0	0	0	0			
Juridical and Sentenced Payments Due	0	84	64	101	124	Finansing								
		_			_	D. Finansing	16	0	0	0	0			
5. Taxes on Recuperation	0	5	46	45	0	For Long Term Assets	16	0	0	0	0			
6. Other Short Term Payments Due	1	0	1	1	2	For Current Activities	0	0	0	0	0			
III. Short Term Finansial Assets 1. Finansial Assets from Linked	0	0	0	0	0									
Enterprises	0	0	0	0	0									
Bought Back Own Debt Securities	0	0	0	0	0									
Short Term Securities	0	0	0	0	0									
Precious Metals and Jewellry	0	0	0	0	0									
Other Short Term Finansial Assets	0	0	0	0	0									
IV. Monetary Sources	237	98	44	41	16									
Monetary Sources in Cash	5	13	9	7	14									
Monetary Sources on Bank Deposits														
•	232	85	35	34	2									
Blocked Monetary Reserves	0	0	0	0	0									
4. Money Equivalents	0	0	0	0	0									
V. Expenses on Future Periods	8	6	8	5	9									
Total	3,523	2,495	2,542	2,291	2,219	Total	3,523	2,495	2,542	2,291	2,219			

Total 3,523 2,495 2,542 2,291 Source: Ministry of Finance and Ministry of Public Works and Regionmal Development.

Table 138 Balance Sheet of Kresna WS&S Co. Ltd. - Kresna, South West Region (100 % Municipality Owned Entetrprise)

			ν.	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		anty O	whea Enteuphise)			(Unit: 1,00	0 Levs)
	Assets	2001	2002	2003	2004	2005	Liabilities	2001	2002	2003	2004	2005
A. Non	Subscribed Capital	0	0	0	0	0	A. Own Capital	362	248	249	255	256
B. Long	Term Assets	307	186	175	174	161	I. Basic Capital	298	186	186	5	5
I. Lo	nmg Term Material Assets	307	186	175	174	161	 Subscribed Capital 	298	186	186	5	5
1.	Buildings, Lands, Forests and Other	1	0	n.a.	n.a.	0	Additional Capital	0	0	0	0	0
	Permanent Plantations	1	U	п.а.	II.a.	U	II. Reserves	56	56	56	237	237
2.	Machinery, Works and Equipment	301	184	n.a.	n.a.	160	Emission Premia	0	0	0	0	0
3.	Other Long Term Material Assets	5	2	1	2	1	Reserve for Post-Estimate of					
4.	Expenses on Acquisition and						Assets and Liabilities (Pre-	56	56	56	237	237
	Liquidation of Long Term Material	0	0	0	0	0	Estimate Reserve)					
	Assets						Target Reserve	0	0	0	0	0
II. Lo	ong Term Non Material Assets	0	0	0	0	0	 a. General Reserve 	0	0	0	0	0
1.	Expenses on Foundation and	0	0	0	0	0	(Additional Reserve)	Ü	U	Ü	U	Ü
	Enlargement	Ü	U	Ü	U	٧	 b. Specialized Reserve 	0	0	0	0	0
2.	Research Activities Products	0	0	0	0	0	(Reserve by Law)	Ü	·	v	· ·	Ů
3.	Software incl. Patent, License, etc.	0	0	0	0	0	c. Other Reserve	0	0	0	0	0
4.	Other Long Term Non-Material Assets	0	0	0	0	0	III. Fianansial Result	8	6	7	13	14
		Ü	v	Ů	Ü	Ů	Profit/Loss Accumulated	4	7	6	6	13
III. L	ong Term Financial Assets	0	0	0	0	0	 a. Non-Divided Profit 	4	7	7	7	14
1.	Shares and Stocks	0	0	0	0	0	 b. Uncovered Loss 	0	0	-1	-1	-1
2.	Investment Property	0	0	0	0	0	Current Operating Profit/ Loss	4	-1	1	7	1
3.	Other Long Term Securities	0	0	0	0	0		7	-1	1	,	1
4.	Long Term Payments Due	0	0	0	0	0	B. Long Term Liabilities	0	0	0	0	0
IV. T	rade Reputation	0	0	0	0	0	I. Long Term Debts	0	0	0	0	0
1.	Positive Reputation	0	0	0	0	0	 Debts to Linked Enterprises 	0	0	0	0	0
2.	Negative Reputation	0	0	0	0	0	Debts to Finansial Institutions	0	0	0	0	0
V. E	xpenses on Future Periods	0	0	0	0	0	Debts on Commercial Loans	0	0	0	0	0
C. Shor	t Term Assets	69	89	93	106	115	 Taxes Postponed 	0	0	0	0	0
I. Sh	ort Term Material Assets	25	30	24	25	35	Other Long Term Liabilities	0	0	0	0	0
1.	Materials	25	30	24	25	35	II. Incomes for Future Periods and	0	0	0	0	0
2.	Production	0	0	0	0	0	Finansing	U	U	U	U	U
3.	Goods	0	0	0	0	0	C. Short Term Liabilities	11	27	19	25	20
4.	Young and Small Animals and	0	0	0	0	0	I. Short Term Debts	11	24	19	25	20
	Animals for Meat	U	U	U	U	U	 Debts to Linked Enterprises 	0	0	0	0	0
5.	Non-Finished Production	0	0	0	0	0	Debts to Finansial Institutions	0	0	0	0	0
6.	Other Short Term Material Assets	0	0	0	0	0	Debts to Suppliers and Clients	0	0	0	5	11
II. Sh	ort Term Payment Due	30	21	30	47	31	 Debts on Commercial Loans 	0	0	0	0	0
1.	Payments Due from Linked Enterprises	0	0	0	0	0	Debts to Personnel	5	6	6	4	1
		U	U	U	U	٥	Debts to Insurance	1	1	2	3	1
2.	Payments Due from Clients and	19	11	21	22	22	7. Tax Debts	5	7	5	3	7
	Suppliers	19	11	21	33	22	Other Short Term Debts	0	10	6	10	0
3.	Payments Due on Commercial Loans	0	0	0	0	0	9. Provisions	0	0	0	0	0
	Granted incl. Advances	U	U	U	U	٥	II. Incomes for Future Periods and	0	2	0	0	0
4.	Juridical and Sentenced Payments Due	0	0	0	0	0	Finansing	U	3	0	U	0
		U	U	U	U	٥	D. Finansing	3	0	0	0	0
5.	Taxes on Recuperation	3	2	1	1	1	 For Long Term Assets 	1	0	0	0	0
6.	Other Short Term Payments Due	8	8	8	13	8	For Current Activities	2	0	0	0	0
III. S	hort Term Finansial Assets	0	0	0	0	0						
1.	Finansial Assets from Linked	0										
	Enterprises	0	0	0	0	0						
2.	Bought Back Own Debt Securities	0	0	0	0	0						
3.	Short Term Securities	0	0	0	0	0						
4.	Precious Metals and Jewellry	0	0	0	0	0						
5.	Other Short Term Finansial Assets	0	0	0	0	0						
IV. N	Ionetary Sources	14	38	39	34	49						
1.	Monetary Sources in Cash	1	1	2	2	30						
2.	Monetary Sources on Bank Deposits											
	-	13	37	37	32	19						
3.	Blocked Monetary Reserves	0	0	0	0	0						
4.	Money Equivalents	0	0	0	0	0						
V. E	xpenses on Future Periods	0	0	0	0	0						
Total		376	275	268	280	276	Total	376	275	268	280	276

Total 376 275 268 280 Source: Ministry of Finance and Ministry of Public Works and Regionmal Development.

Table 139 Balance Sheet of Meden Kladenets WS&S Co. Ltd. - Meden Kladenets, South East Region (100 % Municipality Owned Entetrprise)

(Unit: 1,000 Levs) Assets 2001 2002 2003 2004 2001 2002 2003 2004 2005 A. Non Subscribed Capital A. Own Capital 2.098 1.448 1.429 1.429 1,445 I. Basic Capital 51 B. Long Term Assets 2.095 1.553 1.515 0 705 51 51 0 I. Lonmg Term Material Assets 2,091 1,544 1,497 1,427 1. Subscribed Capital 705 51 51 51 1. Buildings, Lands, Forests and Other 2. Additional Capital 0 0 0 0 167 124 n.a Permanent Plantations II. Reserves 1,372 1,385 1,372 1,349 Machinery, Works and Equipment 1.842 1.385 Emission Premia 0 n.a. n.a. 0 0 0 Reserve for Post-Estimate of Other Long Term Material Assets 5 65 6 Expenses on Acquisition and Assets and Liabilities (Pre-289 287 273 250 Estimate Reserve) Liquidation of Long Term Material 17 29 127 170 Assets Target Reserve 1,083 1,098 1,099 1,099 II. Long Term Non Material Assets a. General Reserve 3 10 10 0 1.083 0 0 0 1. Expenses on Foundation and (Additional Reserve) 0 0 0 0 Enlargement b. Specialized Reserve 0 0 0 0 (Reserve by Law) Research Activities Products 0 Software incl. Patent, License, etc. c. Other Reserve 1,098 1,099 1,099 2 4. Other Long Term Non-Material Assets III. Fianansial Result 21 12 29 6 8 1. Profit/Loss Accumulated 13 29 III. Long Term Financial Assets 8 0 a. Non-Divided Profit 13 29 b. Uncovered Loss 1. Shares and Stocks 0 0 2. Investment Property 2. Current Operating Profit/ Loss 11 4 0 8 Other Long Term Securities B. Long Term Liabilities 4. Long Term Payments Due 8 311 308 302 I. Long Term Debts IV. Trade Reputation 1. Positive Reputation 0 1. Debts to Linked Enterprises 2. Negative Reputation 2. Debts to Finansial Institutions V. Expenses on Future Periods 3. Debts on Commercial Loans 0 C. Short Term Assets 4. Taxes Postponed 451 781 I. Short Term Material Assets 73 114 131 258 5. Other Long Term Liabilities 0 0 0 1. Materials II. Incomes for Future Periods and 131 258 0 311 299 288 Production Finansing 0 Goods 0 Short Term Liabilities 227 245 328 495 0 0 4. Young and Small Animals and I Short Term Debts 227 245 328 495 0 0 0 0 Animals for Meat 1 Debts to Linked Enterprises 5 Non-Finished Production 0 0 0 0 2 Debts to Finansial Institutions 0 0 0 6. Other Short Term Material Assets 3 Debts to Suppliers and Clients 123 0 0 0 128 173 351 II. Short Term Payment Due 344 327 391 507 0 4 Debts on Commercial Loans 1. Payments Due from Linked Enterprises 5 Debts to Personnel 42 57 67 61 0 0 0 0 6. Debts to Insurance 17 28 22 Tax Debts 2. Payments Due from Clients and 18 12 23 19 339 315 365 464 Suppliers 8 Other Short Term Debts 37 31 37 42 Payments Due on Commercial Loans 9 Provisions 0 0 0 0 0 0 0 Granted incl. Advances II. Incomes for Future Periods and 0 0 0 4. Juridical and Sentenced Payments Due Finansing 0 0 0 Finansing 204 n 0 0 5. Taxes on Recuperation q 11 13 1 For Long Term Assets 204 0 0 0 6. Other Short Term Payments Due 15 30 2 For Current Activities 0 0 0 III. Short Term Finansial Assets 0 0 0 0 1. Finansial Assets from Linked Enterprises 2. Bought Back Own Debt Securities 0 0 3. Short Term Securities 0 0 0 0 4 Precious Metals and Jewellry 0 0 0 0 5. Other Short Term Finansial Assets 0 0 0 0 IV. Monetary Sources 15 24 10 1. Monetary Sources in Cash 0 0 0 0 2. Monetary Sources on Bank Deposits 15 24 10 3. Blocked Monetary Reserves 0 0 0 0 4. Money Equivalents 0 0 0 0 V. Expenses on Future Periods Total 2 529 2 004 2 065 2 226 Total 2 529 2 004 2 065 2 226 (Note) Lack of data in parts of detail.

Source: Ministry of Finance and Ministry of Public Works and Regionmal Development.

Table 140 Balance Sheet of Peshtera WS&S Co. Ltd. - Peshtera, South Central Region (100 % Municipality Owned Entetrprise)

	Control Cont													
Assets	2001	2002	2003	2004	2005	Liabilities	2001	2002						
A. Non Subscribed Capital	0	0	0	0	0	A. Own Capital	757	587	612	618	617			
B. Long Term Assets	874	731	669	695	661	I. Basic Capital	257	19	19	19	19			
I. Lonmg Term Material Assets	873	730	669	685	654	 Subscribed Capital 	257	19	19	19	19			
 Buildings, Lands, Forests and Other 	86	142	n.a.	n.a.	126	Additional Capital	0	0	0	0	0			
Permanent Plantations	80	142	п.а.	II.a.	120	II. Reserves	447	485	471	471	471			
Machinery, Works and Equipment	777	586	n.a.	n.a.	522	Emission Premia	0	0	0	0	0			
Other Long Term Material Assets	6	2	1	1	1	Reserve for Post-Estimate of								
Expenses on Acquisition and						Assets and Liabilities (Pre- Estimate Reserve)	11	84	84	84	84			
Liquidation of Long Term Material	4	0	0	5	5									
Assets					_	3. Target Reserve	436	401	387	387	387			
II. Long Term Non Material Assets	1	1	0	10	7	a. General Reserve (Additional Reserve)	436	0	0	0	0			
Expenses on Foundation and Enlargement	0	0	0	10	0	` '								
Research Activities Products	0	0	0	0	0	b. Specialized Reserve (Reserve by Law)	0	0	0	0	0			
Software incl. Patent, License, etc.	1	1	0	0	7	c. Other Reserve	0	401	387	387	387			
Other Long Term Non-Material Assets	1	1	U	U		III. Fianansial Result	53	83	122	128	127			
4. Other Long Term Non-Waterian Assets	0	0	0	0	0	Profit/Loss Accumulated	33	51	81	116	118			
III. Long Term Financial Assets	0	0	0	0	0	a. Non-Divided Profit	33	51	81	116	118			
Shares and Stocks	0	0	0	0	0	b. Uncovered Loss	0	0	0	0	0			
Investment Property	0	0	0	0	0	Current Operating Profit/ Loss								
Other Long Term Securities	0	0	0	0	0	2. Current operating From 2000	20	32	41	12	9			
Long Term Payments Due	0	0	0	0	0	B. Long Term Liabilities	0	33	20	7	0			
IV. Trade Reputation	0	0	0	0	0	I. Long Term Debts	0	33	20	7	0			
Positive Reputation	0	0	0	0	0	Debts to Linked Enterprises	0	0	0	0	0			
Negative Reputation	0	0	0	0	0	Debts to Finansial Institutions	0	0	0	0	0			
V. Expenses on Future Periods	0	0	0	0	0	Debts on Commercial Loans	0	0	0	0	0			
C. Short Term Assets	120	137	214	188	0	Taxes Postponed	0	0	0	0	0			
I. Short Term Material Assets	16	25	32	33	0	Other Long Term Liabilities	0	33	20	7	0			
1. Materials	16	25	32	33	0	II. Incomes for Future Periods and	0		0					
2. Production	0	0	0	0	0	Finansing	0	0	0	0	0			
3. Goods	0	0	0	0	0	C. Short Term Liabilities	23	248	251	258	44			
4. Young and Small Animals and	0	0	0	0	0	I. Short Term Debts	23	48	47	88	0			
Animals for Meat	U	U	U	U	٥	 Debts to Linked Enterprises 	0	0	0	0	0			
Non-Finished Production	0	0	0	0	0	Debts to Finansial Institutions	0	0	0	0	0			
Other Short Term Material Assets	0	0	0	0	0	Debts to Suppliers and Clients	7	10	9	45	0			
II. Short Term Payment Due	48	72	93	103	0	Debts on Commercial Loans	0	0	0	0	0			
 Payments Due from Linked Enterprises 	0	0	0	0	0	Debts to Personnel	5	8	9	10	0			
	· ·	Ü	Ü	0	Ů	Debts to Insurance	4	4	6	8	0			
Payments Due from Clients and	47	57	78	92	0	7. Tax Debts	5	13	10	8	0			
Suppliers	.,	5,	,,,		Ů	Other Short Term Debts	2	13	13	17	0			
Payments Due on Commercial Loans	0	0	0	0	0	9. Provisions	0	0	0	0	0			
Granted incl. Advances						II. Incomes for Future Periods and	0	200	204	170	44			
Juridical and Sentenced Payments Due	1	15	15	0	0	Finansing				_				
5 T P (D. Finansing	214	0	0	0	0			
5. Taxes on Recuperation	0	0	0	10	0	For Long Term Assets	214	0	0	0	0			
6. Other Short Term Payments Due	0	0	0	1	0	For Current Activities	0	0	0	0	0			
III. Short Term Finansial Assets	0	0	0	0	0									
Finansial Assets from Linked Enterprises	0	0	0	0	0									
·	0	0	0	0										
Bought Back Own Debt Securities Short Term Securities	0	0	0	0	0									
Precious Metals and Jewellry Other Short Term Finansial Assets	0	0	0	0	0									
IV. Monetary Sources	54	38	87	50	0									
Monetary Sources in Cash	6	36 4	4	4	0									
Monetary Sources in Cash Monetary Sources on Bank Deposits	O	4	4	4										
2. Monetary Sources on Bank Deposits	48	34	83	46	0									
3. Blocked Monetary Reserves	0	0	0	0	0									
Money Equivalents	0	0	0	0	0	1								
V. Expenses on Future Periods	2	2	2	2	0									
Total	994	868	883	883	661	Total	994	868	883	883	661			

Total 994 868 883 883 Source: Ministry of Finance and Ministry of Public Works and Regionmal Development.

