

RESOLUTION
PRESIDENT OF THE REPUBLIC OF UZBEKISTAN
**ON MEASURES TO ACCELERATE THE DEVELOPMENT OF THE
CHEMICAL INDUSTRY OF THE REPUBLIC OF UZBEKISTAN**

The measures taken to introduce market mechanisms for the sale of mineral fertilizers and restructure the debt of chemical industry enterprises contributed to their financial recovery and increased capacity utilization.

At the same time, systemic problems remain that limit the further development and diversification of the chemical industry, attracting investment in the modernization of existing and construction of new chemical production facilities, and expanding export supplies.

In particular, low investment attractiveness and the insufficient funds of enterprises for the development of the industry do not allow the introduction of advanced technologies for the deep processing of raw materials, as a result of which mineral fertilizers occupy the predominant share of the output.

There is a lack of a fundamental scientific base and modern design and engineering developments in the field of chemical production that take into account the global trend in the development of the chemical industry and the significant raw materials potential of the republic.

To further diversify the chemical industry, attract direct investment in the creation of new production facilities and the expansion of the range of products in demand on the domestic and foreign markets, create a modern scientific and design base with the involvement of leading international institutes, and improve the financial stability of the enterprises of JSC Uzkimyosanoat:

1. To determine the main directions for further development and diversification of the chemical industry of the republic:

expansion of the range of manufactured chemical products with high added value, in demand in economic sectors and on the foreign market, based on the deep processing of hydrocarbon raw materials and mineral resources;

creation of new and modernization of existing production capacities aimed at meeting the republic's needs for mineral fertilizers and strengthening export potential;

reducing state participation in the authorized capital of chemical industry enterprises, attracting direct investment into the industry, and deepening the processing of basic products through

the development of cooperative ties between industry enterprises and business entities;

active development of science and industry-specific scientific research, as well as the integration of advanced scientific developments into production, aimed primarily at the deep processing of hydrocarbon raw materials and mineral resources;

improving the quality of design and engineering work and diagnostic research, organizing an effective system for training and retraining personnel in all areas of chemistry and chemical technology.

See previous edition.

2. To approve the “Roadmap” for the implementation of the main directions of expansion and modernization of production capacities, deepening the processing of basic products, rational use of assets and the introduction of modern management methods in the activities of JSC Uzkimyosanoat in the period 2019–2030 (hereinafter referred to as the “Roadmap”) in accordance with [Appendix No. 1](#).

(clause 2 as amended by the Resolution of the President of the Republic of Uzbekistan dated April 3, 2019 No. PP-4256 - National Database of Legislation, 04.04.2019, No. 07/19/4265/2883)

3. JSC Uzkimyosanoat, with the aim of accelerating the implementation of investment projects on:

modernization, expansion and diversification of production at JSC Ferganaazot and JSC Kukon Superphosphate Plant by December 30, 2018, ensure the completion of an independent assessment of the assets of these companies for the purpose of sale to foreign investors;

for the construction of an ammonia and urea plant in the city of Yangiyer in the Syrdarya region, ensure the conclusion of a contract within three months for the development of preliminary design documentation for an investment project with a foreign company with experience in the chemical industry, on an exceptional basis, based on direct negotiations, followed by a comprehensive examination of the contract at the State Unitary Enterprise "Center for Comprehensive Expertise of Projects and Import Contracts under the National Agency for Project Management under the President of the Republic of Uzbekistan";

The State Committee for Geology and Mineral Resources and the State Investment Committee of the Republic of Uzbekistan shall, by August 1, 2019, ensure the development of a concept for the implementation of an investment project based on an assessment

(examination) of phosphorus raw material deposits by an international organization for the construction of a complex for the production of phosphorus fertilizers in the Navoi region.

4. The State Investment Committee, together with the Ministry of Economy, the Fund for Reconstruction and Development of the Republic of Uzbekistan (hereinafter referred to as the Fund) and JSC Uzkimyosanoat, shall determine, based on the results of the development of project documentation, specific sources of financing for promising investment projects specified in the Roadmap.

It should be established that the implementation of new investment projects for the modernization, expansion and creation of new processing facilities in the chemical industry is carried out primarily through the attraction of direct investment.

5. Take note that, with the involvement of international consulting companies, work is underway to increase the investment attractiveness of enterprises in the industry and energy efficiency in the production of mineral fertilizers.

The Cabinet of Ministers of the Republic of Uzbekistan is required by April 15, 2019, to submit proposals for reforming the chemical industry system and increasing its investment attractiveness, taking into account the recommendations of international consulting companies.

6. Assign personal responsibility to:

Prime Minister of the Republic of Uzbekistan A.N. Aripov - for exercising strict control over ensuring the timely and full implementation of the measures provided for in the Roadmap;

Deputy Prime Minister of the Republic of Uzbekistan A.S. Sultanov - for coordinating the activities of ministries and departments on the timely implementation and commissioning of chemical industry facilities, as well as the implementation of measures provided for in the Roadmap;

Deputy Prime Minister of the Republic of Uzbekistan - Chairman of the State Investment Committee of the Republic of Uzbekistan S.R. Kholmuradov - for attracting funds from international financial institutions and organizations, as well as searching for potential investors and attracting foreign direct investment in the chemical industry;

Chairman of the Board of JSC Uzkimyosanoat A.A. Abdullaev - for the timely implementation of attracted funds, as well as ensuring the completion of construction of investment projects

and their reaching their design capacity strictly within the established deadlines.

