

# Modernization of production capacities of OJSC “Gomel Foundry “Centrolit” corresponding to the plan of modernization for 2011-2015

## A. Project opportunity description

### A1. Project name:

Modernization of production capacities of OJSC “Gomel Foundry “Centrolit” corresponding to the plan of modernization for 2011-2015

#### A1a. Short name:

1. Modernization of melting furnace of cupola type Q=5 tons/ h
2. Change of outdated technologies, efficiency increase, quality by means of mixer installation of intensive hashing with two whirling heads Q=60tons/h
3. Installation of experimental shortblast cells of load capacity up to 500kg in the small founding shop
4. Change of the boilers DKVR10/13 on two water-heating pyrolized boilers according to the tender of mark KV-P-0,3-95
5. Purchase and installation of two steam generator in the shop №18
6. Installation of thermal furnace SDO
7. Equipment purchase for cleaning of foundry (with spill canals)
8. Introduction of screw compressor system of efficiency 26 m<sup>3</sup>/min
9. Implementation of automatic check system of physical-mechanical properties of mixture on the mixer of intensive hashing of small founding shop
10. Equipment for conduction of outside furnace processing of cast iron melt
11. Installation of core marker produced BELNIILIT on 30-50 l on Gold-box-amin process
12. Change of outdated column base CNC of miller GF 2171 –C5 on new control system of computer

### A2. Project status:

Price offers are considered.

### A3. Organization involved and their roles:

SAR “ORDOL-GLASS”, “Zorka-Gandlu” Ltd., OJSC “Universal Equipment” OJSC “BELNIILIT”

### A4. Project description:

#### A4a. Project cost:

1,2321 million \$.

### A5. Background /history/overall programe/related or similar projects:

### A6. Environmental impact summary:

According MPC emissions.

### A7. Possible obstacles/problems/risk degree:

They are missed.

**A8. Time period for project implementation and pay-back period (years):**

2011-2015/recoupment up to 7,1 years

**A9. Project branch:**

Metallurgical production and production of metal complete product.

**B. Capital cost Items**

<b>B1. Project physical component:</b>	<b>B2. Capital cost USD million</b>

<b>B3. Sub-project by location</b>	<b>B4. Capital cost USD million</b>
	1,2321

**C. Capital Resources Available (owner, associates, sponsors etc.)**

<b>C1. Resources, grants, investments, equipments, equity/ownership etc.</b>	<b>C2. Sum, USD million</b>
Own funds	0,7348

**D. Required Investment, Deficient Funds**

**D1 Necessary Financing, Required Type of Financial Participation:**

<b>D2 Source of finance</b>	<b>D3. Type of Investment</b>	<b>D4. Amount USD million</b>
Innovative Fund	No	0,4973

**E. Demand (Users) and Revenues**

<b>E1. Type of Users, Volumes, Pricing, Revenues, Estimated Profit/Savings</b>
Own needs

<b>E2. Financing Sources</b>	<b>E3. Revenues (Sales)</b>
Own funds	0,7348

**F. Transaction and Operating Costs**

<b>F1. Costs Components, Capital Allowance Policy, Industrial Engineering etc.</b>	
<b>F2. Cost item:</b>	<b>F3. Amount</b>

**G. Net Income Value**

<b>G1. Net Income Value:</b>	<b>G2. Amount</b>

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## H. Project Information Source:

<b>H1. This form was completed by (name, appointment):</b> Dushko Sergey Olegovich, Deputy Chief Engineer – Chief Metallurgist
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<b>H4. Date:</b>
<b>H5. Supreme organization:</b> Ministry of Industry of the Republic of Belarus