Table 141 Balance Sheet of Petrich WS&S Co. Ltd. - Petrich, South West Region (100 % Municipality Owned Entetrprise)

										Unit: 1,00	
Assets	2001	2002	2003	2004	2005	Liabilities	2001	2002	2003	2004	2005
A. Non Subscribed Capital	0	0	0	0	0	A. Own Capital	929	570	575	598	597
B. Long Term Assets	1,107	701	667	624	644	I. Basic Capital	402	40	40	40	40
I. Lonmg Term Material Assets	1,107	701	667	624	628	Subscribed Capital	402	40	40	40	40
Buildings, Lands, Forests and Other Burns of Plantsting	238	200	n.a.	n.a.	188	Additional Capital	0	0	0	0	0
Permanent Plantations						II. Reserves	573	527	530	758	758
Machinery, Works and Equipment	730	501	n.a.	n.a.	434	Emission Premia	0	0	0	0	0
Other Long Term Material Assets	139	0	0	0	0	 Reserve for Post-Estimate of Assets and Liabilities (Pre- 					
4. Expenses on Acquisition and						Estimate Reserve)	0	527	530	758	758
Liquidation of Long Term Material Assets	0	0	8	17	6						
						3. Target Reserve	573	0	0	0	0
II. Long Term Non Material Assets	0	0	0	0	0	a. General Reserve	0	0	0	0	0
Expenses on Foundation and Enlorgement	0	0	0	0	0	(Additional Reserve)					
Enlargement						b. Specialized Reserve	0	0	0	0	0
2. Research Activities Products	0	0	0	0	0	(Reserve by Law)		_	_	_	_
Software incl. Patent, License, etc.	0	0	0	0	0	c. Other Reserve	573	0	0	0	0
4. Other Long Term Non-Material Assets	0	0	0	0	0	III. Fianansial Result	-46	3	5	-200	-201
						Profit/Loss Accumulated	0	0	0	-223	-200
III. Long Term Financial Assets	0	0	0	0	16	a. Non-Divided Profit	0	0	0	11	34
Shares and Stocks	0	0	0	0	0	b. Uncovered Loss	0	0	0	-234	-234
2. Investment Property	0	0	0	0	0	Current Operating Profit/ Loss	-46	3	5	23	-1
3. Other Long Term Securities	0	0	0	0	0	B		_	_	_	
4. Long Term Payments Due	0	0	0	0	16	B. Long Term Liabilities	0	0	0	0	35
IV. Trade Reputation	0	0	0	0	0	I. Long Term Debts	0	0	0	0	35
Positive Reputation	0	0	0	0	0	Debts to Linked Enterprises	0	0	0	0	0
Negative Reputation	0	0	0	0	0	Debts to Finansial Institutions	0	0	0	0	0
V. Expenses on Future Periods	0	0	0	0	0	3. Debts on Commercial Loans	0	0	0	0	0
C. Short Term Assets	78	32	47	84	117	4. Taxes Postponed	0	0	0	0	0
I. Short Term Material Assets	14	15	13	13	16	Other Long Term Liabilities	0	0	0	0	35
1. Materials	14	15	13	12	14	II. Incomes for Future Periods and	0	0	0	0	0
2. Production	0	0	0	0	0	Finansing					
3. Goods	0	0	0	1	2	C. Short Term Liabilities	256	163	139	110	129
Young and Small Animals and	0	0	0	0	0	I. Short Term Debts	256	163	139	110	129
Animals for Meat						Debts to Linked Enterprises	0	0	0	0	0
Non-Finished Production	0	0	0	0	0	Debts to Finansial Institutions	0	0	0	0	0
Other Short Term Material Assets	0	0	0	0	0	Debts to Suppliers and Clients	216	94	19	16	11
II. Short Term Payment Due	47	1	16	64	97	Debts on Commercial Loans	0	0	0	0	0
Payments Due from Linked Enterprises	0	0	0	0	0	Debts to Personnel	10	10	16	28	41
			-			Debts to Insurance	10	9	17	16	23
Payments Due from Clients and	47	1	15	61	97	7. Tax Debts	14	26	25	31	24
Suppliers	.,	•	10	0.	- /	Other Short Term Debts	6	24	62	19	30
Payments Due on Commercial Loans	0	0	0	0	0	9. Provisions	0	0	0	0	0
Granted incl. Advances						II. Incomes for Future Periods and	0	0	0	0	0
 Juridical and Sentenced Payments Due 	0	0	0	0	0	Finansing			Ü		0
			Ü			D. Finansing	0	0	0	0	0
Taxes on Recuperation	0	0	0	3	0	For Long Term Assets	0	0	0	0	0
Other Short Term Payments Due	0	0	1	0	0	For Current Activities	0	0	0	0	0
III. Short Term Finansial Assets	0	0	0	0	0						
 Finansial Assets from Linked 	0	0	0	0	0						
Enterprises	U	Ü	U	U	٥						
Bought Back Own Debt Securities	0	0	0	0	0						
Short Term Securities	0	0	0	0	0						
 Precious Metals and Jewellry 	0	0	0	0	0	1					
Other Short Term Finansial Assets	0	0	0	0	0						
IV. Monetary Sources	17	16	18	7	4	1					
 Monetary Sources in Cash 	0	0	0	0	0						
2. Monetary Sources on Bank Deposits	17	16	18	7	4						
Blocked Monetary Reserves	0	0	0	0	0						
Money Equivalents	0	0	0	0	0						
V. Expenses on Future Periods	0	0	0	0	0						
Total	1,185	733	714	708	761	Total	1,185	733	714	708	761

Total 1,185 733 714 708
Source: Ministry of Finance and Ministry of Public Works and Regionmal Development.

Table 142 Balance Sheet of Sofia WS&S PJS Co.* - Sofia Capital, South West Region (100 % Municipality Owned Entetrprise)

	(100 % Municipality Owned Entetrprise) (Unit: 1,000 Levs)											
-	Assets	2001	2002	2003	2004	2005	Liabilities	2001	2002	2003	2004	2005
A. Non S	Subscribed Capital	0	0	0	0	0	A. Own Capital	23,169	11,014	13,201	13,202	0
B. Long	Term Assets	13,470	7,268	7,009	6,520	0	I. Basic Capital	26,446	12,228	12,228	12,228	0
I. Lon	mg Term Material Assets	9,817	5,321	4,793	4,319	0	 Subscribed Capital 	9,507	12,228	12,228	12,228	
1.	Buildings, Lands, Forests and Other	6,701	3,889	n.a.	n.a.		Additional Capital	16,939	0	0	0	
	Permanent Plantations	0,701	3,009	п.а.	п.а.		II. Reserves	154	0	0	12	0
2.	Machinery, Works and Equipment	1,893	1,321	n.a.	n.a.		 Emission Premia 	0	0	0	0	
3.	Other Long Term Material Assets	1,024	67	33	28		Reserve for Post-Estimate of					
4.	Expenses on Acquisition and						Assets and Liabilities (Pre- Estimate Reserve)	0	0	0	0	
	Liquidation of Long Term Material	199	44	15	0							
	Assets						Target Reserve	154	0	0	12	0
	ng Term Non Material Assets	599	7	6	51	0	a. General Reserve	0	0	0	12	
1.	Expenses on Foundation and	0	0	0	0		(Additional Reserve)					
2	Enlargement	0		0			b. Specialized Reserve (Reserve by Law)	154	0	0	0	
2.	Research Activities Products	0	0 1	0	0			0	0	0	0	
3. 4.	Software incl. Patent, License, etc.	1	1	1	3		c. Other Reserve	2 421	0	0	0	0
4.	Other Long Term Non-Material Assets	598	6	5	48		III. Fianansial Result 1. Profit/Loss Accumulated	-3,431	-1,214 -739	973 849	962 788	0
што	ong Term Financial Assets	2.054	1 790	2,077	2.077	0	a. Non-Divided Profit	-3,205 661			868	U
11. 120	Shares and Stocks	3,054 1,557	1,789 1,783	2,077	2,077 2,039	U	b. Uncovered Loss	3,866	-739	2,174 -1,325	-80	
2.	Investment Property	0	0	2,039	2,039		Current Operating Profit/ Loss	3,800	-/37	-1,323	-80	
3.	Other Long Term Securities	1,497	6	6	6		2. Current Operating Front Loss	-226	-475	124	174	
4.	Long Term Payments Due	0	0	32	32		B. Long Term Liabilities	40	1,502	1,404	658	0
	ade Reputation	0	0	0	0	0	I. Long Term Debts	40	83	25	5	0
1.	Positive Reputation	0	0	0	0	Ů	Debts to Linked Enterprises	0	0	0	0	· ·
2.	Negative Reputation	0	0	0	0		Debts to Finansial Institutions	0	0	0	0	
	penses on Future Periods	0	151	133	73		Debts on Commercial Loans	0	0	0	0	
	Term Assets	21,465	7,174	8,863	8,063	0	4. Taxes Postponed	0	0	12	5	
I. Sho	rt Term Material Assets	1,922	1,346	1,243	1,247	0	Other Long Term Liabilities	40	83	13	0	
1.	Materials	1,903	1,204	1,103	1,107		II. Incomes for Future Periods and		1 410	1.270	653	
2.	Production	0	0	0	0		Finansing	0	1,419	1,379	653	
3.	Goods	0	0	0	0		C. Short Term Liabilities	10,832	1,926	1,267	723	0
4.	Young and Small Animals and	0	0	0	0		I. Short Term Debts	10,197	1,900	1,241	702	0
	Animals for Meat	U	U	Ü	0		 Debts to Linked Enterprises 	7,112	0	0	29	
5.	Non-Finished Production	19	142	140	140		Debts to Finansial Institutions	1,306	0	0	0	
6.	Other Short Term Material Assets	0	0	0	0		Debts to Suppliers and Clients	57	588	595	386	
II. Sho	ort Term Payment Due	18,406	5,055	4,301	1,816	0	 Debts on Commercial Loans 	0	0	0	0	
1.	Payments Due from Linked Enterprises	17,792	0	649	213		Debts to Personnel	55	62	58	52	
		.,					6. Debts to Insurance	9	24	28	26	
2.	Payments Due from Clients and	129	1,616	454	462		7. Tax Debts	838	383	100	93	
_	Suppliers		,				8. Other Short Term Debts	820	843	408	73	
3.	Payments Due on Commercial Loans	19	0	0	0		9. Provisions	0	0	52	43	
4	Granted incl. Advances						II. Incomes for Future Periods and Finansing	635	26	26	21	
4.	Juridical and Sentenced Payments Due	99	521	587	775		D. Finansing	004				0
5.	Tayor on Recommendian	270	(2	115	90		For Long Term Assets	894 894	0	0	0	0
6.	Taxes on Recuperation Other Short Term Payments Due	97	63 2,855	115 2,496	276		For Current Activities	0 0	0	0	0	0
	ort Term Finansial Assets	97	2,833	2,490	0	0	2. To current retryines	U	U	U	U	U
111. 511	Finansial Assets from Linked	U	U	U	U	U						
•	Enterprises	0	0	0	0							
2.	Bought Back Own Debt Securities	0	0	0	0							
3.	Short Term Securities	0	0	0	0							
4.	Precious Metals and Jewellry	0	0	0	0							
5.	Other Short Term Finansial Assets	0	0	0	0							
	onetary Sources	1,005	764	3,311	4,989	0						
1.	Monetary Sources in Cash	12	9	11	18							
2.	Monetary Sources on Bank Deposits	993	755	1,300	967							
3.	Blocked Monetary Reserves	0	0	2,000	4,004							
4.	Money Equivalents	0	0	0	0							
	penses on Future Periods	132	9	8	11		Total	24.025	14 / / 2	15.050	14.503	
Total		34,935	14,442	15,872	14,583	0	Total	34,935	14,442	15,872	14,583	0

Source: Ministry of Finance and Ministry of Public Works and Regionmal Development.

⁽Note 1) Lack of data in parts of detail.
(Note 2) Sofyiska Voda PJSC took over the operation of the water supply and wastewater treatment services of Capital Sofia throught a 25-year concession agreement signed between Sofia and the International Water United Utilities. Currently, the share of the firm is allocated between the Municipality Sofia with 25 % and the International Water United Utilities/EBRD

Table 143 Balance Sheet of Steneto WS&S Co. Ltd. - Troyan, North Central Region (100 % Municipality Owned Entetrprise)

(100 % Municipality Owned Entetrprise) (Unit: 1,000 Levs)											
Assets	2001	2002	2003	2004	2005	Liabilities	2001	2002	2003	2004	2005
A. Non Subscribed Capital	0	0	0	0	0	A. Own Capital	2,594	1,898	2,427	2,529	2,726
B. Long Term Assets	2,458	1,635	2,255	2,295	2,424	I. Basic Capital	908	39	40	40	40
I. Lonmg Term Material Assets	2,449	1,625	2,227	2,260	2,375	 Subscribed Capital 	908	39	40	40	40
 Buildings, Lands, Forests and Other 	104	76	n.a.	n.a.	2,082	Additional Capital	0	0	0	0	0
Permanent Plantations	104	70	II.a.	п.а.	2,062	II. Reserves	1,550	1,546	2,071	2,056	2,047
Machinery, Works and Equipment	2,259	1,538	n.a.	n.a.	292	Emission Premia	0	0	0	0	0
Other Long Term Material Assets	86	8	2	1	1	Reserve for Post-Estimate of					
Expenses on Acquisition and						Assets and Liabilities (Pre- Estimate Reserve)	439	439	971	962	953
Liquidation of Long Term Material	0	3	11	0	0						
Assets		_				3. Target Reserve	1,111	1,107	1,100	1,094	1,094
II. Long Term Non Material Assets	9	7	12	8	15	a. General Reserve (Additional Reserve)	1,111	0	0	0	0
Expenses on Foundation and Enlargement	0	2	0	0	0	` ′					
*	0	0	0	7	1.4	b. Specialized Reserve (Reserve by Law)	0	0	0	0	0
 Research Activities Products Software incl. Patent, License, etc. 	5	2	8 2	0	14 0		0	1 107	1 100	1.004	1.004
 Software incl. Patent, License, etc. Other Long Term Non-Material Assets 	3	2	2	U	0	c. Other Reserve III. Fianansial Result	0 136	1,107 313	1,100 316	1,094 433	1,094 639
4. Other Long Term Non-Waterial Assets	4	3	2	1	1	Profit/Loss Accumulated	0	102	254	306	410
III. Long Term Financial Assets	0	0	0	0	0	a. Non-Divided Profit	0	102	254	306	410
Shares and Stocks	0	0	0	0	0	b. Uncovered Loss	0	0	0	0	0
Investment Property	0	0	0	0	0	Current Operating Profit/ Loss					
Other Long Term Securities	0	0	0	0	0	2. Current operating Front 2000	136	211	62	127	229
Long Term Payments Due	0	0	0	0	0	B. Long Term Liabilities	13	10	32	51	37
IV. Trade Reputation	0	0	0	0	0	I. Long Term Debts	13	3	0	0	0
Positive Reputation	0	0	0	0	0	Debts to Linked Enterprises	0	0	0	0	0
Negative Reputation	0	0	0	0	0	Debts to Finansial Institutions	0	0	0	0	0
V. Expenses on Future Periods	0	3	16	27	34	Debts on Commercial Loans	0	0	0	0	0
C. Short Term Assets	323	401	387	479	620	4. Taxes Postponed	0	0	0	0	0
I. Short Term Material Assets	55	54	70	74	95	Other Long Term Liabilities	13	3	0	0	0
 Materials 	55	54	70	74	95	II. Incomes for Future Periods and	0	7	32	51	37
2. Production	0	0	0	0	0	Finansing	U	/	32	31	3/
3. Goods	0	0	0	0	0	C. Short Term Liabilities	166	128	183	194	281
 Young and Small Animals and 	0	0	0	0	0	I. Short Term Debts	166	128	183	193	281
Animals for Meat	U	U	Ü	U		 Debts to Linked Enterprises 	0	0	0	0	0
Non-Finished Production	0	0	0	0	0	Debts to Finansial Institutions	0	0	0	0	0
Other Short Term Material Assets	0	0	0	0	0	Debts to Suppliers and Clients	18	13	67	46	78
II. Short Term Payment Due	165	199	263	306	319	Debts on Commercial Loans	0	0	0	0	0
Payments Due from Linked Enterprises	0	0	0	0	0	5. Debts to Personnel	34	32	42	42	78
						6. Debts to Insurance	22	23	18	21	34
Payments Due from Clients and	164	198	200	261	285	7. Tax Debts	65	53	43	60	65
Suppliers						8. Other Short Term Debts	27	7	13	24	26
 Payments Due on Commercial Loans Granted incl. Advances 	0	0	0	0	0	9. Provisions	0	0	0	0	0
						II. Incomes for Future Periods and Finansing	0	0	0	1	0
Juridical and Sentenced Payments Due	0	0	29	0	28	D. Finansing	8	0	0	0	0
5. Taxes on Recuperation	0	0	33	33	0	For Long Term Assets	8	0	0	0	0
Other Short Term Payments Due	1	1	1	12	6	2 For Current Activities	0	0	0	0	0
III. Short Term Finansial Assets	0	0	0	0	0	2	Ü	Ü	U	U	Ü
Finansial Assets from Linked											
Enterprises	0	0	0	0	0						
Bought Back Own Debt Securities	0	0	0	0	0						
Short Term Securities	0	0	0	0	0						
4. Precious Metals and Jewellry	0	0	0	0	0						
5. Other Short Term Finansial Assets	0	0	0	0	0						
IV. Monetary Sources	94	138	46	92	196						
Monetary Sources in Cash	2	1	0	0	9						
Monetary Sources on Bank Deposits	02		47	02	107						
	92	137	46	92	187						
Blocked Monetary Reserves	0	0	0	0	0						
4. Money Equivalents	0	0	0	0	0						
V. Expenses on Future Periods	9	10	8	7	10						
Total	2,781	2,036	2,642	2,774	3,044	Total	2,781	2,036	2,642	2,774	3,044

Total 2,781 2,036 2,642 2,774 3,044 Total Source: Ministry of Finance and Ministry of Public Works and Regionmal Development.

