# LIST OF PRIORITY PROJECTS

# AGRICULTURE SECTOR

	PROJECT	AMOUNT KM
1	Increase of plant nursery capacities and cooling capacities for berry fruit	20,000,000
2	Reproduction center for restoration of livestock	12,000,000
3	Organic greenhouse production of vegetables	25,000,000
4	Manufacture of greenhouse structures	7,000,000
5	Cattle and Goat Farm, the Una-Sana Canton	20,000,000
6	Collection stations for mushrooms, medicinal herbs and forest fruits	8,000,000
7	Sheep breeding development	18,000,000
8	Restoration of cooperative-organizing and establishment of regional machinery rings	19,000,000
9	Restoration and establishment of BiH autochthonous fruits nurseries	5,000,000
10	Development of one man companies for production of dairy products in rural areas	10,000,000
11	Revitalization of the company Agrokomerc	15,000,000
12	Increase of capacities for production of beef to 15,000 t per year	56,000,000

TOTAL 215,000,000

PROJECT NUMBER 1

#### **PARTNER**

IFAD (International Fund for Agricultural Development) and OFID (OPEC Fund for International Development

INVESTMENT VALUE

20,000,000 KM

REALIZATION PERIOD

3 YEARS

# **Project Title**

Increase of plant nursery capacities and cooling capacities for berry fruit

**Rural Business Development Project - RBDP** 

#### PROJECT DECRIPTION

General goal is to reduce poverty in rural areas through increase of population's income and strengthening of their capability to achieve fast recovery through starting the profitable farming and non-farming companies. Assistance to the farmers to survive, striving to have them converted from the production for their own needs to production for commercial purposes.

#### **PROJECT STATUS**

- Realization of the Project underway
- Includes 27 municipalities in F BiH
- Direct benefits for more than 20,000 rural households

✓	
IFAD	22,260,000 KM
OFID	9,360,000 KM
FI	2,170,000 KM
Government FBiH	1,960,000 KM
Beneficiaries	3,202,000 KM



PROJECT NUMBER 2

#### **PARTNER**

Federal Ministry of Agriculture, Water-Management and Forestry

INVESTMENT VALUE

12,000,000 KM

**REALIZATION PERIOD** 

5 YEARS

# **Project Title**

Reproduction center for restoration of livestock

# PROJECT DESCRIPTION

Establishment of centers for reproducion in cattle breeding for variety of cattle breeds purposed for production of milk and for fattening, and repro centers for sheep and goat breeding.

Repro center for breeding the reproductive heifers - 2,000 heads

Repro center for breeding the reproductive sheep - 3,000 heads

# PROJECT STATUS

✓

Project is in different phases of preparation

Туре		Form	
Loan	Commercial	Development ("soft")	Subordinated debt
Joint Venture	minority	majority	Golden share
Public-Private Partnership (PPP)	PFI	вот / воот	DBEO



PROJECT NUMBER 3

#### **PARTNER**

IFAD (International Fund for Agricultural Development) and OFID (OPEC Fund for International Development

#### **INVESTMENT VALUE**

25,000,000 KM

#### REALIZATION PERIOD

3 YEARS

# **Project Title**

Organic greenhouse production of vegetables Rural Business Development Project - RBDP

#### PROJECT DESCRIPTION

General goal is to reduce poverty in rural areas through increase of population's income and strengthening their capability to achieve fast recovery through starting the profitable farming and non-farming companies. Assistance to the farmers to survive, striving to have them converted from the production for their own needs to production for commercial purposes.

# **PROJECT STATUS**

Realization of the Project underway

Includes 27 municipalities in F BiH

Direct benefits for more than 20,000 rural households

#### **FUNDING MODELS**

✓ IFAD 22,260,000 KM

✓ OFID 9,360,000 KM

✓ FI 2,170,000 KM

✓ Government FBiH 1,960,000 KM

✓ Beneficiaries 3,202,000 KM



PROJECT NUMBER 4

**PARTNER** 

Federal Ministry of Agriculture, Water-Management and Forestry

INVESTMENT VALUE

7,000,000 KM

REALIZATION PERIOD

**5 YEARS** 

Project Title

Manufacture of greenhouse structures

# PROJECT DESCRIPTION

In cooperation with private sector companies already operating in the manufacture of greenhouse structures area, to upgrade the manufacture of greenhouse structures purposed for both local and foreign markets.

# **PROJECT STATUS**



Project is in different phases of preparation

Туре	Form		
Loan	Commercial	Development ("soft")	Subordinated debt
Joint Venture	minority	majority	Golden share
Public-Private Partnership (PPP)	PFI	вот / воот	DBEO



PROJECT NUMBER 6

# **Project Title**

Collection stations for mushrooms, medicinal herbs and forest fruits Rural Business Development Project - RBDP

# PROJECT DESCRIPTION

General goal is to reduce poverty in rural areas through increase of population's income and strengthening their capability to achieve fast recovery through starting the profitable farming and non-farming companies. Assistance to small farmers to impove their productibility and become more competitive on the market, and assistance to the sector of rural non-farming companies to create the opportunities for employment and income generation. Primarily berry fruits, greenhouse or outdoor grown vegetables, medicinal and aromatic plants, and forest fruits, mostly export-oriented production.

#### **PROJECT STATUS**

Project is in different phases of preparation

All municipalities in F BiH included

#### **FUNDING MODELS**

✓	
IFAD	22,925,000 KM
√ FI	3,850,000 KM
✓ ·	3,030,000 KM
Government FBiH	1,907,500 KM
✓ Beneficiaries	7,000,000 KM



#### **PARTNER**

**IFAD** (International Fund for Agricultural Development)

INVESTMENT VALUE

8,000,000 KM

REALIZATION PERIOD

5 YEARS

PROJECT NUMBER 7

**PARTNER** 

Federal Ministry of Agriculture, Water-Management and Forestry

INVESTMENT VALUE

18,000,000 KM

**REALIZATION PERIOD** 

**5 YEARS** 

Project Title Sheep Breeding Development

# PROJECT DESCRIPTION

Based on survey conducted and demand identified for sheep milk and meat, appropriate programs for development of sheep breeding in the areas that have tradion in this type of production should be prepared.