7. Agree with the proposals of the Ministry of Economy, the Ministry of Finance, the State Committee for Assistance to Privatized Enterprises and Development of Competition, the State Investment Committee of the Republic of Uzbekistan, and JSC Uzkimyosanoat on:

See previous edition.

(the second paragraph of clause 7 was excluded by the Decree of the President of the Republic of Uzbekistan dated April 3, 2019 No. PP-4256- National Database of Legislation, 04.04.2019, No. 07/19/4265/2883)

transfer of the state share in the authorized capital of JSC Uzkimyosanoatloyikha at par value and the property complex of the Kyzylkum Phosphorite Plant to the state enterprise Navoi MMC at residual book value as a state contribution to the authorized capital of JSC Uzkimyosanoatloyikha;

sale at a zero redemption price of unused facilities (including workshops, facilities and adjacent territories) of Ferganaazot JSC with a total area of 6.5 hectares at industrial site No. 3, subject to the acceptance of investment obligations;

concluding an investment agreement with the joint venture LLC "ECO TECH GROUP", which has a patented technology, on the gratuitous transfer of caprolactam production waste for disposal and recycling, subject to the acceptance of investment and social obligations;

the implementation, from 2020, by joint-stock companies that are part of the structure of JSC Uzkimyosanoat, of the procedure for publishing annual financial statements and conducting their external audit in accordance with International Auditing Standards and International Financial Reporting Standards;

Implementation by 2021, based on international experience, of information systems for managing investment and production processes, material and financial resources, and modern methods of motivating employees using performance indicators.

8. Allow the Fund and refinancing commercial banks to provide loans to JSC Uzkimyosanoat and the economic entities within its structure for the development of design documentation and the performance of survey work for the purpose of preparing new investment projects in the chemical industry.

Establish that:

The Fund's loans for the preparation of new investment projects are provided in the amount specified in the agreement, but not more than the equivalent of 5 million US dollars;

the size of the Fund's loan for the preparation of new investment projects may be increased to the equivalent of 10 million US dollars for projects whose preparation is financed jointly with foreign investors;

the basis for the allocation of funds from the Fund is the technical specifications agreed upon with the industry scientific and technical council, a concluded contract for the development of pre-project documentation and the execution of survey work that has passed the examination at the State Unitary Enterprise "Center for Comprehensive Expertise of Projects and Import Contracts under the National Agency for Project Management under the President of the Republic of Uzbekistan";

loans from the Fund in accordance with this paragraph are provided in agreement with the State Investment Committee of the Republic of Uzbekistan;

The Fund's loans are refinanced through servicing banks and are allocated for a period of 5 years, including a grace period of 3 years, with an interest rate of 2.25 percent per annum, including a refinancing bank margin of 0.25 percent per annum during the period prior to the project's commissioning;

Loans and the costs of servicing them are included in the cost of projects upon approval of the feasibility study and are repaid using income from the implementation of projects received after the commissioning of the facilities and the Fund's funds in the established manner, from the sale of design documentation to investors and income from the general business activities of the borrower or funds of JSC Uzkimyosanoat.

9. Agree with the proposal of JSC Uzkimyosanoat, the State Investment Committee and the Ministry of Economy of the Republic of Uzbekistan to establish, in cooperation with the Korea Research Institute of Chemical Technology (KRICT), a research and design institute - the Center for Chemical Technology (hereinafter referred to as the Center) on the basis of Tashkent Research Institute of Chemical Technology LLC and JSC Uzkimyosanoatloyiha.

The State Investment Committee, JSC Uzkimyosanoat and the Ministry of Foreign Affairs of the Republic of Uzbekistan shall ensure the attraction of a loan from Eximbank through the EDCF

(Republic of Korea) in the amount of 50 million US dollars and grant funds to organize the activities of the Center.

JSC Uzkimyosanoat, together with the State Investment Committee and the Ministry of Finance, shall submit proposals to the Cabinet of Ministers of the Republic of Uzbekistan within two months on organizing the activities of the Center and identifying sources of funding for its activities.

10. The Ministry of Finance of the Republic of Uzbekistan shall ensure the capitalization of dividends (except for dividends in the amount of 30 percent, subject to transfer to the State Budget of the Republic of Uzbekistan) on the state share in the authorized capital of JSC Uzkimyosanoat and the economic entities included in it, accrued based on the results of 2019-2021, with the condition that they are used to finance investment projects, including the repayment of loans and borrowings attracted for the implementation of investment projects.

11. Agree with the proposals of the Ministry of Economy, the Ministry of Finance, the Central Bank, the Fund, commercial banks and JSC Uzkimyosanoat on the restructuring of the obligations of JSC Uzkimyosanoat and the enterprises included in its structure on loans from the Fund and the National Bank for Foreign Economic Activity of the Republic of Uzbekistan in accordance with [Appendix No. 2](#).