Table 144 Balance Sheet of Stretcha WS&S Co. Ltd. - Stretcha, South Central Region (100 % Municipality Owned Entetrprise)

(Unit: 1,000 Levs) Assets A. Non Subscribed Capital A. Own Capital I. Basic Capital B. Long Term Assets I. Lonmg Term Material Assets 1. Subscribed Capital 1. Buildings, Lands, Forests and Other 2. Additional Capital n.a Permanent Plantations II. Reserves Machinery, Works and Equipment Emission Premia n.a n.a. Reserve for Post-Estimate of Other Long Term Material Assets Expenses on Acquisition and Assets and Liabilities (Pre-Estimate Reserve) Liquidation of Long Term Material Assets Target Reserve II. Long Term Non Material Assets a. General Reserve 1. Expenses on Foundation and (Additional Reserve) Enlargement b. Specialized Reserve (Reserve by Law) Research Activities Products Software incl. Patent, License, etc. c. Other Reserve 4. Other Long Term Non-Material Assets III. Fianansial Result 1. Profit/Loss Accumulated III. Long Term Financial Assets a. Non-Divided Profit b. Uncovered Loss 1. Shares and Stocks 2. Investment Property 2. Current Operating Profit/ Loss Other Long Term Securities 4. Long Term Payments Due B. Long Term Liabilities IV. Trade Reputation I. Long Term Debts 1. Positive Reputation 1. Debts to Linked Enterprises 2. Negative Reputation 2. Debts to Finansial Institutions V. Expenses on Future Periods 3. Debts on Commercial Loans C. Short Term Assets 4. Taxes Postponed I. Short Term Material Assets 5. Other Long Term Liabilities 1. Materials II. Incomes for Future Periods and Production Finansing Goods Short Term Liabilities 4. Young and Small Animals and I Short Term Debts Animals for Meat 1 Debts to Linked Enterprises 5. Non-Finished Production 2. Debts to Finansial Institutions 6. Other Short Term Material Assets Debts to Suppliers and Clients II. Short Term Payment Due Debts on Commercial Loans 1. Payments Due from Linked Enterprises Debts to Personnel 6. Debts to Insurance Tax Debts 2. Payments Due from Clients and Suppliers 8 Other Short Term Debts Payments Due on Commercial Loans 9 Provisions Granted incl. Advances II. Incomes for Future Periods and 4. Juridical and Sentenced Payments Due Finansing D. Finansing 5. Taxes on Recuperation For Long Term Assets 6. Other Short Term Payments Due 2 For Current Activities III. Short Term Finansial Assets 1. Finansial Assets from Linked Enterprises 2. Bought Back Own Debt Securities 3. Short Term Securities 4 Precious Metals and Jewellry 5. Other Short Term Finansial Assets IV. Monetary Sources 1. Monetary Sources in Cash 2. Monetary Sources on Bank Deposits 3. Blocked Monetary Reserves 4. Money Equivalents V. Expenses on Future Periods Total Total

(Note) Lack of data in parts of detail.

Source: Ministry of Finance and Ministry of Public Works and Regionmal Development.

Table 145 Balance Sheet of Strimon WS&S Co. Ltd. - Strumyani, South West Region (100 % Municipality Owned Entetrprise)

(Unit: 1,000 Levs) Assets A. Non Subscribed Capital A. Own Capital I. Basic Capital B. Long Term Assets 1. Subscribed Capital I. Lonmg Term Material Assets 1. Buildings, Lands, Forests and Other 2. Additional Capital n.a Permanent Plantations II. Reserves Machinery, Works and Equipment Emission Premia n.a. n.a. Reserve for Post-Estimate of Other Long Term Material Assets Expenses on Acquisition and Assets and Liabilities (Pre-Estimate Reserve) Liquidation of Long Term Material Assets Target Reserve II. Long Term Non Material Assets a. General Reserve 1. Expenses on Foundation and (Additional Reserve) Enlargement b. Specialized Reserve (Reserve by Law) Research Activities Products Software incl. Patent, License, etc. c. Other Reserve 4. Other Long Term Non-Material Assets III. Fianansial Result -18 -44 -74 1. Profit/Loss Accumulated -18 a. Non-Divided Profit III. Long Term Financial Assets b. Uncovered Loss 1. Shares and Stocks -9 -18 2. Investment Property 2. Current Operating Profit/ Loss -9 -9 -26 -30 Other Long Term Securities 4. Long Term Payments Due B. Long Term Liabilities IV. Trade Reputation I. Long Term Debts 1. Positive Reputation 1. Debts to Linked Enterprises 2. Negative Reputation 2. Debts to Finansial Institutions V. Expenses on Future Periods 3. Debts on Commercial Loans C. Short Term Assets 4. Taxes Postponed I. Short Term Material Assets 5. Other Long Term Liabilities 1. Materials II. Incomes for Future Periods and 2. Production Finansing Goods Short Term Liabilities 4. Young and Small Animals and I Short Term Debts Animals for Meat 1 Debts to Linked Enterprises 5 Non-Finished Production 2. Debts to Finansial Institutions 6. Other Short Term Material Assets Debts to Suppliers and Clients II. Short Term Payment Due Debts on Commercial Loans 1. Payments Due from Linked Enterprises Debts to Personnel 6. Debts to Insurance Tax Debts 2. Payments Due from Clients and 8 Other Short Term Debts Suppliers Payments Due on Commercial Loans 9 Provisions Granted incl. Advances II. Incomes for Future Periods and 4. Juridical and Sentenced Payments Due Finansing Finansing 5. Taxes on Recuperation Λ For Long Term Assets Λ 6. Other Short Term Payments Due 2 For Current Activities III. Short Term Finansial Assets 1. Finansial Assets from Linked Enterprises 2. Bought Back Own Debt Securities Short Term Securities 3. 4 Precious Metals and Jewellry 5. Other Short Term Finansial Assets IV. Monetary Sources 1. Monetary Sources in Cash 2. Monetary Sources on Bank Deposits 3. Blocked Monetary Reserves 4. Money Equivalents V. Expenses on Future Periods Total Total

Source: Ministry of Finance and Ministry of Public Works and Regionmal Development.

(Note) Lack of data in parts of detail.

Table 146 Balance Sheet of Svishtov WS&S Co. Ltd. - Svishtov, North Central Region (100 % Municipality Owned Entetrprise)

(100 % Municipality Owned Entetrprise) (Unit: 1,000 Levs)											
Assets	2001	2002	2003	2004	2005	Liabilities	2001	2002	2003	2004	2005
A. Non Subscribed Capital	0	0	0	0	0	A. Own Capital	5,674	4,607	4,562	4,266	4,489
B. Long Term Assets	5,353	4,099	3,901	3,720	3,688	I. Basic Capital	1,449	452	452	452	452
I. Lonmg Term Material Assets	5,312	4,071	3,882	3,707	3,670	 Subscribed Capital 	1,449	452	452	452	452
 Buildings, Lands, Forests and Other 	293	239	n.a.	n.a.	408	Additional Capital	0	0	0	0	0
Permanent Plantations	273	237	11.4.	n.a.		II. Reserves	4,188	4,118	4,078	3,776	4,014
Machinery, Works and Equipment	4,775	3,669	n.a.	n.a.	3,249	Emission Premia	0	0	0	0	0
Other Long Term Material Assets	100	46	14	7	13	 Reserve for Post-Estimate of Assets and Liabilities (Pre- 					
Expenses on Acquisition and						Estimate Reserve)	723	0	709	693	835
Liquidation of Long Term Material Assets	144	117	167	146	0	· ·			2.260		2.450
	22	11		-		3. Target Reserve	3,465	4,118	3,369	3,083	3,179
II. Long Term Non Material Assets Expenses on Foundation and	23	11	6	5	6	a. General Reserve (Additional Reserve)	621	621	624	627	628
Enlargement	1	1	1	1	0	b. Specialized Reserve					
Research Activities Products	0	0	0	0	0	(Reserve by Law)	2,844	2,780	0	0	29
Software incl. Patent, License, etc.	17	1	1	1	4	c. Other Reserve	0	717	2,745	2,456	2,522
Other Long Term Non-Material Assets						III. Fianansial Result	37	37	32	38	23
	5	9	4	3	2	Profit/Loss Accumulated	18	6	0	30	0
III. Long Term Financial Assets	18	17	13	8	12	 a. Non-Divided Profit 	18	6	0	30	0
Shares and Stocks	0	0	0	0	0	b. Uncovered Loss	0	0	0	0	0
Investment Property	0	0	0	0	0	Current Operating Profit/ Loss	19	21	22	0	22
Other Long Term Securities	18	15	11	8	12		19	31	32	8	23
 Long Term Payments Due 	0	2	2	0	0	B. Long Term Liabilities	0	0	0	185	110
IV. Trade Reputation	0	0	0	0	0	I. Long Term Debts	0	0	0	149	77
Positive Reputation	0	0	0	0	0	Debts to Linked Enterprises	0	0	0	0	0
Negative Reputation	0	0	0	0	0	Debts to Finansial Institutions	0	0	0	0	0
V. Expenses on Future Periods	0	0	0	0	0	3. Debts on Commercial Loans	0	0	0	149	75
C. Short Term Assets	649	773	909	934	1,103	4. Taxes Postponed	0	0	0	0	2
I. Short Term Material Assets	62	66	65	57	61	5. Other Long Term Liabilities	0	0	0	0	0
Materials Production	60 0	65 0	64 0	57 0	61 0	II. Incomes for Future Periods and Finansing	0	0	0	36	33
3. Goods	2	1	1	0	0	C. Short Term Liabilities	269	265	248	203	192
Young and Small Animals and			1	U		I. Short Term Debts	269	212	204	203	192
Animals for Meat	0	0	0	0	0	Debts to Linked Enterprises	0	0	0	0	0
Non-Finished Production	0	0	0	0	0	Debts to Finansial Institutions	0	0	0	0	0
Other Short Term Material Assets	0	0	0	0	0	Debts to Suppliers and Clients	75	54	53	49	56
II. Short Term Payment Due	376	438	538	590	790	Debts on Commercial Loans	0	0	0	0	0
Payments Due from Linked Enterprises	0	0	0			Debts to Personnel	26	17	19	17	16
	0	0	0	0	0	Debts to Insurance	12	20	27	26	27
Payments Due from Clients and	330	397	478	556	772	7. Tax Debts	148	18	15	24	21
Suppliers	330	391	4/8	330	112	Other Short Term Debts	8	103	90	87	72
Payments Due on Commercial Loans	0	0	0	0	0	9. Provisions	0	0	0	0	0
Granted incl. Advances	Ů	Ü	v	v	Ů	II. Incomes for Future Periods and	0	53	44	0	0
 Juridical and Sentenced Payments Due 	38	33	59	27	17	Finansing					
						D. Finansing	59	0	0	0	0
5. Taxes on Recuperation	4	7	0	5	1	For Long Term Assets	59	0	0	0	0
6. Other Short Term Payments Due	4	1	1	2	0	For Current Activities	0	0	0	0	0
III. Short Term Finansial Assets	0	0	0	0	0						
Finansial Assets from Linked Enterprises	0	0	0	0	0						
•	0	0	0	0	0						
Bought Back Own Debt Securities Short Term Securities	0	0	0	0	0						
	0	0	0	0	0						
Precious Metals and Jewellry Other Short Term Finansial Assets	0	0	0	0	0						
IV. Monetary Sources	194	267	301	284	248						
Monetary Sources in Cash	1	0	0	0	246						
Monetary Sources in Cash Monetary Sources on Bank Deposits											
	193	267	301	284	246						
3. Blocked Monetary Reserves	0	0	0	0	0						
Money Equivalents	0	0	0	0	0						
V. Expenses on Future Periods	17	2	5	3	4						
Total	6,002	4,872	4,810	4,654	4,791	Total	6,002	4,872	4,810	4,654	4,791

Total 6,002 4,872 4,810 4,654 4,791 Total Source: Ministry of Finance and Ministry of Public Works and Regionmal Development.