# **PROJECT STATUS**

**√** 

Project is in different phases of preparation

Туре		Form	
Loan	Commercial	Development ("soft")	Subordinated debt
Joint Venture	minority	majority	Golden share
Public-Private Partnership (PPP)	PFI	BOT / BOOT	DBEO



PROJECT NUMBER 9

**PARTNER** 

Federal Ministry of Agriculture, Water-Management and Forestry

INVESTMENT VALUE

5,000,000 KM

**REALIZATION PERIOD** 

5 YEARS

# **Project Title**

Restoration and establishment of BiH autochthonous fruits nurseries

# PROJECT DESCRIPTION

A survey and analysis of current situation should be conducted, and based on the findings, revitalization of existing nurseries should be conducted, and if there would be need and interest, new autochthonous fruits nurseries would be established in order to preserve the genome and to increase production.

#### **PROJECT STATUS**



Project is in different phases of preparation

Туре	Form		
Loan	Commercial	Development ("soft")	Subordinated debt
Joint Venture	minority	majority	Golden share
Public-Private Partnership (PPP)	PFI	вот / воот	DBEO



PROJECT NUMBER 10

#### **PARTNER**

Federal Ministry of Agriculture, Water-Management and Forestry

INVESTMENT VALUE

10,000,000 KM

**REALIZATION PERIOD** 

5 YEARS

# **Project Title**

Development of one man companies for milk processing and production of dairy products in rural areas

# PROJECT DESCRIPTION

Striving to preserve the tradition and meet the increasing market demand, the existing small facilities for this production in rural areas should be reinforced or the new ones established.

# **PROJECT STATUS**



Project is in different phases of preparation

Туре	Form		
Loan	Commercial	Development ("soft")	Subordinated Debt
Joint Venture	minority	majority	Golden share
Public-Private Partnership (PPP)	PFI	вот / воот	DBEO



PROJECT NUMBER 11

**PARTNER** 

Federal Ministry of Agriculture, Water-Management and Forestry

INVESTMENT VALUE

15,000,000 KM

REALIZATION PERIOD

**5 YEARS** 

# **Project Title**

Revitalization of the company Agrokomerc

# PROJECT DESCRIPTION

A revision of a poorly implemented privatization of the company Agrokomerc to be conducted, and in cooperation with the Development Bank of FBiH and Federal Ministry of Agriculture, Water-Management and Forestry, a strategic partner should be found in order to start using the capacities of the company for production and processing.

# **PROJECT STATUS**



Project is in different phases of preparation

Туре		Form	
Loan	Commercial	Development ("soft")	Subordinated debt
Joint Venture	minority	majority	Golden share
Public-Private Partnership (PPP)	PFI	BOT / BOOT	DBEO



PROJECT NUMBER 12

**PARTNER** 

Federal Ministry of Agriculture, Water-Management and Forestry

INVESTMENT VALUE

56,000,000 KM

**REALIZATION PERIOD** 

2 YEARS

# **Project Title**

Increase of capacities for production of beef to 15,000 t per year

# PROJECT DESCRIPTION

Based on an agreement achieved between B&H and Turkey and obtained quota for exportation of 6,000 t of the fresh beef and 1,000 t of dried beef products, and based on interest expressed by the Turkish companies in additional quantities of beef from B&H and EU, capacities for calf fattening in private sector should be developed in order to be able to provide the requested quantities of beef.

#### **PROJECT STATUS**

✓

Project is ready for realization, documentation prepared, funding models identified, delivery mode defined

Туре		Form	
Loan	Commercial	Development ("soft")	Subordinated debt
Joint Venture	minority	majority	Golden share
Public-Private Partnership (PPP)	PFI	BOT / BOOT	DBEO



PROJECT NUMBER 1

#### **PARTNER**

**Sarajevo Canton Government** 

INVESTMENT VALUE

18,500,000 KM

**REALIZATION PERIOD** 

1 YEARS

# **Project Title**

Vertical transportation on Bjelašnica Mt., six-seater cable car, illumination of ski trails

# PROJECT DESCRIPTION

Ski center Bjelašnica has at its disposal three olympic ski trails and secondary trails in total length of around 14 km. All the trails end at Babin Do, at 1,266 m/a.s.l., while the top hill where they start is at around 2,067 m/a.s.l. Vertical transportation system with its 6 ski-lifts in total and the actual illumination of the ski trails are far from satisfying the contemporary standards of modern ski centers in Europe.

# **PROJECT STATUS**



Project is in preparatory phase

Туре		Form	
Loan	Commercial	Development ("soft")	Subordinated debt
Joint Venture	minority	majority	Golden share
Public-Private Partnership (PPP)	PFI	вот / воот	DBEO



PROJECT NUMBER 3

PARTNER

Sarajevo Canton Government

INVESTMENT VALUE

26,555,000 KM

**REALIZATION PERIOD** 

2 YEARS

# **Project Title**

Cantonal Public Company Skenderija, Reconstruction of the Halls

# PROJECT DESCRIPTION

Skenderija is a sports-cultural-business center in Sarajevo, built in 1969, with total surface of 70,000 m². Skenderija was named after Skender-Pasha who had built here a trading center with 11 shops, caravan-saray, mansion, imaret and tekke in 1499. During the XIV Winter Olympic Games, Skenderija hosted the figure-skating and ice-hockey competitions. Skenderija has the following indoor arenas; Hall "Mirza Delibašić", Halls D1, D2 and D3, the Ice-Hall and the House of Youth.

# **PROJECT STATUS**

✓

Project is in different preparatory phases

Туре		Form	
Loan	Commercial	Development ("soft")	Subordinated debt
Joint Venture	minority	majority	Golden share
Public-Private Partnership (PPP)	PFI	BOT / BOOT	DBEO



PROJECT NUMBER 4

**Project Title** 

Thermal Resort Gračanica, Canton Tuzla

# PROJECT DESCRIPTION

Thermal Resort Gračanica is situated at the very entrance to Gračanica. It is 500 m distant from the Freeway Doboj - Tuzla. Temperature of its therapeutic water ranges from 36 to  $38^{O}$ C and according to the balneological classification it belongs to the category of calcium – sodium – magnesium

- hydrocarbonated, fluoride, sulphide thermal-mineral waters. Curative effects of hydrogen-sulphide, hydrostatic pressure and thrust and presence of CO2 gas, are the most important therapeutic factors for post-injury conditions and rheumatic diseases.

