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Uzkimyosanoat



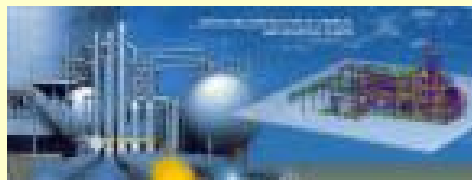
PERSPECTIVES OF INVESTMENT COOPERATION IN CHEMICAL INDUSTRY

«UZKIMYOSANOAT» STATE JOINT-STOCK COMPANY



Having a deep manufacturing experience, wide range of raw materials and nature resources and scientific potential, chemical complex represents itself as one of the basic economy branches of the Republic of Uzbekistan. The complex consists of the enterprises manufacturing such products as mineral fertilizers, pesticides, caustic soda, chlorine, chemical fibers, cellulose, polymeric products, chemicals for gold mining industry and others.

At present time, there are 29 enterprises in the structure of Uzkimyosanoat SJSC, of which 4 state, 22 joint stock companies, 2 joint ventures, 1 limited liability company.



INVESTMENT OPPORTUNITIES IN THE CHEMICAL INDUSTRY

- Growing demand for the chemical products in Central Asia, Middle East, Central and Eastern Europe
- Uzbekistan has necessary raw materials, feedstock and energy resources domestically
- Chemical enterprises has advanced transportation system and highly qualified personnel

ENTERPRISES OFFERED TO FOREIGN INVESTORS

Enterprise	Location	Main products	Offered Assets
Ferganaazot JSC	Fergana region, Fergana city	Ammonia, ammonium nitrate, urea, defoliants, sodium chloride, cellulose diacetate	51%
Samarkandkimyo JSC	Samarkand region Samarkand city	Nitro-calcium phosphate fertilizer	100%
Djizzak plastmassa JSC	Djizzak region Djizzak city	Polymeric pipes and films	57.67%
Fergana furan compounds plant	Fergana region Fergana city	Cotton cellulose, drilling reagents	100%
Fergana chemical fiber plant	Fergana region Fergana city	P-6 chips, tire cord, acetic fiber	100%
Kungrad soda ash plant	Karakalpakstan Kungrad town	Soda ash, technical salt	74%

«FERGANAAZOT» JSC

- **Location:** Fergana region, Fergana city.
- **Number of personnel:** 5700
- **Production value (2007):** 123.8 mln. USD.
- **Export value (2007):** 45.3 mln. USD.
- **Main products:** Ammonia, ammonium nitrate, urea, sodium chloride, chlorine-magnesium defoliant, cellulose diacetate.
- **Main markets:** Central Asian states, Central and Eastern Europe, Iran, Pakistan, Turkey, Ukraine, Russia, China.

Offer:

51% shares of the enterprise are to be sold to foreign investors.

«FERGANA CHEMICAL FIBER PLANT»

- **Location:** Fergana region, Fergana city.
- **Number of personnel:** 1200
- **Production value (2008):** 1.8 mln. USD.
- **Export value (2008):** 0.9 mln. USD.
- **Main products:** Acetic fiber, Polyamide-6 chips, tire cord.
- **Main markets:** Central Asian states, potential - Russia, Ukraine, Central and Eastern Europe.

Offer:

100% assets of the enterprise are to be sold to foreign investors.

«FERGANA CHEMICAL PLANT OF FURAN COMPOUNDS»

- **Location:** Fergana region, Fergana city.
- **Number of personnel:** 920
- **Production value (2008):** 6.9 mln. USD.
- **Export value (2008):** 5.7 mln. USD.
- **Main products:** Cotton cellulose, furfural, furfural alcohol, ethyl alcohol, FHL-1 boring reagent, Carboxy - methyl cellulose.
- **Main markets:** Russia, Ukraine, Iran, China, Israel.

Offer:

100% assets of the enterprise are to be sold to foreign investors.

«SAMARKANDKIMYO» JSC

- **Location:** Samarkand region, Samarkand city.
- **Number of personnel:** 800
- **Production value (2008):** 4.3 mln. USD.
- **Export value (2008):** 2.2 mln. USD.
- **Main products:** Nitro-calcium-phosphorous fertilizer («Nitrofos»).
- **Main markets:** Central Asian states, Afghanistan, Ukraine.

Offer:

100% shares of the enterprise are to be sold to foreign investors.

«JIZZAKH PLASTMASSA» JSC

- **Location:** Jizzakh region, Jizzakh city.
- **Number of personnel:** 450
- **Production value (2008):** 4.4 mln. USD.
- **Export value (2008):** 168.1 thousand USD.
- **Main products:** Polyethylene film, polyethylene pipes, polymeric goods of common use.
- **Main markets:** Central Asian states, Russia.

Offer:

57.67% shares of the enterprise are to be sold to foreign investors.

«KUNGRAD SODA ASH PLANT»

- **Location:** Republic of Karakalpakstan, Kungrad city.
- **Number of personnel:** 1300
- **Production value (2008):** 18.1 mln. USD.
- **Export value (2008):** 1.37 mln. USD.
- **Main products:** Soda ash, technical salt.
- **Potential markets:** Central Asian states, Russia, Ukraine.

Offer:

74% assets of the enterprise are to be sold to foreign investors.

Proposed Investment Projects

Detergents Production Project

Production capacity 20 thousand tons per year

Proposed type of cooperation – Joint Venture

Availability of raw materials

#	Description	%, amount	Availability
1	Alkylbenzosulfate acid	8-15	Imported
2	Liquid soap	5-10	Produced in Uzbekistan
3	Caustic soda	20 kilo/ton	Produced in Uzbekistan
4	Liquid glass		Produced in Uzbekistan
5	Carboxymethylhydroxyethyl cellulose	0,5-1	Produced in Uzbekistan
6	Optical bleaching agent	0,06-0,1	Imported
7	Odorant		Imported
8	Sodium tripolyphosphate	5-15	Imported in the first phase with following production in Uzbekistan
9	Sodium sulfate	50-60	Production is under construction in Uzbekistan

Production based on cotton cellulose of Ferghana Chemical Plant of Furan Compounds

Technical characteristics of cotton cellulose

№	Name of parameter	Specifications
1	Mass share of alpha-cellulose	98,9 – 99,9 %
2	Wettability	90 – 120
3	Whiteness	85 – 90 %
4	Dynamic viscosity	25 – 250 cPa
5	Mass fraction of ashes, %	0,03-0.3
6	Mass fraction of substances insoluble in sulfuric acid, %, no more than	0,04 – 0,1 %
7	Mass fraction of fibrous dust	2,0 %
8	Mass fraction of water	5,5 – 10 %
9	Mass fraction of Fe, pmm, no more than	25 %

Production based on cotton cellulose of Ferghana Chemical Plant of Furan Compounds

- Reconstruction and modernization of existing production of Diacetate cellulose (DAC). Capacity – 6 thousands ton/year.
- Organization of production from DAC:
 - Acetate fibers by reconstruction and modernization of existing production. Capacity – 9 thousands ton/year;
 - Packing films. Capacity – 1 thousand ton/year;
 - “Estrol” – polymer for production of eye frames and other products. Capacity – 0,5 thousand ton/year;
 - Other tradable DAC. Capacity – 1,5 thousands ton/year.
- Organization of production medical products from cotton cellulose:
 - High hydrophilic cellulose absorbents;
 - Napkins and tissues;
 - Hydrogels;
 - Wound textile;
 - Hemostatic cellulose powders;
 - Absorbable sutures.

THANK YOU FOR YOUR ATTENTION

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