Table 147 Balance Sheet of Uvecks WS&S Co. Ltd. - Sandanski, South West Region (100 % Municipality Owned Entetrprise)

(Unit: 1,000 Levs) A. Non Subscribed Capital A. Own Capital 2,138 1,453 1,575 1,606 1,697 B. Long Term Assets 1,760 1,067 1 083 1,178 1,252 I. Basic Capital I. Lonmg Term Material Assets 1,758 1,055 1,071 1,163 1,242 Subscribed Capital 1. Buildings, Lands, Forests and Other 2 Additional Capital n.a. n.a. Permanent Plantations II. Reserves 1.143 1.049 1.044 1.055 1.055 2. Machinery, Works and Equipment 1,624 n.a. n.a. 1,101 Emission Premia Other Long Term Material Assets Reserve for Post-Estimate of Assets and Liabilities (Pre-Expenses on Acquisition and Estimate Reserve) Liquidation of Long Term Material Assets 3. Target Reserve II Long Term Non Material Assets a. General Reserve (Additional Reserve) 1. Expenses on Foundation and Enlargement b Specialized Reserve 2. Research Activities Products (Reserve by Law) Software incl. Patent, License, etc. c Other Reserve Other Long Term Non-Material Assets III Fianansial Result 1 Profit/Loss Accumulated III. Long Term Financial Assets a. Non-Divided Profit 1. Shares and Stocks b Uncovered Loss 2. Investment Property 2. Current Operating Profit/ Loss Other Long Term Securities B. Long Term Liabilities 4. Long Term Payments Due IV. Trade Reputation I. Long Term Debts 1. Debts to Linked Enterprises 1. Positive Reputation Debts to Finansial Institutions 2. Negative Reputation 3. Debts on Commercial Loans V. Expenses on Future Periods 4. Taxes Postponed C. Short Term Assets I. Short Term Material Assets 5. Other Long Term Liabilities II. Incomes for Future Periods and 1. Materials Finansing 2. Production Goods Short Term Liabilities Young and Small Animals and I. Short Term Debts 1. Debts to Linked Enterprises Debts to Finansial Institutions 5. Non-Finished Production Debts to Suppliers and Clients 6. Other Short Term Material Assets II. Short Term Payment Due Debts on Commercial Loans 1. Payments Due from Linked Enterprises Debts to Personnel Debts to Insurance Tax Debts 2. Payments Due from Clients and Suppliers Other Short Term Debts Payments Due on Commercial Loans Provisions Granted incl. Advances II. Incomes for Future Periods and Finansing 4. Juridical and Sentenced Payments Due 5. Taxes on Recuperation For Long Term Assets 2. For Current Activities 6. Other Short Term Payments Due III. Short Term Finansial Assets 1. Finansial Assets from Linked Enterprises Bought Back Own Debt Securities Short Term Securities Precious Metals and Jewellry Other Short Term Finansial Assets IV. Monetary Sources Monetary Sources in Cash 2. Monetary Sources on Bank Deposits 3. Blocked Monetary Reserves 4. Money Equivalents V. Expenses on Future Periods 2,350 1,713 Total 1,713

Source: Ministry of Finance and Ministry of Public Works and Regionmal Development

Table 148 Balance Sheet of Water Supply, Sewerage and Territorial Water Engineering Co. Ltd - Velingrad, South
Central Region
(100 % Municipality Owned Entetrprise)

(Unit: 1,000 Levs)											
Assets	2001	2002	2003	2004	2005	Liabilities	2001	2002	2003	2004	2005
A. Non Subscribed Capital	0	0	0	0	0	A. Own Capital	1,657	1,363	1,367	1,328	0
B. Long Term Assets	1,472	1,147	1,215	1,245	0	I. Basic Capital	387	75	75	75	0
Lonmg Term Material Assets Buildings, Lands, Forests and Other	1,470	1,145	1,211	1,240	0	Subscribed Capital Additional Capital	387 0	75 0	75 0	75 0	
Permanent Plantations	58	46	n.a.	n.a.		II. Reserves	1,212	1,211	1,207	1,280	0
Machinery, Works and Equipment	1,375	1,094	n.a.	n.a.		Reserves Emission Premia	0	1,211	0	1,280	U
Other Long Term Material Assets	35	1,094	11.a. 4	11.a. 6		Reserve for Post-Estimate of	U	U	U	U	
Expenses on Acquisition and	33	3	4	U		Assets and Liabilities (Pre-	304	304	300	373	
Liquidation of Long Term Material	2	0	26	30		Estimate Reserve)	50.	50.	500	373	
Assets						Target Reserve	908	907	907	907	0
II. Long Term Non Material Assets	1	1	3	1	0	a. General Reserve	000				
Expenses on Foundation and	0	0				(Additional Reserve)	908	0	0	0	
Enlargement	0	0	0	0		 b. Specialized Reserve 	0	0	0	0	
2. Research Activities Products	0	0	0	0		(Reserve by Law)	0	0	U	U	
Software incl. Patent, License, etc.	1	1	3	1		c. Other Reserve	0	907	907	907	
4. Other Long Term Non-Material Assets	0	0	0	0		III. Fianansial Result	58	77	85	-27	0
	U	U	U	U		 Profit/Loss Accumulated 	54	59	76	44	0
III. Long Term Financial Assets	1	1	1	4	0	 Non-Divided Profit 	54	59	76	44	
 Shares and Stocks 	1	1	1	1		 b. Uncovered Loss 	0	0	0	0	
Investment Property	0	0	0	0		Current Operating Profit/ Loss	4	18	9	-71	
Other Long Term Securities	0	0	0	0							
Long Term Payments Due	0	0	0	3		B. Long Term Liabilities	0	0	0	3	0
IV. Trade Reputation	0	0	0	0	0	I. Long Term Debts	0	0	0	3	0
Positive Reputation	0	0	0	0		Debts to Linked Enterprises	0	0	0	0	
Negative Reputation	0	0	0	0		Debts to Finansial Institutions	0	0	0	0	
V. Expenses on Future Periods	0	0	0	0		Debts on Commercial Loans Trans Partnered	0	0	0	0	
C. Short Term Assets	327	285	266	292	0	Taxes Postponed Other Long Term Liabilities	0	0	0	3	
Short Term Material Assets Materials	53 53	24 24	13 13	13 13	0	Other Long Term Liabilities II. Incomes for Future Periods and	0	0	0	0	
2. Production	0	0	0	0		Finansing	0	0	0	0	
3. Goods	0	0	0	0		C. Short Term Liabilities	142	69	114	206	0
Young and Small Animals and						I. Short Term Debts	142	69	114	206	0
Animals for Meat	0	0	0	0		Debts to Linked Enterprises	0	0	0	0	· ·
5. Non-Finished Production	0	0	0	0		Debts to Finansial Institutions	0	0	0	0	
Other Short Term Material Assets	0	0	0	0		Debts to Suppliers and Clients	14	5	48	18	
II. Short Term Payment Due	185	191	227	259	0	Debts on Commercial Loans	0	0	0	0	
Payments Due from Linked Enterprises						Debts to Personnel	11	4	17	14	
•	0	0	0	0		Debts to Insurance	17	1	2	6	
2. Payments Due from Clients and	171	160	200	167		7. Tax Debts	97	1	36	130	
Suppliers	161	169	208	167		Other Short Term Debts	3	52	5	26	
3. Payments Due on Commercial Loans	0	0	0	0		9. Provisions	0	6	6	12	
Granted incl. Advances	U	U	U	U		II. Incomes for Future Periods and	0	0	0	0	
 Juridical and Sentenced Payments Due 	11	16	14	11		Finansing	U				
			1-7	- 11		D. Finansing	0	0	0	0	0
Taxes on Recuperation	13	3	3	12		 For Long Term Assets 	0	0	0	0	0
Other Short Term Payments Due	0	3	2	69		For Current Activities	0	0	0	0	0
III. Short Term Finansial Assets	0	0	0	0	0						
Finansial Assets from Linked	0	0	0	0							
Enterprises											
Bought Back Own Debt Securities	0	0	0	0							
3. Short Term Securities	0	0	0	0							
4. Precious Metals and Jewellry	0	0	0	0							
 Other Short Term Finansial Assets IV. Monetary Sources 	0	0 69	0 23	0 13	0	1					
Monetary Sources Monetary Sources in Cash	84 13	69 69	12	13	U	1					
Monetary Sources in Cash Monetary Sources on Bank Deposits	13	69	12								
2. Monetary Sources on Bank Deposits	71	0	11	12		1					
Blocked Monetary Reserves	0	0	0	0		1					
	U					1					
-	n	Ω	Ω	0							
Money Equivalents Expenses on Future Periods	0	0	0	0 7							

(Note) Lack of data in parts of detail.

Source: Ministry of Finance and Ministry of Public Works and Regionmal Development.

Table 149 Balance Sheet of Water Supply, Sewerage and Thermal Water Co. Ltd - Rakitovo, South Central Region (100 % Municipality Owned Entetrprise)

	(Unit: 1,000 Levs)											
	Assets	2001	2002	2003	2004	2005	Liabilities	2001	2002	2003	2004	2005
	Subscribed Capital	0	0	0	0	0	A. Own Capital	456	443	433	62	0
-	Term Assets	515	401	391	18	0	I. Basic Capital	16	16	16	16	0
	nmg Term Material Assets	515	401	391	18	0	Subscribed Capital	16	16	16	16	
1.	Buildings, Lands, Forests and Other	13	11	n.a.	n.a.		Additional Capital	0	0	0	0	
	Permanent Plantations						II. Reserves	436	425	415	49	0
	Machinery, Works and Equipment	497	390	n.a.	n.a.		Emission Premia	0	0	0	0	
3.	Other Long Term Material Assets	5	0	0	0		Reserve for Post-Estimate of					
4.	Expenses on Acquisition and						Assets and Liabilities (Pre- Estimate Reserve)	436	425	415	49	
	Liquidation of Long Term Material	0	0	0	0		· ·					
	Assets						Target Reserve	0	0	0	0	0
	ng Term Non Material Assets	0	0	0	0	0	a. General Reserve	0	0	0	0	
1.	Expenses on Foundation and	0	0	0	0		(Additional Reserve)					
	Enlargement						b. Specialized Reserve	0	0	0	0	
2.	Research Activities Products	0	0	0	0		(Reserve by Law)					
3.	Software incl. Patent, License, etc.	0	0	0	0		c. Other Reserve	0	0	0	0	
4.	Other Long Term Non-Material Assets	0	0	0	0		III. Fianansial Result	4	2	2	-3	0
							Profit/Loss Accumulated	4	1	2	1	0
	ong Term Financial Assets	0	0	0	0	0	a. Non-Divided Profit	4	1	2	1	
	Shares and Stocks	0	0	0	0		b. Uncovered Loss	0	0	0	0	
	Investment Property	0	0	0	0		Current Operating Profit/ Loss	0	1	0	-4	
	Other Long Term Securities	0	0	0	0							
	Long Term Payments Due	0	0	0	0		B. Long Term Liabilities	0	0	0	0	0
	rade Reputation	0	0	0	0	0	I. Long Term Debts	0	0	0	0	0
	Positive Reputation	0	0	0	0		Debts to Linked Enterprises	0	0	0	0	
	Negative Reputation	0	0	0	0		Debts to Finansial Institutions	0	0	0	0	
	xpenses on Future Periods	0	0	0	0		Debts on Commercial Loans	0	0	0	0	
	Term Assets	64	64	64	71	0	4. Taxes Postponed	0	0	0	0	
	ort Term Material Assets	10	14	18	29	0	Other Long Term Liabilities	0	0	0	0	
	Materials	10	10	12	21		II. Incomes for Future Periods and	0	0	0	0	
2.		0	0	0	0		Finansing					
3.	Goods	0	0	0	2		C. Short Term Liabilities	20	22	22	27	0
4.	Young and Small Animals and	0	0	0	0		I. Short Term Debts	20	22	22	27	0
	Animals for Meat						Debts to Linked Enterprises	0	0	0	0	
	Non-Finished Production	0	0	0	0		Debts to Finansial Institutions	0	0	0	0	
6.	Other Short Term Material Assets	0	4	6	6		Debts to Suppliers and Clients	4	2	1	2	
	ort Term Payment Due	36	24	22	17	0	Debts on Commercial Loans	0	0	0	0	
1.	Payments Due from Linked Enterprises	0	0	0	0		5. Debts to Personnel	3	4	5	6	
_							6. Debts to Insurance	0	1	2	3	
2.	Payments Due from Clients and	25	22	20	15		7. Tax Debts	3	2	1	3	
	Suppliers						8. Other Short Term Debts	10	13	13	13	
3.	Payments Due on Commercial Loans	0	0	0	0		9. Provisions	0	0	0	0	
	Granted incl. Advances						II. Incomes for Future Periods and	0	0	0	0	
4.	Juridical and Sentenced Payments Due	10	0	0	0		Finansing					
_							D. Finansing	0	0	0	0	0
	Taxes on Recuperation	1	1	2	1		For Long Term Assets	0	0	0	0	0
6.	•	0	1	0	1		For Current Activities	0	0	0	0	0
	hort Term Finansial Assets	0	0	0	0	0						
1.	Finansial Assets from Linked	0	0	0	0							
	Enterprises											
	Bought Back Own Debt Securities	0	0	0	0							
	Short Term Securities	0	0	0	0							
	Precious Metals and Jewellry	0	0	0	0							
	Other Short Term Finansial Assets	0	0	0	0		1					
	Ionetary Sources	18	26	24	25	0	1					
	Monetary Sources in Cash	0	0	0	0		1					
2.	Monetary Sources on Bank Deposits	18	0	0	0							
3.	Blocked Monetary Reserves	0	0	0	0							
	Money Equivalents	0	26	24	25							
	xpenses on Future Periods	0	0	0	0							
Total	I ask of data in parts of datail	579	465	455	89	0	Total	476	465	455	89	0

(Note) Lack of data in parts of detail.

Source: Ministry of Finance and Ministry of Public Works and Regionmal Development.

SUPPORTING REPORT $oldsymbol{J}$

Environmental and Social Considerations

Table of Contents

		ntents	
		es	
List	of Figur	res	iii
J	ENVI	RONMENTAL AND SOCIAL CONSIDERATIONS	J-1
J.1		other Relevant to the Draft RBMPs and the Relation	-
	J.1.1	Background	J-1
	J.1.2	Main objectives of the draft RBMPs	J-2
	J.1.3	Relationship with other relevant plans/programs	J-2
J.2		urrent State of the Environmental/Social Items without the draft R	
	J.2.1	Environmental Quality	J-4
	J.2.2	Natural Environment	
	J.2.3	Social Environment	J-8
J.3	The E	nvironmental Characteristics of Areas likely to be significantly af	fected J-12
	J.3.1	Water Quality	J-12
	J.3.2	Biodiversity, Flora and Fauna, and Protected Areas	J-12
	J.3.3	Social Environment	J-12
J.4	The E	xisting Environmental Problems relevant to the draft RBMPs	J-14
	J.4.1	Surface Water Pollution	J-14
	J.4.2	Ground Water Pollution	J-14
	J.4.3	Protected Areas Management Issues	J-15
	J.4.4	Waste Problems	J-15
	J.4.5	Specific environmental issues in the Study Area	J-16
J.5		nvironmental Protection Objectives, established at National Levational Level, which are relevant to the draft RBMPs	
	J.5.1	National level	J-17
	J.5.2	International level	J-17
J.6	The lil	kely significant effects on the environment	J-18
	J.6.1	Air pollution	J-18

	J.6.2	Water Pollution										
	J.6.3	Noise and Vibration										
	J.6.4	Offensive Odor										
	J.6.5	Flora, Fauna, Biodiversity										
	J.6.6	Waste										
	J.6.7	The Poor, Ethnic Group										
J.7	Mitigat	tion Measures for Possible Significant Impacts										
	J.7.1	Mitigation Measures for Possible Main Adverse Impacts										
	J.7.2	Other Mitigation Measures										
J.8	An Out	cline and the Reasons for Selecting of the Alternatives										
J.9	Recom	mended Monitoring and Control Plan										
J.10	A non-	A non-technical summary of the Environmental Assessment										
	J.10.1	An Outline of the Main Objectives of the draft RBMPs and the relationship with other relevant to the draft RBMPs										
	J.10.2	The Current State of the Environmental/Social Items without the draft RBMPs										
	J.10.3	The Environmental Characteristics of Areas likely to be significantly affected										
	J.10.4	The Existing Environmental Problems relevant to the draft RBMPs J-30										
	J.10.5	The Environmental Protection Objectives, established at National Level and International Level, which are relevant to the draft RBMPs J-32										
	J.10.6	The likely significant effects on the environment										
	J.10.7	Mitigation Measures for Possible Significant Impacts										
	J.10.8	An Outline and the Reasons for Selecting of the AlternativesJ-33										
	J.10.9	Recommended Monitoring and Control Plan										

List	of	Tabl	les

Table J.2.1 Table J.6.1	Protected Areas of Bulgaria and Europe in 2003	
	<u>List of Figures</u>	
Figure J.2.1	Recent BOD trends in the Main Rivers of Bulgaria	J-4

J ENVIRONMENTAL AND SOCIAL CONSIDERATIONS

J.1 An Outline of the Main Objectives of the Draft RBMPs and the Relationship with Other Relevant to the Draft RBMPs

J.1.1 Background

(1) The subjects for Environmental and Social Considerations

The main objective of the JICA Study is to assist the Ministry of Environment and Water (MoEW) of Bulgaria in the implementation of the requirements of EU Water Framework Directive (WFD), which includes preparation of the draft River Basin Management Plans for the East Aegean Sea River Basin District (EABD) and West Aegean Sea River Basin District (WABD).

The subjects for Environmental and Social Considerations of this JICA Study are draft East Aegean Basin District (EABD) River Basin Management Plan and draft West Aegean Basin District (WABD) River Basin Management Plan (hereinafter referred to as "draft RBMPs").

(2) EA Requirements and IEE Study for JICA Study

According to the Article 81, Chapter 6 of the EPA of Bulgaria and the discussions with the EIA and EA Department of MoEW, this JICA Study (draft RBMPs) is applied for the "Environmental Assessment (EA)" process in Bulgaria.

Because, it is stipulated by the EPA that the EA shall be conducted of plans and programs which are in a process of preparation and/or approval by central or local executive authorities and the National Assembly. This JICA Study does not include any concrete construction activities, but a draft master plan study for preparation of the future finalized RBMPs, which will be approved by central government of Bulgaria.

Also, the EPA stipulates "environmental impact assessment (EIA)" shall be conducted for development proposals for execution of construction, activities, and technologies listed in Annexes 1 and 2 of the EPA. This Master Plan does not applied for the Annex1 and Annex 2; therefore, it is not necessary for executing the EIA.