INVESTMENT VALUE

8,000,000 KM

PARTNER

**Tuzla Canton Government** 

REALIZATION PERIOD

2 YEARS

# **PROJECT STATUS**

✓

Project is in preparatory phase

Туре		Form	
Loan	Commercial	Development ("soft")	Subordinated debt
Joint Venture	minority	majority	Golden share
Public-Private Partnership (PPP)	PFI	BOT / BOOT	DBEO



PROJECT NUMBER 5

# **Project Title**

Thermal Resort Aquaterm, Tuzla Canton

# PROJECT DESCRIPTION

Thermal Resort Aquaterm is situated in the very heart of the town Olovo, nearby the spot where two mountainous rivers meet, Bioštica and Stupčanica, creating the Krivaja River. Ever since 1887 there had been conducted the analyses of the water composition and temperature. Thermal spring in Olovo is rather abundant, although the water source is broken and the water is springing in several spots. According to the findings, this thermal water is beneficial for curing the rheumatism, gynecological and dermatological diseases.

#### **PROJECT STATUS**

Project is in preparatory phase

#### **FUNDING MODELS**

Туре		Form	
Loan	Commercial	Development ("soft")	Subordinated debt
Joint Venture	minority	majority	Golden share
Public-Private Partnership (PPP)	PFI	вот / воот	DBEO

# AQUATEM Cov

#### PARTNER

Government of the Federation BiH, Municipality Olovo

INVESTMENT VALUE

3,000,000 KM

**REALIZATION PERIOD** 

2 YEARS

PROJECT NUMBER 6

#### PARTNER

Government of the Federation BiH, Municipality Kladanj

INVESTMENT VALUE

25,000,000 KM

**REALIZATION PERIOD** 

4 YEARS

# **Project Title**

Spa Complex Muška Voda (Male Vigor Water Spring) Kladanj

# PROJECT DESCRIPTION

Town Kladanj is situated on the Tuzla-Sarajevo road, along the Drinjača River, at the foot of the Konjuh Mt. This is a rather tiny montainous community famous for its Water Spring. Recent scientific researches show that this water is beneficial for blood presure and concentration of sugar in blood, and that it stimulates evacuation of water from body and improves circulation.

# **PROJECT STATUS**

✓

Project is in different preparatory phases

Туре		Form	
Loan	Commercial	Development ("soft")	Subordinated debt
Joint Venture	minority	majority	Golden share
Public-Private Partnership (PPP)	PFI	вот / воот	DBEO



PROJECT NUMBER 7

PARTNER

Sarajevo Canton Government

**INVESTMENT VALUE** 

5,000,000 KM

**REALIZATION PERIOD** 

2 YEARS

# **Project Title**

Revitalization and enlargement of hotel capacities on the Igman and Bjelašnica Mountains, Hotel Igman

# PROJECT DESCRIPTION

Hotel Igman is situated on the Igman Mt. and before the last war it had 350 beds in 162 rooms and 3 suites. Adjacent to the Hotel is its annex facility that used to have 150 beds. The hotel complex includes: indoor swimming pool, discoteque, cafe, cocktail-bar with a fireplace, bowling, saunas, ski storage, gym etc. Total surface of the indoor hotel capacity is approx. 14,700  $\rm m^2$ , with a pertaining 40,000  $\rm m^2$  land plot.

#### **PROJECT STATUS**



Project is in different preparatory phases

Туре		Form	
Loan	Commercial	Development ("soft")	Subordinated debt
Joint Venture	minority	majority	Golden share
Public-Private Partnership (PPP)	PFI	BOT / BOOT	DBEO



PROJECT NUMBER 8

**PARTNER** 

Sarajevo Canton Government

Project Title

Enlargement of hotel capacities in Sarajevo, Hotel Skenderija

# PROJECT DESCRIPTION

Hotel Skenderija is situated within the Skenderija Center Complex, on the northwestern side along the street Terezija and on the western side along the street Tekija. Construction of a 5\* hotel is envisaged, with total surface of approx. 19,000 m² and 17 storeys. The envisaged capacity is 700 beds or 220 rooms, and a hotel garage with 150 parking places.

# **PROJECT STATUS**

✓

Project is in preparatory phase

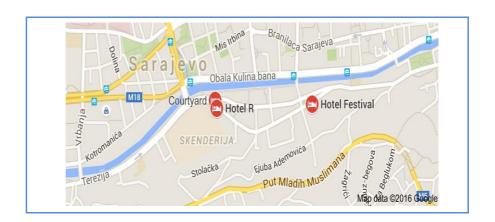
INVESTMENT VALUE

50,000,000 KM

# REALIZATION PERIOD

3 YEARS

Туре		Form	
Loan	Commercial	Development ("soft")	Subordinated debt
Joint Venture	minority	majority	Golden share
Public-Private Partnership (PPP)	PFI	вот / воот	DBEO



PROJECT NUMBER 13

PARTNER

Government of the Herzegovina-Neretva Canton

INVESTMENT VALUE

12,000,000 KM

**REALIZATION PERIOD** 

3 YEARS

# **Project Title**

Enlargement of hotel capacities in Mostar, Hotel Neretva

# PROJECT DESCRIPTION

Hotel Neretva is situated in the very heart of Mostar, on the River Neretva bank. The building was originally constructed in 1892 in a pseudo-arabesque style and now is in ruined condition. Surface of the pertaining land plot is 2,440  $\text{m}^2$ , with envisaged total reconstructed hotel surface of 5,190  $\text{m}^2$ .

# **PROJECT STATUS**



Project is in preparatory phase

Туре		Form	
Loan	Commercial	Development ("soft")	Subordinated debt
Joint Venture	minority	majority	Golden share
Public-Private Partnership (PPP)	PFI	BOT / BOOT	DBEO



PROJECT NUMBER 16

#### PARTNER

Government of the Federation BiH, Sarajevo Canton Government

INVESTMENT VALUE

60,000,000 KM

REALIZATION PERIOD

**5 YEARS** 

# **Project Title**

Reconstruction of water-supply network Sarajevo Canton

# PROJECT DESCRIPTION

The project envisages reconstruction of approx. 80 km of waterpipe system. The works on prioritized reconstruction of the existing worn out waterpipe system frequently suffering the breakdowns and also on the parts of the sewage system, upgrade of the system operational readiness (pumping and chlorine stations, electrical power installations etc.), and water-supply system management (measuring and controlling equipment) will be funded from the loan funds.

# **PROJECT STATUS**



Realization of the Project is underway

Туре		Form	
Loan	Commercial	Development ("soft")	Subordinated debt
Joint Venture	minority	majority	Golden share
Public-Private Partnership (PPP)	PFI	BOT / BOOT	DBEO



PROJECT NUMBER 18

# **Project Title**

Reconstruction of public lighting system, substitution with LED lights, Sarajevo Canton  $\,$ 

# PROJECT DESCRIPTION

The project envisages reconstruction of the entire public lighting system with 46,000 lighting spots and installing Wi-Fi connection in each of them.

#### INVESTMENT VALUE

Government of the Federation BiH, Sarajevo Canton Government

50,000,000 KM

PARTNER

# **PROJECT STATUS**

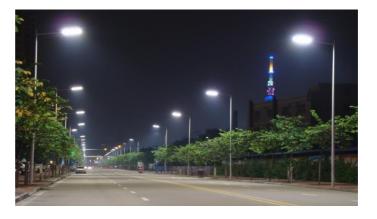
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Project was presented to the Municipalities

#### REALIZATION PERIOD

3 YEARS

Туре		Form	
Loan	Commercial	Development ("soft")	Subordinated debt
Joint Venture	minority	majority	Golden share
Public-Private Partnership (PPP)	PFI	BOT / BOOT	DBEO



PROJECT NUMBER 19

Project Title
MOSTAR GOLF COURSES

# PROJECT DESCRIPTION

On a 106 ha area, 15 km north from Mostar, 22 km from the International Airport Mostar, along the left Neretva River bank was envisaged construction of golf courses with pertaining amenities: 151 villas, 6 business facilities, 5 public facilities

# **PROJECT STATUS**

✓

Urban Regulatory Plan approved

#### **FUNDING MODELS**

Туре		Form	
Loan	Commercial	Development ("soft")	Subordinated debt
Joint Venture	minority	majority	Golden share
Public-Private Partnership (PPP)	PFI	BOT / BOOT	DBEO



PARTNER

THE CITY OF MOSTAR

INVESTMENT VALUE

50,000,000 KM Without expenses for construction of facilities

**REALIZATION PERIOD** 

**Negotiating phase** 

PROJECT NUMBER 20

**Project Title** 

MOSTAR - SJEVERNI LOGOR - NORTHERN BARRACKS RESIDENTIAL COMPLEX

# PROJECT DESCRIPTION

On the territory of the so called "Northern Barracks" situated on the north of Mostar, inside the arc created by the Neretva River, construction of a residential complex was envisaged with a detailed urban regulatory plan, as follows:

- layout surface of the facilities: 75,265 m<sup>2</sup>

343,000 m<sup>2</sup> - total surface of the facilities:

# **PROJECT STATUS**

Urban Regulatory Plan approved

#### **FUNDING MODELS**

Туре		Form	
Loan	Commercial	Development ("soft")	Subordinated debt
Joint Venture	minority	majority	Golden share
Public-Private Partnership (PPP)	PFI	BOT / BOOT	DBEO

#### PARTNER

THE CITY OF MOSTAR

#### INVESTMENT VALUE

11,000,000 KM for land plot and fees, without expenses of preparation of design and construction of facilities

#### **REALIZATION PERIOD**

**Negotiating phase** 

PROJECT NUMBER 21

Project Title

**MOSTAR - BUSINESS ZONE KAPONIRI** 

# PROJECT DESCRIPTION

On the surface of 73.26 ha, 5 km south from Mostar, in immediate vicinity of the International Airport Mostar, on a non-prospective military property, construction of a business zone is envisaged.

INVESTMENT VALUE

THE CITY OF MOSTAR

**PARTNER** 

55,000,000 KM Without expenses for construction of facilities

**PROJECT STATUS** 

**√** 

Urban Regulatory Plan approved

# REALIZATION PERIOD

**Negotiating phase** 

Туре		Form	
Loan	Commercial	Development ("soft")	Subordinated debt
Joint Venture	minority	majority	Golden share
Public-Private Partnership (PPP)	PFI	BOT / BOOT	DBEO



PROJECT NUMBER 8

**PARTNER** 

JP ELEKTROPRIVREDA BiH Stock Co. Sarajevo

INVESTMENT VALUE

109,786,181KM

REALIZATION PERIOD

4 YEARS

Project Title HPP JANJIĆI

# PROJECT DESCRIPTION

HPP Janjići is situated in the Zenica-Doboj Canton, site Janjići, on the Bosna River. The envisaged type of the plant is a run-of-river head installation with a dam toe powerhouse. The designed capacity of the plant is 15.75 MW. Total annual electricity generation is estimated to 77.26 GWh.

# **PROJECT STATUS**

- Preliminary water approval obtained
- Environment Impact Assessment completed
- Conceptual design completed
- Procedures for obtaining the environmental and urban permits are underway

Туре		Form	
Loan	Commercial	Development ("soft")	Subordinated debt
Joint Venture	minority	Majority	Golden share
Public-Private Partnership (PPP)	PFI	BOT / BOOT	DBEO



PROJECT NUMBER 10

Project Title HPP KOVANIĆI

# PROJECT DESCRIPTION

HPP Kovanići is situated on the Bosna River, downstream of the town Zenica, between the settlements Topčić Polje and Begov Han. HPP Kovanići is a run-of-river head installation with a dam toe powerhouse. Preliminary data are as follows: Installed capacity approx. 9 MW with possible annual generation of approx. 46 GWh.

# **PROJECT STATUS**

A feasibility study with geologic research works and Assessment of Impact to Environment and Community is in its final phase

#### **FUNDING MODELS**

Туре		Form	
Loan	Commercial	Development ("soft")	Subordinated debt
Joint Venture	minority	majority	Golden share
Public-Private Partnership (PPP)	PFI	вот / воот	DBEO

**PARTNER** 

JP ELEKTROPRIVREDA BiH Stock Co. Sarajevo

INVESTMENT VALUE
72,800,000 KM

REALIZATION PERIOD
3 YEARS



PROJECT NUMBER 11

**PARTNER** 

JP ELEKTROPRIVREDA BiH Stock Co. Sarajevo Project Title HPP MAGLAJ

# PROJECT DESCRIPTION

Situaed at the Bosna River midstream, near town Maglaj, with the estimated level of the reservoir deceleration of 170.5 m a.s.l  $\,$ 

The plant is envisaged to be a run-of-river head installation with a dam toe powerhouse.