On the other hand, environmental and social considerations level of this JICA Study was classified into category B in the JICA Guideline. Because, the draft RBMPs are one of the draft development master plans, which are considered to propose some physical water management structures (wastewater treatment plant (WWTP), water supply pipes, etc.,) as one of the management measures, even if the possible adverse environmental and social impacts are insignificant. For this reason, this JICA Study needs an Initial Environmental Examination (IEE).

Therefore, an IEE by the JICA Study Team with Bulgaria's side was needed for the draft RBMPs within the JICA Study. After finishing this JICA Study, the Bulgaria's side could be done the EA for the finalized RBMPs, based on the IEE.

J.1.2 Main objectives of the draft RBMPs

The draft RBMPs, which are based on the requirements of the EU-WFD, are formulated by JICA Study Team and the EABD as well as the WABD. The purpose of this EU-WFD is to establish a framework for the protection of inland surface waters, transitional waters, coastal waters, and ground water. In other words, the objective and contents of the draft RBMPs themselves will contribute many favorable environmental and social impacts relating to water issues in the Study Area.

The draft RBMPs have the following main contents:

- Integrated Water Management Plan (surface water quantity and quality, groundwater quantity and quality)
- Establishment of monitoring plan
- Programs of measures scenarios in accordance with EU WFD.

The mainstream of the planning directions of the draft RBMPs are similar to one of the Strategic Environmental Assessment (SEA) concepts. The concept is an environmental assessment is carried out of certain plans and programs, which are likely to have significant favorable affects on the environment. The draft RBMPs planning concept themselves already includes a "Strategic Environmental Decision". For example, basic priority concepts of the draft RBMPs for necessary proposing physical facilities (structural measures such as WWTP, water supply pipe networks, intake structures for irrigation, etc.) for water management are rehabilitation of the existing facilities or small-scale of the new facilities.

In any case, the draft RBMPs have the following main proposed programs of the measures, which may affect favorable and adverse impacts on the current environmental and social situations in the Study Area:

- Programs of measures for water quality management (e.g. rehabilitations /installation of some WWTPs)
- Programs of measures for water supply improvement (e.g. rehabilitation of water supply pipes and networks)
- Programs of measures for irrigation water management (e.g. renovation/rehabilitation of intake structures, distribution structures)

Based on the draft RBMPs, the RBMPs will be finalized by the EABD and the WABD in the near future.

J.1.3 Relationship with other relevant plans/programs

At first, the draft RBMPs by the EABD and the WABD are close related to the following two RBMPs in Bulgaria, which shall be also formulated based on the requirements of EU-WFD.

- Danube River Basin Management Plan,
- Black Sea River Basin Management Plan

The proposing structural measures such as water supply networks are necessary to consider the proposing networks of the water supply in Danube River Basin District or Black Sea River Basin District.

The other relevant plans or programs with the targeted draft RBMPs are as follows:

(1) National Regional Development Strategy (NRDS) for the period 2005-2015

The NRDS was prepared by the MoRDPW in accordance with Article 9 of the Regional Development Act. The NRDS determines the long-term objectives and priorities of the policy for regional development in Bulgaria.

The primary goal defined in NRDS is achievement of a sustainable development of the regions in Bulgaria. The main priorities for achieving this goal are:

- Priority1: Raising regional competitiveness on the basis of a knowledge-based economy,
- Priority2: Development and upgrading of the infrastructure to create conditions for growth and employment
- Priority3: Raising the attractiveness of and quality of life in the planning regions,
- Priority4: Integrated urban development and upgrading of the urban environment,
- Priority5: Development of co-operation for European spatial cohesion, promotion of partnership and good relations for the purposes of development

The NRDS is mainly relevant to the draft RBMPs in terms of the above Priority 2 and Priority 3.

(2) Operational Program "Regional Development Plans" 2007-2013

Regional Development Plans 2007 – 2013 were prepared in accordance with Article 11 of the Regional Development Act and adopted at regional level by the Regional Development Councils of the six planning regions in Bulgaria.

The main objective of the Operational Program is improvement in the quality of life and work with a better access to basic services and new possibilities for enhanced regional competitiveness and sustainable development. Therefore, the Operation Program is mainly relevant to the RBMPs in terms of the improvement of the water management facilities.

(3) District Development Strategies, Municipal Development Plans, Spatial Plan

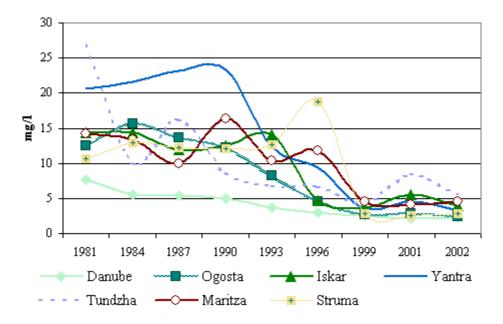
These strategies, plans are relevant to the draft RBMPs concerning the program of the measures such as the constructions of some WWTPs and the improvement of the water supply networks as well as the non-structure measures.

J.2 The Current State of the Environmental/Social Items without the draft RBMPs

J.2.1 Environmental Quality

(1) Surface water quality

In Bulgaria as a whole, the water quality trends during the period 1982 - 2002 reveal improvement of surface water quality for the period after 1997. Figure J.2.1 shows the annual average concentrations of BOD5 in the main rivers of Bulgaria for the period from 1981 to 2002, which are also in correlation with the economic development during that period.



Source: "Annual State of the Environment 2002, EEA of Bulgaria"

Figure J.2.1 Recent BOD trends in the Main Rivers of Bulgaria

However, in recent years, many areas of Bulgaria have water pollution problems, which may caused by, for example, the increase of industrial wastewater, discharged waters, and tailing ponds of mining activities.

In the EABD area, the Maritza River waters fall into as "moderately polluted waters". The sections of deteriorated ecological status are through the wastewaters from the many towns and cities including Plovdiv. The Tundja River waters fall into as "slightly polluted waters" as well. The River water quality deteriorates as a result of incorporation of Sliven wastewaters and the section of below the town of Yambol (complex organic pollution with household and industrial waste waters). The Arda River waters in the upper reaches fall into as "slightly polluted waters". The pollution of the river is mainly due to the wastewaters by mineral resources mining.

In the WABD area, the Mesta River basin "slightly to moderately polluted waters". The Struma River waters fall predominantly into as "slightly polluted waters". The sections of deteriorated ecological status are below Pernik and in the region of Blagoevgrad.

(2) Groundwater quality

Some groundwater pollution risks such as nitrate, harmful heavy metals, and pesticides in Bulgaria are reported. For example, groundwater nitrate contents of many sampling stations in Bulgaria are exceeding the limit values of Bulgaria.

According to the "Annual State of the Environment 2002, EEA of Bulgaria", Eastern Thracian and Burgas hydro geographical basins are comparatively high contents of nitrate, with some stations are above of the limit in the EABD area. Also, the other points within the EABD area are exceeding the limits. In the WABD area, the nitrate contents in the 4 stations are exceeding the limits.

In terms of pesticide contents of the groundwater in the Study Area, the values have slightly exceeding of the limit values in 9 stations in the WABD area, the values of the EABD area are below of the limit.

(3) Air quality

In Bulgaria, power engineering is the biggest source of sulphur dioxide (87% of the total quantity emitted in the country). Road transport and thermal electric power stations are the main sources of nitrogen oxides (they have emitted 37% and 29% of the country total amount respectively). Burning in households and road transport are the largest sources of carbon monoxide, emitting 50% and 29%, respectively, according to "Annual State of the Environment 2002, EEA of Bulgaria".

Early 2000s in Bulgaria, substantial lowering of lead emission is confirmed, due to lowering of emissions from burning processes in industry and land transport. Also, the decrease of the carbon monoxide emission from natural sources due to substantial reduction of forest fires.

In the Study area, Cadmium and lead are still high concentration in Plovdiv in the EABD. Sulfur dioxide and lead are still high concentration in Pernik in the WEBD.

(4) Soil pollution

The soil pollution including excess of heavy metal contents, soil saltification, soil degradation might be caused by a point (local) source or by diffusion in Bulgaria. The local soil pollution is usually associated with operating or closed mining or industrial companies, as well as waste depots. On the other hand, the main contributors to diffusion are agricultural practices. Although there is not enough investigation for the soil pollution of Bulgaria, recent trends for the soil pollution except for the soil saltification are improving.

In the Study Area, copper and zinc in some orchards yard areas close to border with Macedonia, as well as surrounding areas of Plovdiv and Sliven are exceeding each limit value of Bulgaria, according to EEA, 2002.

(5) Noise

According to "Annual State of the Environment 2002, EEA of Bulgaria", in the period of 1997 to 2002, the noise generated by the motor vehicle, in the range of 63-67 dB(A),

compared to the Bulgaria's Norm of 55-60dB(A). Also, there is a recent steady trend to increase of the noise in the town areas and zones up to levels in the ranges 63-67 dB(A) and 68-72 dB (A).

In the Study Area, there is little information for noise level in recent times. However, noise level in some of the big town areas or industrial areas such as Plovdiv, Blagoevgrad, and Pernik might be exceeded the Bulgaria's Norm.

J.2.2 Natural Environment

(1) Climate

Bulgaria is a not huge country, but has substantial climatic variation because it is located at the meeting points of Mediterranean and continental air masses, as well as its mountains partition. Average precipitation in Bulgaria is about 630 mm per year. In the Study Area, parts of Thracian Plain usually receive less than 500 mm per year and the some of the Study Area is often to summer drought.

Temperatures in Sofia average −2°C in January and 21°C in August and overall climate is pleasant. In the Study Area, many valley basin scattered through uplands have temperature inversions resulting in stagnant air. Winters along the Maritsa River and are cold, while sheltered valleys opening to the south along the Greek and Turkish borders is mild. In summer, hot and dry weather in the Rhodopes and the Thracian Plain.

(2) Topography and geology

Topography

In the Bulgarian territory, more than two-thirds is plains and hills within an elevation of less than 600 meters. The main characteristic of the Bulgarian topography is alternating bands of high and low terrain extending east to west across the Country.

In the Study Area, the south edge of the Danube Plain slopes upward into the foothills of the Balkan Mountains, which are highest in the western part of the Country. The Thracian Plain is roughly triangle shape, begging near Sofia in the west and broadening as it reaches the Black Sea coast. The Rhodope Mountains include two ranges (the Pirin Mountains and the Rila Mountains) in the southwestern Bulgaria. Bulgaria's highest peak (Mt. Musala (2,975 m)) is in the Rila Mountains and is located in the Study Area.

Geology

Bulgaria is not a huge country, but it has very diverse geology. The tectonic units include very diverse stratigraphic complex ranging from early Paleozoic, Mesozoic, Cenozoic, and Quaternary. Their lithology comprise of rocks with diverse genesis. At the surface sedimentary, volcanic and metamorphic rocks are observed, holding different mineral composition and geochemical characteristics.

In the surroundings of the Study Area, the important natural resources by mining are black and brown coals in the Central Balkan areas. The Rhodope tectonic zone is rich of ores, as well as gold and silver. The great important natural resources are the non-ore resources such as marble, the others with Paleogene age.

Concerning the hydrology, the current situations are described in the other section of this Report.

(3) Soil erosion

In Bulgaria, soil erosion is recognized as one of the most serious soil degradation processes. According to "Annual State of the Environment 2002, EEA of Bulgaria", about 80% of the territory of Bulgaria, including 70% of the arable lands, is subject to water erosion, and 29% is subject to wind erosion. About 50% of the irrigation territories in the country are potentially threatened with irrigation-caused erosion.

In the Study Area, in particular, many high parts of the Balkan Mountains, and the other areas, close to the southern border with Greece in the Rhodope Mountains are categorized as "high to very high erosiveness" or "very high erosiveness".

(4) Biodiversity, Protected Areas, flora and Fauna

Although Bulgaria is relatively small country, it is rich in biological diversity due to its highly varied ecosystems. Table J.2.1 shows proposed protected areas in Bulgaria and the whole Europe area in 2003, according to the Earth Trends.

Table J.2.1 Protected Areas of Bulgaria and Europe in 2003

Categories of the Protected Areas	Bulgaria	Whole Europe
Nature Reserves, Wilderness, and National Parks	75	34,628
(IUCN Category I and II)		
Natural Monument, Species Management Areas, and	518	95,234
Protected Landscapes and Seascapes (IUCN Category		
III, IV and V)		
Areas Management for Sustainable Use and	523	50,859
Unclassified Areas (IUCN Category VI and "other"		
Total Protected Areas (IUCN all categories)	1,117	180,721
Protected Areas as a percent of the Total Land	10.1%	8.4%
Wetlands of International Importance (Ramsar Sites)	Number of sites: 5	Number of sites: 699
2002	Total Areas: 3	Total Areas: 19,248

Note: Each unit is thousand hector except percentage and the number of sites.

Source: "Country Profile of Bulgaria – Biodiversity and Protected Areas, 2003, Earth Trends"

In the past ten years, the protected area in Bulgaria had increased, however effective management situations of the Protected areas are not confirmed yet.

In the Study Area, three national parks; i) Central (Tseritralen) Balkan National Park (almost of half of the Park); ii) Pirin National Park; iii) Rilla National Park are located. Also, there are four nature parks in the Study Area; i) Sinite Kamani Nature Park, ii) Vitosha Nature Park (almost of half of the Park), iii) Rila Monastery Nature Park; iv) Balgarka Nature Park (small parts of the Park).

(5) Natural Disasters

In Bulgaria, flood is one of the important natural disasters. Bulgaria has had a number of serious floods in the past. Just recently in June 2005 and 2006, it is reported that the floods, which mainly along the Danube River had affected more than 25% of the total population of Bulgaria.

In the Study Area, in particular, the upper Thracian lowlands are flood-prone areas.

Bulgaria is also prone to droughts. One of the main features of the climate in the Danube plain is insufficient precipitation, leading to dryness and frequent droughts. Droughts were very frequent during the last century and created many conflicts among water users and large losses to the agriculture sector.

The other natural disaster of Bulgaria is earthquake. One of the earthquake two sensitive areas is in the West Rhodopes Fault, which is a wide range extending through the Rila and northern Pirin regions to Plovdiv.

J.2.3 Social Environment

(1) Economic activities

In the period 2000-2004, the industry sector has generated 29-30% of the gross added value from the economy in this country. The manufacturing industry has the biggest contribution to the total gross added value, which is 81.5% of the GDP of the country, according to "Annual State of the Environment 2004, EEA of Bulgaria".

Also, in Bulgaria, the agricultural sector includes rural economy, forestry, fish industry. In spite of the increase of the physical volume of the gross added value created by the agricultural sector in 2002, its share in the structure the tendency towards decrease from 13.4% in 2001 down to 12.5% in 2002. In the rural economy and forestry sector had grown with 5.1% in 2002 compared to the previous year.

On the other hand, the activities of the industry and agriculture sector in Bulgaria are still the biggest contribution to environmental pollutions such as surface and groundwater pollution, soil pollution, as well as air pollution and noise.

In the Study Area, agricultures such as animal breeding and vineyards cultivation, and industries such as manufacturing, food processing, and mining, as well as tourism are the main economic activities. Most of the activities are needed huge water quantity as well as their good quality.

(2) Land use

As the other section of this Report mentioned, "Agricultural Area" including "Fruits Crops" is more than 50% of the whole territory of Bulgaria. "Forest" and "Shrubs and grass land" area are approximately 30% and 10%, respectively of the territory.

Within the EABD area, "Agricultural Area" is very dominant (almost half of the EABD area) in the Tundja and the Maritsa River Basins. On the other hand, "Forest" area is more than 50% in the Arda and Biala River Basins. Within the WABD area, "Forest" is very dominant in the Mesta River Basin (more than 50% of the River Basin) and in the Struma River Basin (more than 40% of the River Basin). On the other hand, "Agricultural Area" is less than 30% in the WABD area.

(3) Transportation

Bulgaria has a relatively good road transportation infrastructure, although the infrastructure has still suffered from low funding and maintenance during the post communist era. In the early 2000s, Bulgaria had more than 37,300 km length of roads, and approximately 3,000 km length were paved, however, it is reported that nearly half of the roads were fell into the lowest international rate conditions.

Within the Study Area, there are few inland waterway transportations. Concerning possible environmental and social impacts caused by this Master Plan, very few impacts on the transportation will be generated in the Study Area.

(4) Cultural heritage

The Bulgarian lands have rich and most diverse cultural heritage. Inhabited since prehistoric times, they keep lasting traces from different ages with rich traditions such as ancient Thracians, Greeks, and Romans. Each important cultural heritages sites scattered through the whole country. On the other hand, Bulgaris has many natural heritages especially in the mountain areas.

In the EABD area, there are many invaluable cultural heritage sites such as the "Kazanluk tomb", included in the list of the UNESCO-protected world cultural heritage. In the WABD, there are also invaluable heritages. For example, the Pirin National Park is very famous and is in the UNESCO-protected world cultural heritage list as well.