INVESTMENT VALUE

43,500,000 KM

# **PROJECT STATUS**

To provide for spatial-plan prerequisites

To prepare a feasibility study at the level of a preliminary design with a preliminary environmental impact assessment.

Deadline for completion of the study is nine (9) months as from the day the contract is signed with the selected Consultant.

# REALIZATION PERIOD

4 YEARS

Туре		Form	
Loan	Commercial	Development ("soft")	Subordinated debt
Joint Venture	minority	majority	Golden share
Public-Private Partnership (PPP)	PFI	вот / воот	DBEO



PROJECT NUMBER 12

**PARTNER** 

JP ELEKTROPRIVREDA BiH Stock Co. Sarajevo Project Title HPP KOMŠIĆI

# PROJECT DESCRIPTION

Situaed in the Bosna River midstream, upstream of town Maglaj, with the estimated level of the reservoir deceleration of 182.5 m a.s.l.

The plant is envisaged to be a run-of-river head installation with a dam toe powerhouse.

INVESTMENT VALUE

41,400,000 KM

# **PROJECT STATUS**

To confirm the spatial-plan prerequisites

To prepare a feasibility study at the level of a preliminary design with a preliminary environmental impact assessment.

#### **REALIZATION PERIOD**

4 YEARS

Туре		Form	
Loan	Commercial	Development ("soft")	Subordinated debt
Joint Venture	minority	majority	Golden share
Public-Private Partnership (PPP)	PFI	BOT / BOOT	DBEO



PROJECT NUMBER 13

**Project Title** 

HPP KRUŠEVO & MHPP ZELENI VIR

#### PROJECT DESCRIPTION

HPP Kruševo (11 MW) and a mini HPP Zeleni vir (2.3 MW) are the cascading hydroelectric plants on the Bioštica River, Municipality Olovo. HPP Kruševo exploits an 81 m head height and it is a derivation-type plant, while HPP Zeleni Vir exploits a 26 m head height and it is a plant with dam toe powerhouse.

**INVESTMENT VALUE** 

84,800,000 KM

**PARTNER** 

JP ELEKTROPRIVREDA BiH Stock Co. Sarajevo

**PROJECT STATUS** 

- Study of hydropotential utilization
- Y Preliminary environmental impact assessment
- Preliminary design for HPP Kruševo
- Yeliminary design for a mini HPP Zeleni vir

REALIZATION PERIOD
3 YEARS

Туре		Form	
Loan	Commercial	Development ("soft")	Subordinated debt
Joint Venture	minority	majority	Golden share
Public-Private Partnership (PPP)	PFI	BOT / BOOT	DBEO



PROJECT NUMBER 14

**PARTNER** 

JP ELEKTROPRIVREDA BiH Stock Co. Sarajevo

**Project Title HPP USTIKOLINA** 

# PROJECT DESCRIPTION

HPP Ustikolina is situated in the Bosnia-Drina Canton, in place Ustikolina, on the Drina River. The planned plant is a run-of-river head installation with a dam toe powerhouse. The planed capacity of the plant is 60.48 MW. Total annual electricity generation is estimated to 255 GWh.

# **PROJECT STATUS**

- A preliminary water approval obtained in phase of preparation of the Preliminary design An environmental permit obtained
- Preliminary design completed, without researching geologic works

#### INVESTMENT VALUE

277,000,000 KM

# **REALIZATION PERIOD**

5 YEARS

Туре		Form	
Loan	Commercial	Development ("soft")	Subordinated debt
Joint Venture	minority	majority	Golden share
Public-Private Partnership (PPP)	PFI	вот / воот	DBEO



PROJECT NUMBER 15

**PARTNER** 

JP ELEKTROPRIVREDA BiH Stock Co. Sarajevo

**Project Title HPP VINAC** 

# PROJECT DESCRIPTION

HPP Vinac is situated in the Central-Bosnia Canton, on the territory of the Municipality Jajce, on the Vrbas River. HPP Vinac is a run-of-river head installation with a dam toe powerhouse. Preliminary data: installed capacity approx. 11.5 MW, with possible annual output of 61.3 GWh.

INVESTMENT VALUE

49,000,000 KM

**PROJECT STATUS** 

- Study of Utilization of the Vrbas River Hydropower Potential under the Water-managing basis of the Vrbas River Basin, 1989
  Study of Integral Water-Power Development of the
- Vrbas River Basin", 2013

# **FUNDING MODELS**

Туре		Form	
Loan	Commercial	Development ("soft")	Subordinated debt
Joint Venture	minority	majority	Golden share
Public-Private Partnership (PPP)	PFI	вот / воот	DBEO

REALIZTIONE PERIOD 4 YEARS



PROJECT NUMBER 16

**PARTNER** 

JP ELEKTROPRIVREDA BiH Stock Co. Sarajevo Project Title
HPP BABINO SELO

# PROJECT DESCRIPTION

HPP Babino Selo is situated in the Central-Bosnia Canton, downstream of the town Donji Vakuf on the Vrbas River. HPP Babino Selo is a run-of-river head installation, derivation-type. Preliminary data: Installed capacity approx. 6 MW with possible annual output of 24 gWh.

INVESTMENT VALUE 50,000,000.KM

# **PROJECT STATUS**

Preparation of the Feasibility study with geologic researching works and Assessment of Impact to Environment and Community is underway

# REALIZATION PERIOD

3 YEARS

Туре		Form	
Loan	Commercial	Development ("soft")	Subordinated debt
Joint Venture	minority	majority	Golden share
Public-Private Partnership (PPP)	PFI	BOT / BOOT	DBEO



PROJECT NUMBER 17

**PARTNER** 

JP ELEKTROPRIVREDA BiH Stock Co. Sarajevo Project Title HPP GLAVATIČEVO

# PROJECT DESCRIPTION

HPP Glavatičevo is situated in the Herzegovina-Neretva Canton, territory of Glavatičevo-Konjic, on the Neretva River. The HPP is envisaged to be a storage head installation with a dam toe powerhouse. The projected capacity of the plant is 28.5 MW. Total annual generation is estimated to 108 GWh.

INVESTMENT VALUE
120,000,000 KM

# **PROJECT STATUS**

- Preparation of the investment-technical documentation
- Return on Investment Study

# **FUNDING MODELS**

Туре		Form	
Loan	Commercial	Development ("soft")	Subordinated debt
Joint Venture	minority	majority	Golden share
Public-Private Partnership (PPP)	PFI	BOT / BOOT	DBEO

# REALIZATION PERIOD 4 YEARS



PROJECT NUMBER 18

**PARTNER** 

JP ELEKTROPRIVREDA BiH Stock Co. Sarajevo

**Project Title** HPP BJELIMIĆI

# PROJECT DESCRIPTION

HPP Bjelimići is situated in the Herzegovina-Neretva Canton, territory of Bjelimići-Konjic, on the Neretva River. The HPP is envisaged to be a storage head installation with a dam toe powerhouse. The projected capacity of the plant is 100 MW. Total annual generation is estimated to 219 GWh.

INVESTMENT VALUE

300,000,000 KM

# **PROJECT STATUS**

- Preparation of the investment-technical documentation Return on Investment Study

# REALIZATION PERIOD

4 YEARS

Туре		Form	
Loan	Commercial	Development ("soft")	Subordinated debt
Joint Venture	minority	majority	Golden share
Public-Private Partnership (PPP)	PFI	вот / воот	DBEO



PROJECT NUMBER 19

**PARTNER** 

**ELEKTROPRIVREDA HZHB** 

INVESTMENT VALUE
200,000,000 KM

REALIZATION PERIOD
5 YEARS

# Project Title PUMPING HEAD INSTALLATION VRILO - TOMISLAVGRAD

# PROJECT DESCRIPTION

Pumping head installation Vrilo is situated on the upper level at the Šuica River's swallow hole, while the lower level is situated at the banks of the Lake Buško in Municipality Tomislavgrad.

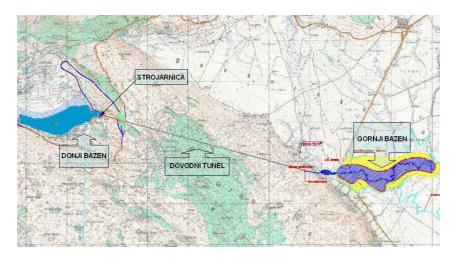
Installed capacity: 3x33 MW

Flow rate – turbine work: 2x25 m³/s
Flow rate – pumping work: 2x17.5 m³/s
Generation: 135-207 GWh high tariff
Consumption: 118-224 GWh low tariff

# **PROJECT STATUS**

- A feasibility study completed
- Geological researches conducted
- Funding ensured loan from KfW Bank

Туре	Form		
Loan	Commercial	Development ("soft")	Subordinated debt
Joint Venture	minority	majority	Golden share
Public-Private Partnership (PPP)	PFI	BOT / BOOT	DBEO



PROJECT NUMBER 30

# **Project Title** WIND POWER PLANT VLAŠIĆ

#### PROJECT DESCRIPTION

The wind park on the Vlašić Mt., Municipality Travnik. Installed capacity up to 50 MW with max. 18 wind turbines. Individual capacity of the wind turbines ranges from 2 to 3.3 MW.

# **PROJECT STATUS**

- Wind potential assessment report;
- Transmission study
- Study of bird and bat null state, with supporting research; Feasibility study;
- Conceptual design for WP Vlašić;
- Assessment of WP Vlašić impact on community and environment;
- Geological and geotechnical researches, with appropriate Study (G1 mission);
- Study of interconnection of WP Vlašić to transmission network;
- Backgrounds for tender documentation for engineering and constructing WP Vlašić.
- Concession issued

Туре		Form		
Loan	Commercial	Development ("soft")	Subo	rdinated debt
Joint Venture	minority	majority	Gold	en share
Public-Private Partnership (PPP)	PFI	вот / воот		DBEO



PROJECT NUMBER 31

**PARTNER** 

JP ELEKTROPRIVREDA BiH Stock Co. Sarajevo

INVESTMENT VALUE
150,000,000 KM

REALIZATION PERIOD
4 YEARS

Project Title
WIND POWER PLANT BITOVNJA

# PROJECT DESCRIPTION

A wind park on the Bitovnja Mt., Municipality Konjic. Installed capacity up to 60 MW. Individual capacity of wind turbines up to 3 MW each.

# **PROJECT STATUS**

- $\checkmark$ 
  - Wind potential assessment report;
- Pre-feasibility study;
- Return on investment study;
- WP Bitovnja environmental impact assessment;
- Preparation of technical report regarding interconnectibity;
- Concession award process through a self-initiated offer launched

Туре		Form	
Loan	Commercial	Development ("soft")	Subordinated debt
Joint Venture	minority	majority	Golden share
Public-Private Partnership (PPP)	PFI	вот / воот	DBEO



PROJECT NUMBER 32

**PARTNER** 

JP ELEKTROPRIVREDA BiH Stock Co. Sarajevo Project Title
WIND POWER PLANT MEDVEÐAK

# PROJECT DESCRIPTION

A windpark on the slopes of the Grmeč Mt., site Medveđak, Municipality Bihać. Installed capacity up to 40 MW.

Individual capacity of wind turbines up to approx. 3 MW each.

INVESTMENT VALUE

70,000,000 KM

**PROJECT STATUS** 

- ✓
  - Wind potential assessment report;
- Pre-feasibility study;
- Return on investment study

**REALIZATION PERIOD** 

4 YEARS

Туре		Form	
Loan	Commercial	Development ("soft")	Subordinated debt
Joint Venture	minority	majority	Golden share
Public-Private Partnership (PPP)	PFI	вот / воот	DBEO



PROJECT NUMBER 33

**PARTNER** 

**BH GAS** 

Project Title
GAS PIPELINE NOVI TRAVNIK - ZAGVOZD

# PROJECT DESCRIPTION

Interconnecting gas pipeline Posušje – Tomislavgrad – Bugojno – Novi Travnik with a branch to Mostar. The DN 400 gas pipeline is 114 km long, while the DN 500 pipeline is 48 km long. Transportation capacity is up to  $10^9 \ m^3$  of natural gas. The pipeline enables autonomous supply of FBiH with natural gas, economic development and reduced harmful gases emission.