(5) Water right

Both latest and previous Water Act of Bulgaria regulates ownership of water by the State, municipality, private, and co-owner. According to the Article 7 of the latest Water Act, the regulation of relationships associated with ownership of waters, water bodies and water development systems and facilities shall be based on the following principles:

- Public significance of water as a valuable natural resource;
- Multiple-purpose use of waters and water bodies with a view to serving economic interests without prejudice to public interest or to existing rights;
- Protection of ownership rights to waters, water bodies and water development systems and facilities, insofar as the exercise of such rights does not interfere with the integrity and unity of the hydrological cycle and the natural water system:
- Exercise of ownership rights in a manner ensuring the technological unity of the water development system.

Regarding any common rights or traditional rights for using waters and water bodies, the Water Act of Bulgaria does not regulate clearly.

(6) Waste

According to "Annual State of the Environment 2004, EEA of Bulgaria", the non-hazardous total waste quantity in Bulgaria from economic activities was 196 million tons in 2004. The biggest generator of non-hazardous waste is considered extraction

industry with 94% of the total waste quantity, power engineering (3%), procession industry (2%). On the other hand, total domestic waste quantity in Bulgaria was 3,092 thousand tons in 2004. A 98% of the total waste quantity is disposed by land filling. Total waste quantity per capita in 2004 was 472 kg, which was the 94% of those in 2003.

Concerning the solid waste collection situations in the Study Area, the components of the household waste were collected separately in the municipalities of Dupnitsa, Nevestino, Bansko, Gotse Delchev and Kjustendil in the WABD area and Chepelare, Smolyan, Sliven, Yambol, Kostenets, Pazardzik, Plovdiv, Asenovgrad and Stara Zagora in the EABD area.

However, there are many waste management issues in the Study Area. For example, it is still observed many illegal waste dumping sites along the main rivers in the Study Area.

(7) Public health conditions (Water related public health)

In Bulgaria in 2002, the potable water quality was improved for chemical and permissible indicators and the standard compliance achieves more than 95%, but the adverse trend of wide diversion from standard keeps on for the micro-biologic indicator (approximately 14%); triple exceeding the WHO's recommended level of 5%, according to "Annual State of the Environment 2002, EEA of Bulgaria".

Within the Study Area, it is also reported that surface water sources for drinking and household water supply (rivers, dams, lakes) are used mostly in the district of Blagoevgrad, Pernik, Plovdiv, Sliven, and Smolyan.

(8) The Poor, Ethnic Group, and Gender

(a) The Poor (Employment Situations)

EABD Area

According to the Survey on the Households in Bulgaria done by the National Statistical Institute and Ministry of Labor and Social Policy in 2005, the average poverty level within the range of EABD area in 2003 varies.

The municipalities with the lowest poverty level within the region are Chepelare and Radnevo with less than 10% of the whole population, followed by Asenovgrad, Smolyan, Stara Zagora, Svilengrad, and few other municipalities with poverty level between 10 and 15%. Karlovo, Pazardjik, Plovdiv, Kardjali, and few other municipalities have a poverty level between 15 and 20%, Ardino and Kirkovo – 20-25% and Velingrad, Pavel banya and Krumovgrad have a poverty level higher than 25% of the whole population.

WABD Area

According to the Survey on the Households in Bulgaria done by the National Statistical Institute and Ministry of Labor and Social Policy (2005) the districts with the lowest poverty levels in year 2003 are Pernik and Kuystendil – between 10% and 14%, followed by Blagovegrad – between 14 and 18%.

Radomir and Bobovdol are the municipalities within the region with lowest poverty levels – less than 10% from the population, followed by Kyustendil, Petrich, Sandanski, and Blagoevgrad – between 10 and 15%. The municipalities with the highest levels of poor people among the total number of the households are Strumiani, Gurmen, and Belitsa with a rate higher than 25%.

(b) The Ethnic Group

EABD Area

In the EABD area, the specific ethnic group of the Karakachani (shepherds in the past) is concentrated in the Sliven municipality, mostly in the town of Sliven and its population is approximately 2,000 peoples (Census, 2001). Armenians are more than 3,000 peoples, who are concentrated in the Plovdiv city.

WABD Area

The Gipsy ethnic group in WABD area is the most numerous in the Blagoevgrad district followed by Kyustendil district. In contrast to the Turkish minority, Gipsies are concentrated in the bigger towns, particular in Blagoevgrad, Kyustendil, Pernik, Petrich, Dupnitsa and Razlog.

(c) Gender Issues

In terms of gender issues in Bulgaria, equal rights and the principle of non-discrimination are enshrined in the Bulgarian Constitution (1991). However, the Constitution does not explicitly provide specific regulations on gender equality.

J.3 The Environmental Characteristics of Areas likely to be significantly affected

J.3.1 Water Quality

Based on the proposed classification criteria for surface water quality in the National Report of MoEW in 2005, it can be said that the water quality in the rivers in EABD and WABD in terms of BOD5, COD, NH4-N and NO3-N is in between good and polluted conditions (Class III to IV for the Maritsa, Tundza and Struma Rivera, and II to III in the Arda and Mesta Rivers). However, it can not be concluded that the water quality of these rivers are relatively in good status, because, there are some points where the data do not match with the ocular observation and the other recent data.

Based on the analysis of biotic index (BI) collected from EEA, EABD and WABD, water quality conditions in terms of biological aspects in the EABD and WABD have been estimated along the river courses. The assessed biological classes are Class III (Moderate: moderately polluted waters) to Class IV (Poor: seriously polluted waters) for the Maritsa and Tundza Rivers, and Class II (Good: slightly polluted waters) to IV for the Arda River. They are Class II to V (Bad: very heavily polluted waters) for the Struma River, and Class II to III for the Mesta River.

J.3.2 Biodiversity, Flora and Fauna, and Protected Areas

The country is rich in biological diversity due to its highly varied ecosystem. In the past ten years, the protected area has increased in Bulgaria.

Concerning the flora and fauna of Bulgaria, the forest in the Danube River Basin have been cut down to make field for cultivated land. The Balkan Mountains are covered by broadleaf forests at lower altitudes and by needle-leaf conifers at higher elevations. The vegetation of the Thracian Plain is a mixture of the middle-latitude forest of the north and Mediterranean flora. Deforestation has reduced the amount of wildlife, which includes bears, foxes, squirrels, elks, wildcats, and rodents of various types.

Concerning the protected areas in the Study Area, three national parks; i) Central (Tseritralen) Balkan National Park (almost of half of the Park); ii) Pirin National Park; iii) Rilla National Park are located. Also, there are four nature parks in the Study Area; i) Sinite Kamani Nature Park, ii) Vitosha Nature Park (almost of half of the Park), iii) Rila Monastery Nature Park; iv) Balgarka Nature Park (small parts of the Park).

J.3.3 Social Environment

According to the Statistics, the population of the nation has been increasing until the year 1985 historically, but after that year, it has decreased from 8,948,649 in 1985 to 7,928,901 in 2001. This trend is still continuing to the year 2005 according to the said Statistics. However, the South West Region has increased since 2001. The Capital Sofia, the Municipality Blagoevgrad (Blagoevgrad) in the South West Region and the Municipality Plovdiv (Plovdiv) in the South Central Region have also tendency of increasing population in these years.

Concerning the characteristics of the waste, it is reported that the average quantity of household waste per capita is estimated at 476 kg in Bulgaria. The figures are the highest for the District of Pernik is estimated at 1,568 kg per capita, while these for the District of Plovdiv is 318 kg per capita. The share of the population served by municipal waste collection systems show a tendency of growth in the period 2001-2005 and a rise from 80.2 to 87.8% was reported according to the National Statistical Institute of Bulgaria. The rate is very high for the districts of Smolyan (98.4%) and Pazardzik (97.5%) in the EABD and for the districts of Kjustendil (96.7%) and Blagoevgrad (95.9%) in the WABD.

More wide ranges of the environmental and social characteristics of the Study Areas are described in Section J.2 of this Chapter.

J.4 The Existing Environmental Problems relevant to the draft RBMPs

Based on the objectives and contents of the draft RBMPs, the following environmental elements and their existing problems are directly relevant to the draft RBMPs:

J.4.1 Surface Water Pollution

Surface water pollution is the most important and one of the improvement objectives of the draft RBMPs. According to BOD pollution load analyses by the JICA Study Team, the main present surface water pollution situations are as follows:

EABD Area

- The area around Pazardjik, Plovdiv and Stara Zagora are the highest producers of BOD loads, which followed by the Dimitrovgrad and Haskovo Areas;
- In the Tundzha River Basin, Yambol to Elhovo areas are the highest producer of BOD loads. Sliven and Kazanlak Areas also produce high BOD loads from small areas;
- In the Arda River Basin, Kardzhali and Smolyan Areas are the highest producers of BOD loads; and
- These tendencies of the BOD load distributions coincide with the current pollution conditions along the Maritsa and Tundzha Rivers, where water quality is generally poor to moderate conditions from the upstream to the downstream.

WABD Area

- Blagoevgrad area is the highest producer followed by Pernik, Dupnitsa, Sandanski and Petrich areas:
- In terms of BOD load from unit area, Blagoevgrad, Sandanski, Gotse Delchev areas are the highest density of BOD load, followed by Pernik, Dupnitsa, Bansko and Razlog areas;
- These tendencies of the BOD load distributions coincide with the current pollution conditions along the Struma and Mesta Rivers, and the results of the Risk Analysis for the Surface Water Bodies made by the WABD office of Bulgaria.

J.4.2 Ground Water Pollution

Ground water pollution is also one of the improvement objectives of the RBMPs. Some groundwater pollution risks such as nitrate, harmful heavy metals, and pesticides in Bulgaria are reported. For example, groundwater nitrate contents of many sampling stations in Bulgaria are exceeding the limit values of Bulgaria.

According to the "Annual State of the Environment 2002, EEA of Bulgaria", Eastern Thracian and Burgas hydro-geographical basins are comparatively high contents of nitrate, with some stations are above of the limit. Also, the other points within the EABD area are also exceeding the limits. In the WABD area, the nitrate contents in the 4 stations are exceeding the limits.

In terms of pesticide contents of the groundwater in the Study Area, the values have slightly exceeding of the limit values in 9 stations in the WABD area, the values of the EABD area are below of the limit, according to the EEA of Bulgaria.

J.4.3 Protected Areas Management Issues

The protected areas management is one of the components of the RBMP based on the EU-WFD. The overall present protected areas and their main management issues are as follows:

EABD Area

- Parts of the Central (Tsentralen) Balkan and Rila National Parks, many nature landmarks and protected localities within the EABD area. Some of the management reserves and the other protected areas are situated in the Rhodope Mountain.
- The main protected areas management issues in EABD are i) insufficient conservation activities for important and vulnerable ecosystems, ii) illegal tree cutting activities, iii) forest fire, iv) waste dumping within the protected areas, v) insufficient park management activities based on the legislations.
- EABD has considerably insufficient human resources for management of the protected areas.

WABD Area

- The most diverse and many types of protected areas of Bulgaria exist in the WABD area. There are the Pirin National Park, the predominant portion of the Rila National Park and a small portion of the Central (Tsentralen) Balkan National Park, and Rila Monastery Nature Park, as well as managed reserves, numerous natural monuments.
- The main protected areas management issues in WABD are i) illegal tree cutting activities, ii) conflicts with tourism development and activities within the park areas, iii) water pollution within the protected areas, iv) insufficient conservation activities for important and vulnerable ecosystems.
- WABD has insufficient human resources for management of the protected areas.

J.4.4 Waste Problems

The present waste problems in the Study Area also relevant to the draft RBMPs as one of the main causes of the water pollutions and soil pollution.

There is significant number of landfill sites of extraction industry waste in the areas of the EABD and WABD. The highest environmental pollution risk is mainly by the mine waste and waste dumping related to the metal, uranium, ore extraction, and their processing activities. Most of these facilities are located in the EABD such as river basins of Arda, Topolnitsa, Luda Yana, and Chepelarska. The natural environment within the basins is the most affected by the waste dumping in Topolnitsa and Luda Yana river basins where past and present Copper-ore extraction occurs. Also, landfill sites of uranium-ore extraction mine wastes prevails in the WABD area, where are concentrated in the river

basins of Mesta (upper reach), Dospat, and Struma particular in the near Blagoevgrad town.

There are many waste management issues in the Study Area. For example, it is still observed many illegal waste dumping sites along the many rivers in the Study Area.

J.4.5 Specific environmental issues in the Study Area

It could be pointed out that the specific important environmental issues in the Study Areas relevant to the draft RBMPs are as follows:

- River bank environmental and morphological degradation due to sand gravel extraction activities, uncontrolled construction activities, and illegal activities such as illegal waste dumping along the rivers,
- Soil quality degradation due to insufficient watershed management, and
- Floods and incidental pollution issues due to insufficient river basin management.

The above all existing environmental problems, which are described in section J.4, directly relevant to the draft RBMPs will be worsen obviously, if the RBMPs are not implemented. This is one of the alternatives for considering the environmental assessment as "zero option" in general.

J.5 The Environmental Protection Objectives, established at National Level and International Level, which are relevant to the draft RBMPs

J.5.1 National level

The environmental protection objectives, which are established at National Level of Bulgaria, are described on the "National Strategy on the Environment 2005-2014". The long-term objectives of the "National Strategy on the Environment 2005-2014" are as follows:

- Objective 1: Provision of sufficient quantity of water with the required quality for all the purposes;
- Objective 2: Achievement standards of the quality of atmospheric air in the settlements
- Objective 3: Protection of the natural inheritance and sustenance of the rich biodiversity
- Objective 4: Closer integration of the environmental policy in the policies of development of economic branches
- Objective 5: Effective management of the environment
- Objective 6: Facilitation of the application of the European ecological legislation and international environmental conventions.

The proposing draft RBMPs are obviously one of the main management plans, which are based on the above objectives, particular in the Objective 1 and 5.

J.5.2 International level

The EU-WFD is the main international environmental protection objectives, which are relevant to the proposing draft RBMPs. The EU-WFD is the overriding document in managing European water bodies. It introduces the following basic approaches and principles in water management making them statutory for EU member-states:

- The river basin unit principle for water management;
- Sustainable water use:
- Ecosystems based approach in water assessment and management;
- "Polluter Pay" and "User Pay" principles;
- "Self-recovery" principles for water management; and,
- Integrated Water Management.

The basic planning concepts as well as the basic principles of the proposed programs of measures are derived from the above basic approaches and principles of the EU-WFD.

J.6 The likely significant effects on the environment

The possible favorable and adverse impacts are summarized in Table J.6.1. The modified Leopold Matrix is used for impact evaluations, which include many evaluation items such as "magnitude", "Irreversible or reversible", and both favorable and adverse impacts by any plan or program or activities.

The draft RBMPs themselves will cause many significant possible favorable impacts (water quality improvement, etc.) for the Study Areas for many environmental and social elements. On the other hand, the draft RBMPs may cause some possible adverse impacts, even if those magnitudes of the impacts will be low or very low.

The detailed possible adverse impacts are described bellow:

J.6.1 Air pollution

Construction Phase of the WWTP, sewer network and water supply pipes

- Most of the candidate WWTP sites are placed near riverbanks where sandy soils are widespread (e.g. Kalofer, Karlovo, etc. at EABD Area and Petrich, Gotse Delchev, etc. at WABD Area). Therefore, the construction dust impacts are envisioned especially during summer season;
- Moving, depositing or relocating of the excavated earth and construction wastes by construction or renovation of the WWTP, sewer network, and water supply pipes may cause emissions of dust and Suspended Particulate Matter (SPM) in every construction or renovation site.
- As the site access is possible only by using unpaved roads at Kalofer in EABD Area as well as at Petrich and Gotse Delchev inWABD Area, the dust emissions are expected to occur the sites.
- Heavy machinery such as pile driver and stationary construction equipment may generate exhaust emissions at all the construction sites of the WWTP.