INVESTMENT VALUE

16,000,000 KM

**PROJECT STATUS** 

✓

Feasibility study

# **FUNDING MODELS**

Туре		Form	
Loan	Commercial	Development ("soft")	Subordinated debt
Joint Venture	minority	majority	Golden share
Public-Private Partnership (PPP)	PFI	вот / воот	DBEO

# RAZVOJ SEKTORA PRITODOG GASA U BOSNI I HERCEGOVINI VELRAGUA BOS DUICO BOS GRUDNA PLANIRANI ULAZ PANIRANI ULAZ PANIRANI ULAZ PANIRANI ULAZ (ZAVRŠEN SA HEVATSKE STRANE) PANIRANI ULAZ (ZAVRŠEN SA HEVATSKE STRANE) POSTOJEĆI TRANSPORTNI PRAVAC NOVI TRANSPORTNI PRAVAC NOVI TRANSPORTNI PRAVAC NOVI TRANSPORTNI PRAVAC ANALIE PANIRANI WITAKRORKCUSSI TRANSPORTNI PRAVAC 1. Postije - Tomiskregord - Bugorio - Novi Travnik so odvojnim gasovodom za Bosnja Luku i Modrifu (EC Ring) 3. Tračka Roštela - Krupa sa odvojnim gasovodom za Veliku Klodušu I Bihed POSTOJEĆI STRANSPORTNI PRAVAC - PROŠIRENJE POSTOJEĆEG TRANSPORTNO SISTEMA POTENCIALNO SKLODŠTE PRIRODNOG GASA

#### **REALIZATION PERIOD**

3 YEARS

PROJECT NUMBER 34

**PARTNER** 

JP ELEKTROPRIVREDA BiH Stock Co. Sarajevo

INVESTMENT VALUE
20,000,000 KM

REALIZATION PERIOD
3 YEARS

# Project Title HEATING SYSTEM TPP TUZLA - ŽIVINICE

#### PROJECT DESCRIPTION

Cogeneration in the TPP Tuzla is applied to a certain extent, which enables district heating for the towns Tuzla and Lukavac. Intentions are to extend the cogeneration portfolio and introduce district heating system to the territory of town Živinice, by introduction of highly efficient technologies and increase of efficiency of utilization of the primary energy source. Tuzla - Živinice (hot water pipeline approx. 9.5 km), consumption capacity 50-70 MWt, environmental benefits (the effects were calculated for a 15-year period) – CO<sub>2</sub> reduction (-735,601 t), SO<sub>2</sub> reduction (-15,816 t), NO<sub>x</sub> reducion (-2.371 t), PM (-33.773 t).

#### **PROJECT STATUS**

- Elaborate for development of district heating project in the Municipality Živinice from TPP Tuzla, with elaboration of return on investment;
- Environmental Impact Analysis;
- Conceptual design, currently undergoing innovation;
- Preparation of project documentation;
- Necessary permits obtaining underway.

Туре		Form	
Loan	Commercial	Development ("soft")	Subordinated debt
Joint Venture	minority	majority	Golden share
Public-Private Partnership (PPP)	PFI	вот / воот	DBEO



PROJECT NUMBER 35

**PARTNER** 

JP ELEKTROPRIVREDA BiH Stock Co. Sarajevo

INVESTMENT VALUE
18,000,000 KM

REALIZATION PERIOD
3 YEARS

# Project Title DISTRICT HEATING FROM TPP TUZLA - TUZLA extension

### PROJECT DESCRIPTION

Cogeneration in the TPP Tuzla is applied to a certain extent, which enables district heating for the towns Tuzla and Lukavac. Intentions are to extend the cogeneration portfolio and introduce district heating system for other users in the territory of the town Tuzla as well. With construction of a new heating substation TS3 there will be ensured a replacing heating source and achieved an increase in the TPP Tuzla capacity.

# **PROJECT STATUS**

✓

- Conceptual design of the heating station TS3
- Tender documentation for procurement of a turbine with new TS3
- Envisaged contracting for new equipment procurement
- equipment procurement
  Obtaining the necessary permits underway

Туре		Form	
Loan	Commercial	Development ("soft")	Subordinated debt
Joint Venture	minority	majority	Golden share
Public-Private Partnership (PPP)	PFI	вот / воот	DBEO



PROJECT NUMBER 36

**PARTNER** 

JP ELEKTROPRIVREDA BiH Stock Co. Sarajevo

INVESTMENT VALUE
100,000,000 KM

REALIZATION PERIOD
5 YEARS

# Project Title HOT WATER PIPELINE TPP KAKANJ - ZENICA

### PROJECT DESCRIPTION

Cogeneration in the TPP Kakanj is applied to a certain extent, which enables district heating for the town Kakanj. Intentions are to extend the cogeneration portfolio and introduce district heating system to the territory of Zenica and in the town Zenica, by introduction of highly efficient technologies and increase of efficiency of utilization of the primary energy source. Kakanj – Zenica (hot water pipeline approx. 30 km), capacity around 170 MWt, environmental benefits (the effects were calculated for a 20-year period) –  $\rm CO_2$  reduction (-286.005 t),  $\rm SO_2$  reduction (-25.871 t),  $\rm NO_x$  reduction (-2.287 t),  $\rm PM$  (< IED requirements).

#### **PROJECT STATUS**

✓

Feasibility study;

- Environmental Impact Analysis;
- Conceptual solution;

In the upcoming period the following activities are envisaged:

- Preparation of Conceptual design;
- Preparation of Study on impact to community and environment;
- Providing the funding facility;
- Preparation of project documentation;
- Obtaining the necessary permits

Туре	Form		
Loan	Commercial	Development ("soft")	Subordinated debt
Joint Venture	minority	majority	Golden share
Public-Private Partnership (PPP)	PFI	BOT / BOOT	DBEO



PROJECT NUMBER 37

**PARTNER** 

JP ELEKTROPRIVREDA BiH Stock Co. Sarajevo

INVESTMENT VALUE

200,000,000 KM

REALIZATION PERIOD

**5 YEARS** 

# **Project Title**

#### HOT WATER PIPELINE TPP KAKANJ - SARAJEVO

## PROJECT DESCRIPTION

Cogeneration in the TPP Kakanj is applied to a certain extent, which enables district heating for the town Kakanj. Intentions are to extend the cogeneration portfolio and introduce district heating system to the territory of Sarajevo and in Sarajevo, by introduction of highly efficient technologies and increase of efficiency of utilization of the primary energy source. Kakanj

- Visoko - Breza - Sarajevo (hot water pipeline approx. 46 km long, in total 71km long with branches), consumption capacity approx. 300 MWt, environmental benefits (effects calculated for a 25-year period) - CO2 reduction (-6.328.321t), SO2 reduction (-105.813 t), NOx reduction (-10.807 t), PM (< IED requirements).