Table J.6.1

	J.1	Leopold M	atrix for th	Modified Leopold Matrix for the draft RBMPs (1/3)		
Items	Nature of Impacts	Direction	Direct/ Indirect	Duration	Irreversible/ Reversible	Magnitude
Social Environment						
Involuntary Resettlement	Involuntary resettlement by the draft RBMPs does not occur.	1	ı	-	ı	ı
Local economy such as employment and livelihood	It could be expected the productivities of local economic activities will be increased due to improvement of water resources distribution.	Favorable	Indirect	Operation phase of the facilities/systems	Reversible	Medium
	Increase in local level employment opportunities such as construction works will be expected.	Favorable	Indirect	Construction phase of the facilities/networks	Reversible	Low
Land use and utilization of local resources	There are very few impacts due to small-scale of proposing facilities or rehabilitation of the existing facilities.	1	-	-	1	ı
Social and local decision-making institutions	There are very few impacts (split of communities, etc.) due to the small-scale of proposing facilities/systems.	1	ı	-	•	•
Existing social infrastructures and services	It could be expected the social infrastructures and services (sewer networks, etc.) will be improved by the implementation of the RBMPs.	Favorable	Direct	Operation phase of the facilities/systems/networks	Reversible	High
The poor, indigenous and ethnic people	The RBMPs will contribute to promote equitable access for the water resources.	Favorable	Indirect	Operation phase of the facilities/systems/networks	Reversible	Low
	But the careful distribution plans, which are taking into account of the poor and the ethnic group, shall be considered.	Adverse	Indirect	Operation phase of the facilities/systems/networks	Reversible	Low
Misdistribution of benefit and damage	Any favorable impacts may occur if the proposing measures (e.g. improvement of water supply systems) are conducted appropriately.	Favorable	Indirect	Operation phase of the facilities/systems	Reversible	Low
Cultural heritage	Very few adverse impacts may occur due to the small-scale facilities/systems.	ı		-	1	
Local conflict of interests	There are very few impacts due to the contents of the draft RBMPs.	ı		•	ı	ı

Table J.6.1

Modified Leopold Matrix for the draft RBMPs (2/3)

	Troubled Ecopora Marita for the art mentals (2/2)	Join Maria	נווג מון מון	(C/7) 6 TIMON		
Items	Nature of Impacts	Direction	Direct/ Indirect	Duration	Irreversible/ Reversible	Magnitude
Water usage or Water rights and Rights of Common	There are very few specific/customary water rights in the Survey Area, while the water rights will be secured through more appropriate water management.	Favorable	Direct	Operation phase of the systems	Reversible	Medium
Sanitation	It is expected many sanitation improvements in conjunction with the water quality improvement.	Favorable	Indirect	Operation phase of the facilities/systems	Reversible	Medium
Hazard (Risk), Infectious diseases such as HIV/AIDS		Favorable	Direct	Operation phase of the facilities/systems	Reversible	Medium
Natural Environment						
Topography and Geographical features	There are very few impacts due to the small scale of the proposing facilities/systems.	-	ı	-	-	-
Soil erosion	Very few adverse impacts due to proper locations (not steep site) of the facilities.	-	1	ı	-	1
Groundwater	Ground water quality improvement of the Study Area is one of the important objectives of the draft RBMPs.	Favorable	Direct	Operation phase of the systems	Reversible	High
Hydrological situation	Long-term favorable impacts may generated by the implementation of the draft RBMPs.	Favorable	Direct	Operation phase of the systems	Reversible	Medium
Coastal Zone (Mangroves, Coral reefs, Tidal flats, etc.,)	There is no coastal zone within the Study Area.	-	1	1	-	-
Flora, Fauna and Biodiversity	Many expected improv	Favorable	Indirect	Operation phase of the systems	Reversible	Medium
	There is a possibility any adverse impacts on existing ecosystem may occur during the construction of the proposing facilities.	Adverse	Indirect	Construction phase of the facilities	Reversible	Low
Meteorology	Very few impacts due to the contents of the draft RBMPs	ı	1	1	1	1
Landscape	Very few adverse impacts due to small-scale of the proposing facilities.		1	1	1	
Global warming	Very few impacts due to proposed measures of the draft RBMPs.	,	ı	1	ı	

Table J.6.1 Modified Leopold Matrix for the draft RBMPs (3/3)

14			1		1 1,	M
liems	nature of Impacts	Direction	Direct Indirect	Duranon	Irreversible/ Reversible	Magnitude
Pollution						
Air pollution	Miner temporary adverse impacts such as dust may occur only during the construction of the proposing facilities.	Adverse	Indirect	Construction phase of the facilities	Reversible	Low
Water pollution	Many favorable direct impacts will be expected. Water quality improvement of the Study Area is the most important objectives of the draft RBMPs.	Favorable	Direct	Operation phase of the facilities/systems	Reversible	High
	Temporary adverse impacts (e.g. construction wastewater problems) may occur.	Adverse	Indirect	Construction phase of the facilities	Reversible	Low
Soil contamination	Favorable impacts will be expected in conjunction with the water quality improvement.	Favorable	Indirect	Operation phase of the facilities	Reversible	Medium
Waste	Favorable impacts will be expected if the water management measures, which includes waste mitigation measures, are implemented.	Favorable	Indirect	Operation phase of the systems	Reversible	Medium
	Some adverse impacts such as construction wastes problems may occur.	Adverse	Indirect	Construction phase of the facilities	Reversible	Low
Noise and vibration	Miner temporary adverse impacts such as construction noise may occur only in the residential areas.	Adverse	Indirect	Construction phase of the facilities	Reversible	Very low
Ground subsidence	Any impacts may not occur due to contents of the draft RBMPs.	1	1	-	-	ı
Offensive odor	Favorable impacts will be expected in conjunction with water quality improvement.	Favorable	Indirect	Operation phase of the systems	Reversible	Medium
	Minor offensive odor problems may occur if no appropriate countermeasures are taken.	Adverse	Indirect	Construction phase of the facilities	Reversible	Low
Bottom sediment	Favorable impacts will be expected in conjunction with water quality improvement.	Favorable	Indirect	Operation phase of the systems	Reversible	Low
Accidents	Favorable impacts will be expected if more appropriate water management conducted.	Favorable	Indirect	Operation phase of the systems	Reversible	Low

J.6.2 Water Pollution

Construction Phase of the WWTP, sewer network

- Insufficient compliance with appropriate construction methods (e.g. discharges of insufficient treated construction wastewater) for sewer network and water supply pipe rehabilitations may cause water pollution;
- Leakage from the uncompleted sewer networks in most of the Study Area could cause groundwater and surface water pollution, and
- Fuel spills form damaged machinery could severely deteriorate the surface and ground water quality in the construction sites of the WWTPs, if no preventive measures conducted;

O/M Phase of the WWTP, sewer network

- Underestimated high water level of the river near the candidate WWTP at Sandanski in WABD Area may cause water pollution by overflows of the wastewaters or other pollutants relevant to flood or heavy rains.
- There are operation incidents possibilities such as malfunction in pumping equipment of sewer network (e.g. energy supply interruption) may cause sewage overflow into the ground water at all the sewer network construction and renovation sites.

J.6.3 Noise and Vibration

Construction Phase of the WWTP

- Construction equipment and heavy machinery on site of the WWTP may cause noise and vibration problem near the residential sites such as at Asenovgrad in EABD Area and at Petrich in WABD Areas;
- Noise and vibration may occur during the transportation of heavy trucks from the town center to the construction sites of the WWTP such as at Kalofer in EABD Areas and at Sandanski in WABD Area.

J.6.4 Offensive Odor

Construction Phase of the WWTP

• There is a possibility that malfunction of the construction large equipment (e.g. fuel spills) may generate offensive odor especially at the residential areas of all the WWTP sites.

O/M Phase of the WWTP, sewer network

- Inappropriate sludge drying and treatment equipments on site of the WWTPs may cause offensive odor at the residential areas;
- Malfunction in pumping equipment (e.g. energy supply interruption) of the WWTP or sewer network may cause offensive odor by sewage overflow.

J.6.5 Flora, Fauna, Biodiversity

Construction Phase of the New WWTPs

• There is a possibility that existing flora may disturbed by the construction of the new WWTPs.

J.6.6 Waste

Construction Phase of the WWTP, sewer network and water supply pipes

 Moving, depositing or relocating of the excavated materials by the construction or rehabilitation of the proposing facilities may cause construction waste problems all the construction sites, if no appropriate measures taken.

J.6.7 The Poor, Ethnic Group

O/M Phase of water supply, irrigation systems

• The installed services for water supply or irrigation systems as well as flood warning system may cause any unbalanced benefits to the poor or ethnic groups.

Concerning the possible impacts for the poor, the main possible affected areas might be small villages at Pazardjik district, where the official unemployment rate is about 14%, in EABD Area and at Kyustendil district in WABD Area.

• Concerning the possible impacts for the ethnic group, the main possible affected areas might be small villages at Sliven district, where "Karakachani" (A traditional shepherds group) in EABD Area and at Blagoevgrad in WABD Area.

Concerning the possible impacts for the ethnic group, the main possible affected areas might be small villages at Sliven district, where "*Karakachani*" (A traditional shepherds group) in EABD Area and at Blagoevgrad in WABD Area.

J.7 Mitigation Measures for Possible Significant Impacts

J.7.1 Mitigation Measures for Possible Main Adverse Impacts

The main mitigation measures for possible adverse impacts in each selected environmental and social element are summarized in the following table.

Environmental	Possible main adverse impacts	Mitigation measures
and		
Social Elements Air Pollution	As the site access to candidate WWTPs sites	All an aita unnavad na da and aff aita
Air Pollution	such as Kalofer, Petrich, Gotse Delchev sites are possible only by using unpaved roads, the dust emissions are expected to occur.	All on-site unpaved roads and off-site unpaved access roads shall be stabilized of dust emissions using water (preventive measure)
	Moving, depositing or relocating of the excavated materials may cause emissions of dust and SPM.	When materials are transported, the materials shall be covered to eliminate the emissions (<i>preventive measure</i>).
	Heavy machinery and stationary construction equipment may generate exhaust emissions.	To reduce the engine emissions, it shall minimize idling time of the engines (<i>reduction measure</i>)
Water Pollution	Underestimated high water level of the river near the candidate WWTP such as Sandanski may cause water pollution by overflow of the wastewaters or other pollutants.	Candidate WWTP sites near riverside or flood prone zone shall be created high foundation (<i>preventive measure</i>)
	Leakage of the unimproved sewer networks could cause underground water as well as surface water pollution	Conduct the quality check of the renovated sewer network to avoid leakage (preventive measure)
	Fuel spills form damaged machinery usage may deteriorate the surface and underground water quality.	Appropriate use and maintenance of construction machineries to prevent the oil spills (<i>preventive measure</i>)
Noise and Vibration	Construction equipment and heavy machinery on site may cause noise and vibration problem near the residential sites.	Set construction time schedule, which use heavy machineries for only daytime (preventive measure)
	Noise and vibration may occur during the transportation of heavy trucks from the town center to the construction site.	Designate the route for heavy trucks to minimize the noise and vibration nuisances (offset measure)
Offensive odor	Inappropriate sludge drying and treatment equipments on site of the WWTPs may cause offensive odor.	Installation of odor removal equipment at the sludge treatment facilities (reduction measure);
	Malfunction of the construction large equipment (e.g. fuel spills) may generate offensive odor.	Construction equipments should be conducted the regular maintenance and check (preventive measure)
Flora, Fauna, Biodiversity	It is a possibility that existing flora may disturbed by the construction of the new WWTPs.	Valuable flora could be transplanted into another site, which may have almost same ecosystem (compensatory measure)
Waste	Moving, depositing or relocating of the excavated materials may cause construction waste problems.	Construction waste disposal sites should be identified and be disposed appropriately. (preventive measure)
The Poor, Ethnic Group	The installed services such as water supply/irrigation/flood warning system may cause any unbalanced benefits to the poor or ethnic group.	Careful distribution plans for equitable access for water supply or irrigation systems shall be considered in the poor or ethnic group concentrated areas. (preventive measure)

J.7.2 Other Mitigation Measures

Other mitigation measures of the possible adverse impacts for each selected element are as follows:

(1) Air pollution

Construction Phase

- Designate the route from the WWTPs sites to the most commonly used construction materials warehouses or depots in order to prevent or minimize residential area nuisances by the heavy trucks traffic (preventive measure); and
- All construction equipment should be operated with well maintained engines (*reductive measure*).

(2) Water Pollution

Construction Phase

• Appropriate use and maintenance of construction machineries to prevent the oil spills (*preventive measure*)

Operation and Maintenance Phase

- Conduct the quality check of the renovated sewer network to avoid leakage (preventive measure),
- Equipment that guarantee uninterrupted operation of the pumping stations (e.g. emergency power source) should be foreseen (*preventive measure*),

(3) Offensive Odor

Construction Phase

• Construction equipments should be conducted the regular maintenance and check (*preventive measure*).

Operation and Maintenance Phase

- Installation of odor removal equipment at the sludge treatment facilities (reduction measure);
- Preparation and implementation of a waste and sludge management program for each WWTP (*preventive measure*).

J.8 An Outline and the Reasons for Selecting of the Alternatives

The following case is already considered as an alternative for the environmental and social considerations for the draft RBMPs.

- Without the implementation of the RBMPs case (Zero option)
 - If the concrete construction sites, their main functions, and possible pollution substances of the proposing facilities such as new WWTPs, could be identified during the planning process of the finalizing RBMPs, the following case could be considered as another alternative for environmental assessment by the Bulgaria's governments.
- Alternative case on the proposed programs of measures, which composed of the combined cases of the structural measures. (e.g., many small-scale WWTPs construction or few large-scale WWTPs construction, etc.).

The other possible alternative is the combination of the construction sites of the proposed structure measures such as new WWTPs, which may cause any different levels of the possible environmental and social impacts by the site locations.

However, in the draft RBMPs phase, the alternative for environmental and social considerations could be considered for the case of the zero option only due to the uncertainty of the functions, the scale, and the exact location for the proposing facilities and the limitation of available data /information.

J.9 Recommended Monitoring and Control Plan

It is recommended that the monitoring and control plan for the possible main adverse impacts, which is shown in the following table, could be considered at the formulation of the finalized RBMPs.

Environmental and	Manitarina an Cantual Astinitias	E	Dagagaible
Environmental and	Monitoring or Control Activities	Frequency	Responsible
Social Elements	Destruction less two desires into the	M 41.1	Authority
Air Pollution	Dust emissions level monitoring into the residential areas, where the trucks are passing	Monthly	RIEW
	Air quality monitoring and control in the	Monthly	RIEW
	residential areas	Monuny	RIEW
	Dust level control on the construction site	Daily during the	Construction site
		construction	manager
	Regular checking and monitoring of the	Weekly during the	Construction site
	equipments and vehicles' engines	construction	manager
	Observation for control of the speed of the	In the case of many	Municipality and
	heavy trucks around the residential areas	heavy trucks used	Traffic police
Water Pollution	Periodic monitoring and inspections of the	Yearly	Municipalities and
	sewerage systems		RIEW
	Monitoring the fulfillment of the	Yearly	EABD and
	requirements as settled in the permits for		WABD
	water discharges into river or other water		
	bodies.		
	Quality assurance monitoring and control	Weekly during the	Municipalities
	(checking) during the renovation of the	construction phase	
	sewerage and water supply networks.		
	Control of illegal tapping or intervention into	Regularly	Municipalities
	the sewerage systems.	** 1	E+DD W+DD
	Monitoring the surface and ground water	Yearly	EABD, WABD
			and
NI - ' 1 X7'1 '	Notice and allowed and beautiful and the	M 41.1	RIEW
Noise and Vibration	Noise and vibration levels measuring, at the	Monthly	RIEW
	residential areas, where the trucks are passing Controlling the transportation route and the	Regularly	Municipality and
	speed of the heavy trucks.	Regularly	Traffic police
Offensive odor	Periodic monitoring and inspections of the	Yearly	Municipalities and
Offensive odol	sewerage systems.	Tearry	RIEW
	Controlling of illegal tapping or intervention	Regularly	Municipalities
	into the sewerage systems	Regularly	withincipanties
	Controlling the unregulated waste disposal	Regularly	Municipalities and
	Controlling the unregulated waste disposar	Regularly	RIEW
	Monitoring of the Waste and Sludge	Yearly	Municipalities and
	situations of the new WWTPs		RIEW
Flora, Fauna,	Conduct ecological monitoring, including	Yearly	RIEW
Biodiversity	flora and vegetation field survey	J. J.	
Waste	Conduct regular construction waste control	Monthly	Municipalities
	inspections	,	
The Poor, ethnic	Conduct questionnaire surveys concerning	Yearly	Municipalities and
group	the socio-economic situations including	•	National statistical
	water supply/use situations/issues in the		Institute
	Study Area.		
	Monitoring for the services for water	Yearly	Municipalities,
	infrastructures and flood systems.		MSPDA
	Conduct interview surveys on the public	Monthly	Municipalities
	access to clean water and sewerage.		

J.10 A non-technical summary of the Environmental Assessment

J.10.1 An Outline of the Main Objectives of the draft RBMPs and the relationship with other relevant to the draft RBMPs

The draft RBMPs has the following main objectives:

- Formulate an Integrated Water Management Plan (surface water quantity and quality, groundwater quantity and quality) in the EABD and WABD area
- Establishment of water monitoring plan in the EABD and WABD area, and
- Propose programs of measures for water quality management, water supply improvement, and irrigation water management.