#### **PROJECT STATUS**

- ✓ Feasibility study;
- Environmental Impact Analysis;
- Conceptual solution;

In the upcoming period the following activities are envisaged:

- Preparation of Conceptual design;
- Preparation of Study on impact to community and environment;
- Providing the funding facility;
- Preparation of project documentation;
- Obtaining the necessary permits

## **FUNDING MODELS**

Туре		Form	
Loan	Commercial	Development ("soft")	Subordinated debt
Joint Venture	minority	majority	Golden share
Public-Private Partnership (PPP)	PFI	вот / воот	DBEO



Source: Google Earth

PROJECT NUMBER 38

**PARTNER** 

JP ELEKTROPRIVREDA BiH Stock Co. Sarajevo

INVESTMENT VALUE
150,000,000 KM

REALIZATION PERIOD
5 YEARS

Project Title HOT WATER PIPELINE TPP KAKANJ - LAŠVA VALLEY

#### PROJECT DESCRIPTION

Cogeneration in the TPP Kakanj is applied to a certain extent, which enables district heating for the town Kakanj. Intentions are to extend the cogeneration portfolio and introduce district heating system to the territory of Lašvanska Valley, by introduction of highly efficient technologies and increase of efficiency of utilization of the primary energy source. Kakanj - Zenica (hot water pipeline approx. 30 km), capacity around 170 MWt, environmental benefits (effects calculated for a 20-year period) CO<sub>2</sub> reduction (-286.005 t), SO<sub>2</sub> reduction (-25.871t), NO<sub>x</sub> reduction (-2.287t), PM (< IED requirements).

### **PROJECT STATUS**

To be prepared:

Conceptual solution;

Study of technical-economic rationale.

Туре		Form		
Loan	Commercial	Development ("soft")	Subo	rdinated debt
Joint Venture	minority	majority	Gold	en share
Public-Private Partnership (PPP)	PFI	вот / воот	]	DBEO



**Project Title** 

**HPP UNAC** 

PROJECT NUMBER 39

**PARTNER** 

JP ELEKTROPRIVREDA BiH Stock Co. Sarajevo

# PROJECT DESCRIPTION

HPP Unac on the Unac River in the Una-Sana Canton is envisaged to be developed 1.9 km upstream from the confluence of the Unac and Una rivers.

The power plant is planned to have a dam toe powerhouse, with arch dam approx. 140 m high. A 20 km long storage reservoir would be created.

# **PROJECT STATUS**

- ✓ Spatial-plannng conditions to be provided
- Study on viability of construction of a HPP Rmanj Manastir (i.e. HPP Unac) dated 1986

#### **FUNDING MODELS**

Туре		Form	
Loan	Commercial	Development ("soft")	Subordinated debt
Joint Venture	minority	majority	Golden share
Public-Private Partnership (PPP)	PFI	вот / воот	DBEO

INVESTMENT VALUE

200,000,000 KM

REALIZATION PERIOD

4 YEARS



**PARTNER** 

JP ELEKTROPRIVREDA BiH Stock Co. Sarajevo **ENERGY SECTOR** 

PROJECT NUMBER 40

**Project Title** 

**HPP KOSTELA - reconstruction and expansion** 

# PROJECT DESCRIPTION

HPP Una Kostela on the Una River is situated 9 km downstream of Bihać. It had been in operation since 1954 as a run-of-river head installation, derivation-type, lacking the possibility to control the flow regime. Reconstruction and expansion are interventions aimed at optimal utilization of the Una River streams for purpose of increasing the total degree of utilization and generation.

# **PROJECT STATUS**

- Preparation and revision of conceptual design for reconstruction and expansion;
- Preparation of Study on impact to community and environment

#### **FUNDING MODELS**

Туре		Form	
Loan	Commercial	Development ("soft")	Subordinated debt
Joint Venture	minority	majority	Golden share
Public-Private Partnership (PPP)	PFI	вот / воот	DBEO



INVSTMENT VALUE

28,000,000.00 KM

REALIZATION PERIOD
3 YEARS

#### TRANSPORTATION SECTOR

PROJECT NUMBER 28

#### **Project Title**

Airport Tuzla, Establishment of a regional cargo center with an airpark

# PROJECT DESCRIPTION

PC International Airport Tuzla – Dubrave was established in 1998. PC International Airport Tuzla has obtained a Certificate for Public Use of the Airport in International Air Transportation in 2009 with unlimited validity. The Project envisages establishment of a regional cargo center with an airpark

# **PROJECT STATUS**

✓

Project presented to various institutions for funding

# **FUNDING MODELS**

Туре		Form	
Loan	Commercial	Development ("soft")	Subordinated debt
Joint Venture	minority	majority	Golden share
Public-Private Partnership (PPP)	PFI	BOT / BOOT	DBEO

# PARTNER

MEĐUNARODNI AERODROM/INTERNATIONAL AIRPORT TUZLA

INVESTMENT VALUE
68,800,000 KM

REALIZATION PERIOD 36 MONTHS

#### TRANSPORTATION SECTOR

PROJECT NUMBER 33

Project Title

Railway Vareš - Banovići

# PROJECT DESCRIPTION

Construction of a railroad section Vareš - Banovići is envisaged that would shorten by at least 130 km the current route Port Ploće - Port Brčko, i.e. Sarajevo - Tuzla route.

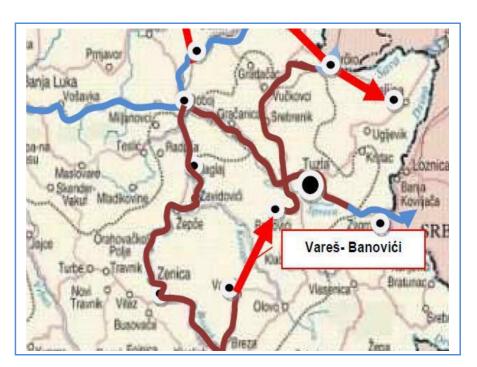
# **PROJECT STATUS**

✓ Pre-feasibility study

Preliminary return-on-investment study

#### **FUNDING MODELS**

Туре		Form	
Loan	Commercial	Development ("soft")	Subordinated debt
Joint Venture	minority	majority	Golden share
Public-Private Partnership (PPP)	PFI	BOT / BOOT	DBEO



**PARTNER** 

CESTE FBIH, ŽELJEZNICE FBIH

INVESTMENT VALUE
470,000,000 KM

REALIZATION PERIOD

60 MONTHS