The draft RBMPs have the following main proposed programs of the measures, which may affect on the existing environmental and social situations in the Study Area:

- Programs of measures for water quality management (e.g. rehabilitations /installation of some WWTPs)
- Programs of measures for water supply improvement (e.g. rehabilitation of water supply pipes and networks)
- Programs of measures for irrigation water management (e.g. rehabilitation of irrigation facilities)

The relevant plans/programs with the draft RBMPs are as follows:

- Danube River Basin Management Plan
- Black Sea River Basin Management Plan
- National Regional Development Strategy (NRDS) for the period 2005-2015
- Operation Program "Regional Development Plans "2007-2013"
- District Development Strategies, Municipal Development Plans, Spatial Plan

J.10.2 The Current State of the Environmental/Social Items without the draft RBMPs

The summary of the current state of the environmental and social items is shown in the following table.

Environmental and Social	Main Current Status
Surface Water Quality	Surface water quality in the Study Area is deteriorated mainly due to the industrial wastewater, domestic wastewater, waste dumping, and other causes such as tailing ponds of mining activities.
Groundwater quality	There are groundwater pollution risks mainly due to harmful heavy metals, pesticides, and the others.
Air quality	In the Study area, Cadmium and lead are still high concentration in Plovdiv in the EABD. Sulfur dioxide and lead are still high concentration in Pernik in the WEBD.
Soil pollution	In the Study Area, copper and zinc in some orchards yard areas close to border with Macedonia, as well as surrounding areas of Plovdiv and Sliven are exceeding each limit value of Bulgaria.
Noise	In the Study Area, noise level in some of the big town areas or industrial areas such as Plovdiv, Blagoevgrad, and Pernik might be exceeded the Bulgaria's Norm.
Climate	In the Study Area, many valley basin scattered through uplands have temperature inversions resulting in stagnant air. Winters along the Maritsa River and are cold, while sheltered valleys opening to the south along the Greek and Turkish borders is mild.
Topography and geology	In the Study Area, the south edge of the Danube Plain slopes upward into the foothills of the Balkan Mountains, which are highest in the western part of the Country. The important natural resources in the Study Area by mining are black and brown coals
Hydrological situations	In the Study Area, Several major rivers flow directly to the Aegean Sea. Most of these streams fall swiftly from the mountains and have cut deep.
Soil erosion	In the Study Area, in particular, many high parts of the Balkan Mountains, and the other areas, close to the southern border with Greece in the Rhodope Mountains are categorized as "high to very high erosiveness" or "very high erosiveness".
Biodiversity, Protected Areas, flora and Fauna	Although Bulgaria is relatively small country, it is rich in biological diversity due to its highly varied ecosystems. In the Study Area, three national parks; i) Central (Tseritralen) Balkan National Park (almost of half of the Park); ii) Pirin National Park; iii) Rilla National Park are located.
Natural Disaster	Bulgaria is prone to droughts. In the Study Area, in particular, the upper Thracian lowlands are flood-prone areas. Bulgaria is also prone to droughts.
Economic activities	In the Study Area, agricultures such as animal breeding and vineyards cultivation, and industries such as manufacturing, food processing, and mining, as well as tourism are the main economic activities.
Land use	Within the EABD area, "Agricultural Area" is very dominant in the Tundja and the Maritsa River Basins. Within the WABD area, "Forest" is very dominant
Transportation	Within the Study Area, there are few inland waterway transportations.
Cultural heritage	Each important cultural heritages sites scattered and small-scale through the whole country. Also, Bulgaris has many natural heritages especially in the mountain areas.
Water right	Regarding any common rights or traditional rights for using waters and water bodies, the Water Act of Bulgaria does not regulate clearly.
Waste	It is reported recently that the biggest waste amount per capita in Bulgaria was the Pernik district in the WABD area. And, the second biggest district for using waste transportation services was the Smolian district in the EABD.
Public health conditions	In Bulgaria, the potable water quality was improved for chemical and permissible indicators and the standard compliance achieves more than 95%, but the adverse trend for the micro-biologic indicator.
The Poor, Ethnic Group	The average poverty level within the range of EABD area in 2003 varies. Within the WABD, the districts with the lowest poverty levels in 2003 are Pernik and Kuystendil The Turkish population is concentrated in the southeastern parts of the country.

J.10.3 The Environmental Characteristics of Areas likely to be significantly affected

(1) Water Quality

It can be said that the water quality in the rivers in EABD and WABD in terms of BOD5, COD, NH4-N and NO3-N is in between good and polluted conditions (Class III to IV for the Maritsa, Tundza and Struma Rivera, and II to III in the Arda and Mesta Rivers). However, it can not be concluded that the water quality of these rivers are relatively in good status, because, there are some points where the data do not match with the ocular observation and the other recent data.

(2) Biodiversity, Flora and Fauna

The country is rich in biological diversity due to its highly varied ecosystem. In the past ten years, the protected area has increased in Bulgaria.

Concerning the flora and fauna of Bulgaria, the forest in the Danube River Basin have been cut down to make field for cultivated land. The Balkan Mountains are covered by broadleaf forests at lower altitudes and by needle-leaf conifers at higher elevations. The vegetation of the Thracian Plain is a mixture of the middle-latitude forest of the north and Mediterranean flora. Deforestation has reduced the amount of wildlife, which includes bears, foxes, squirrels, elks, wildcats, and rodents of various types.

(3) Waste

The rate of the population served by municipal waste collection systems is very high for the districts of Smolyan (98.4%) and Pazardzik (97.5%) in the EABD and for the districts of Kjustendil (96.7%) and Blagoevgrad (95.9%) in the WABD.

J.10.4 The Existing Environmental Problems relevant to the draft RBMPs

(1) Surface Water Pollution

EABD Area

- The area around Pazardjik, Plovdiv and Stara Zagora are the highest producers of BOD loads, which followed by the Dimitrovgrad and Haskovo Areas;
- In the Tundzha River Basin, Yambol to Elhovo areas are the highest producer of BOD loads. Sliven and Kazanlak Areas also produce high BOD loads from small areas;
- In the Arda River Basin, Kardzhali and Smolyan Areas are the highest producers of BOD loads; and
- These tendencies of the BOD load distributions coincide with the current pollution conditions along the Maritsa and Tundzha Rivers, where water quality is generally poor to moderate conditions from the upstream to the downstream.

WABD Area

- Blagoevgrad area is the highest producer followed by Pernik, Dupnitsa, Sandanski and Petrich areas;
- In terms of BOD load from unit area, Blagoevgrad, Sandanski, Gotse Delchev areas are the highest density of BOD load, followed by Pernik, Dupnitsa, Bansko and Razlog areas;
- These tendencies of the BOD load distributions coincide with the current pollution conditions along the Struma and Mesta Rivers, and the results of the Risk Analysis for the Surface Water Bodies made by the WABD office of Bulgaria.

(2) Ground Water Pollution

Ground water pollution is also one of the improvement objectives of the RBMPs. Some groundwater pollution risks such as nitrate, harmful heavy metals, and pesticides in Bulgaria are reported. For example, groundwater nitrate contents of many sampling stations in Bulgaria are exceeding the limit values of Bulgaria.

In terms of pesticide contents of the groundwater in the Study Area, the values have slightly exceeding of the limit values in 9 stations in the WABD area, the values of the EABD area are below of the limit, according to the EEA of Bulgaria.

(3) Protected Areas Management Issues

EABD Area

- Parts of the Central (Tsentralen) Balkan and Rila National Parks, many nature landmarks and protected localities within the EABD area. Some of the management reserves and the other protected areas are situated in the Rhodope Mountain.
- The main protected areas management issues in EABD are i) insufficient conservation activities for important and vulnerable ecosystems, ii) illegal tree cutting activities, iii) forest fire, iv) waste dumping within the protected areas, v) insufficient park management activities based on the legislations.
- EABD has considerably insufficient human resources for management of the protected areas.

WABD Area

- The most diverse and many types of protected areas of Bulgaria exist in the WABD area. There are the Pirin National Park, the predominant portion of the Rila National Park and a small portion of the Central (Tsentralen) Balkan National Park, and Rila Monastery Nature Park, as well as managed reserves, numerous natural monuments.
- The main protected areas management issues in WABD are i) illegal tree cutting activities, ii) conflicts with tourism development and activities within the park areas, iii) water pollution within the protected areas, iv) insufficient conservation activities for important and vulnerable ecosystems.
- WABD has insufficient human resources for management of the protected areas.

(4) Waste Problems

There is significant number of landfill sites of extraction industry waste in the areas of the EABD and WABD. The highest environmental pollution risk is mainly by the mine waste and waste dumping related to the metal, uranium, ore extraction, and their processing activities. There are many waste management issues in the Study Area. For example, it is still observed many illegal waste dumping sites along the many rivers in the Study Area.

(5) Specific environmental issues in the Study Area

- River bank environmental and morphological degradation due to sand gravel extraction activities, uncontrolled construction activities, and illegal activities such as illegal waste dumping along the rivers,
- Soil quality degradation due to insufficient watershed management, and
- Floods and incidental pollution issues due to insufficient river basin management.

J.10.5 The Environmental Protection Objectives, established at National Level and International Level, which are relevant to the draft RBMPs

(1) National level

The environmental protection objectives, which are established at National Level of Bulgaria, are described on the "National Strategy on the Environment 2005-2014".

The proposing draft RBMPs are obviously one of the main management plans, which are based on the objectives of the "National Strategy on the Environment 2005-2014"

(2) International level

The EU-WFD is the main international environmental protection objectives, which are relevant to the proposing draft RBMPs. The EU-WFD is the overriding document in managing European water bodies. It introduces the basic approaches and principles in water management making them statutory for EU member-states:

The basic planning concepts as well as the basic principles of the proposed programs of measures are derived from the basic approaches and principles of the EU-WFD.

J.10.6 The likely significant effects on the environment

The modified Leopold Matrix is used for impact evaluations, which include many evaluation items such as "magnitude", "Irreversible or reversible", and both favorable and adverse impacts by any plan or program or activities.

J.10.7 Mitigation Measures for Possible Significant Impacts

The possible main adverse impacts and their mitigation measures for each selected environmental and social element are summarized in the following table.

Environmental	Possible main adverse impacts	Mitigation massures
and	r ossible main adverse impacts	Mitigation measures
Social Elements		
Air Pollution	As the site access to candidate WWTPs sites	All on-site unpaved roads and off-site
All I ollution	such as Kalofer, Petrich, Gotse Delchev sites	unpaved access roads shall be
	are possible only by using unpaved roads, the	stabilized of dust emissions using
	dust emissions are expected to occur.	water (preventive measure)
	Moving, depositing or relocating of the	When materials are transported, the
	excavated materials may cause emissions of	materials shall be covered to eliminate
	dust and SPM.	the emissions (preventive measure).
	Heavy machinery and stationary construction	To reduce the engine emissions, it
	equipment may generate exhaust emissions.	shall minimize idling time of the
Water Pollution	Underestimated high water level of the river	engines (<i>reduction measure</i>) Candidate WWTP sites near riverside
water Foliution	near the candidate WWTP such as Sandanski	or flood prone zone shall be created
	may cause water pollution by overflow of the	high foundation (preventive measure)
	wastewaters or other pollutants.	ingir roundation (prevenure incustive)
	Leakage of the unimproved sewer networks	Conduct the quality check of the
	could cause underground water as well as	renovated sewer network to avoid
	surface water pollution	leakage (preventive measure)
	Fuel spills form damaged machinery usage	Appropriate use and maintenance of
	may deteriorate the surface and underground	construction machineries to prevent
Noise and	water quality. Construction equipment and heavy machinery	the oil spills (<i>preventive measure</i>) Set construction time schedule, which
Vibration	on site may cause noise and vibration problem	use heavy machineries for only
Violation	near the residential sites.	daytime (preventive measure)
	Noise and vibration may occur during the	Designate the route for heavy trucks to
	transportation of heavy trucks from the town	minimize the noise and vibration
	center to the construction site.	nuisances (offset measure)
Offensive odor	Inappropriate sludge drying and treatment	Installation of odor removal
	equipments on site of the WWTPs may cause	equipment at the sludge treatment
	offensive odor.	facilities (reduction measure);
	Malfunction of the construction large	Construction equipments should be
	equipment (e.g. fuel spills) may generate offensive odor.	conducted the regular maintenance and check (preventive measure)
Flora, Fauna,	It is a possibility that existing flora may	Valuable flora could be transplanted
Biodiversity	disturbed by the construction of the new	into another site, which may have
Biodiversity	WWTPs.	almost same ecosystem
		(compensatory measure)
Waste	Moving, depositing or relocating of the	Construction waste disposal sites
	excavated materials may cause construction	should be identified and be disposed
TDI D Ed.	waste problems.	appropriately. (preventive measure)
The Poor, Ethnic	The installed services such as water supply/	Careful distribution plans for
Group	irrigation/flood warning system may cause any unbalanced benefits to the poor or ethnic	equitable access for water supply or irrigation systems shall be considered
	group.	in the poor or ethnic group
	Prouh.	concentrated areas. (preventive
		measure)
L	ı	/

J.10.8 An Outline and the Reasons for Selecting of the Alternatives

The following case is already considered as an alternative for the environmental and social considerations for the draft RBMPs.

- Without the implementation of the RBMPs case (Zero option)
 - If the concrete construction sites, their main functions, and possible pollution substances of the proposing facilities such as new WWTPs, could be identified during the planning process of the finalizing RBMPs, the following case could be considered as another alternative for environmental assessment by the Bulgaria's governments.

 Alternative case on the proposed programs of measures, which composed of the combined cases of the structural measures. (e.g., many small-scale WWTPs construction or few large-scale WWTPs construction, etc.).

The other possible alternative is the combination of the construction sites of the proposed structure measures such as new WWTPs, which may cause any different levels of the possible environmental and social impacts by the site locations.

However, in the draft RBMPs phase, the alternative for environmental and social considerations could be considered for the case of the zero option only due to the uncertainty of the functions, the scale, and the exact location for the proposing facilities and the limitation of available data /information.

J.10.9 Recommended Monitoring and Control Plan

It is recommended that the monitoring and control plan for the possible main adverse impacts, which is shown in the following table, could be considered at the formulation of the finalized RBMPs.

Environmental and Social Elements	Monitoring or Control Activities	Frequency	Responsible Authority
Air Pollution	Dust emissions level monitoring into the residential areas, where the trucks are passing	Monthly	RIEW
	Air quality monitoring and control in the residential areas	Monthly	RIEW
	Dust level control on the construction site	Daily during the	Construction site manager
	Regular checking and monitoring of the	construction Weekly during	Construction
	equipments and vehicles' engines	the construction	site manager
	Observation for control of the speed of the heavy trucks around the residential areas	In the case of many heavy	Municipality and Traffic
Water Pollution	Desiredia manitaning and inspections of the	trucks used	police
water Pollution	Periodic monitoring and inspections of the sewerage systems	Yearly	Municipalities and RIEW
	Monitoring the fulfillment of the requirements as settled in the permits for water discharges into river or other water bodies.	Yearly	EABD and WABD
	Quality assurance monitoring and control (checking) during the renovation of the sewerage and water supply networks.	Weekly during the construction phase	Municipalities
	Control of illegal tapping or intervention into the sewerage systems.	Regularly	Municipalities
	Monitoring the surface and ground water	Yearly	EABD, WABD and RIEW
Noise and	Noise and vibration levels measuring, at the	Monthly	RIEW
Vibration	residential areas, where the trucks are passing Controlling the transportation route and the speed of the heavy trucks.	Regularly	Municipality and Traffic
Offensive odor	Periodic monitoring and inspections of the sewerage systems.	Yearly	police Municipalities and RIEW
	Controlling of illegal tapping or intervention into the sewerage systems	Regularly	Municipalities
	Controlling the unregulated waste disposal	Regularly	Municipalities and RIEW
	Monitoring of the Waste and Sludge situations of the new WWTPs	Yearly	Municipalities and RIEW
Flora, Fauna, Biodiversity	Conduct ecological monitoring, including flora and vegetation field survey	Yearly	RIEW
Waste	Conduct regular construction waste control inspections	Monthly	Municipalities
The Poor, ethnic group	Conduct questionnaire surveys concerning the socio-economic situations including water supply/use situations/issues in the Study Area.	Yearly	Municipalities and National statistical Institute
	Monitoring for the services for water infrastructures and flood systems.	Yearly	Municipalities, MSPDA
	Conduct interview surveys on the public access to clean water and sewerage.	Monthly	Municipalities