The Ministry of Finance of the Republic of Uzbekistan shall amend the previously issued state guarantees for the obligations of the enterprises of JSC Uzkimyosanoat, in accordance with this resolution.

12. To make changes and additions to some decisions of the President of the Republic of Uzbekistan and the Government of the Republic of Uzbekistan in accordance with [Appendix No. 3](#).

13. JSC Uzkimyosanoat, together with interested ministries and departments, shall, within one month, submit to the Cabinet of Ministers of the Republic of Uzbekistan proposals on amendments and additions to legislation arising from this resolution.

14. Control over the implementation of this resolution shall be assigned to the Prime Minister of the Republic of Uzbekistan A.N. Aripov, the Head of the Administration of the President of the Republic of Uzbekistan Z.Sh. Nizomiddinov and the Deputy Prime Minister of the Republic of Uzbekistan A.S. Sultanov.

President of the Republic of Uzbekistan Sh. Mirziyoyev

Tashkent city,
October 25, 2018

No. PP-3983

See previous edition.

APPENDIX No. 1

to the Resolution of the President of the Republic of Uzbekistan dated
October 25, 2018 No. PP-3983

"ROAD MAP"

**on the implementation of the main directions of expansion and
modernization of production capacities, deepening the
processing of basic products, rational use of assets and the
introduction of modern management methods in the activities
of JSC Uzkimyosanoat in the period 2019-2030**

No.	Events	Project cost and funding sources	Form and mechanism of implementation	Completion date	Responsible persons
I. Investment projects to expand mineral fertilizer production capacity					
1.	Production of ammonia, urea, ammonium sulfate and melamine based on JSC Samarkand kimyo	450 million US dollars	1. Conducting marketing research on the project. 2. Selection and evaluation of licensors. 3. Conducting a technical audit of JSC Samarkandki myo. 4. Selecting the optimal project	April 2019 April - June 2019 July 2019 July 2019 August 2019 – May 2020 December 2019	JSC Uzkimyosanoat (<i>Temirov</i>)

			configuration .	- March 2020	
			5. Development of the Basic Design (FEED) and feasibility study of the project.	December 2019 — March 2020 August 2019 - August 2020	
			6. Preparation and signing of the EPC contract (survey work and construction)	March 2020 — February 2023	
			7. Carrying out early construction work.		
			8. Searching for and attracting funding for the project.		
			9. Carrying out major construction works.		
2.	Organization of nitric acid production	\$216.6 million	1. Purchase and delivery of	September 2019	JSC "Uzkimyosanoat" (<i>Temirov</i>), JSC Navoiazot (<i>Sharipov</i>)

	at JSC Navoiazot		technological equipment.	October 2019	
			2. Carrying out construction and installation works.	December 2019	
			3. Preparatory and commissioning works.	March 2020	
			4. Registration of the act of the working commission for acceptance of the facility into operation in accordance with the established procedure.		
3.	Organization of ammonia and urea production at JSC Navoiazot	\$985.7 million	1. Purchase and delivery of technological equipment.	August 2019	JSC "Uzkimyosanoat" (<i>Temirov</i>), JSC Navoiazot (<i>Sharipov</i>)
				May 2020	
			2. Carrying out construction and installation works.	September 2020	
				December 2020	

			<p>3. Carrying out commissioning works and ensuring the start of production.</p> <p>4. Registration of the act of the working commission for acceptance of the facility into operation in accordance with the established procedure.</p>		
4.	Modernization of phosphorus fertilizer production at JSC Ammofos-Maxam — Stage I	\$9.7 million	<p>1. Purchase and delivery of technological equipment.</p> <p>2. Carrying out construction and installation works.</p> <p>3. Carrying out commissioning works and ensuring the start of production.</p>	<p>July 2019</p> <p>August 2019</p> <p>September 2019</p>	JSC "Uzkimyosanoat" (<i>Temirov</i>), JSC "Ammofos-Maxam" (<i>Ibragimov</i>)

5.	Organization of production of potassium sulfate and other types of potassium salts at Dekhkanabad Potash Plant LLC	\$61 million	1. Development of the project concept. 2. Search for foreign investors, technology licensors and decision-making on further project implementation.	October 2019 January 2020	JSC "Uzkimyosanoat" (<i>Temirov</i>), Dekhkanabad Potash Plant LLC (<i>Shermatov</i>), MIVT (Umurzakov)
6.	Organization of production of granulated potassium chloride at Dekhkanabad Potash Plant LLC	15 million US dollars	1. Development of the project concept. 2. Search for foreign investors, technology licensors and decision-making on further project implementation.	October 2019 January 2020	JSC "Uzkimyosanoat" (<i>Temirov</i>), Dekhkanabad Potash Plant LLC (<i>Shermatov</i>), MIVT (<i>Umurzakov</i>)
7.	Implementation of a project for the production of ammonia and urea in the city of Yangiyer, Syrdarya region	600 million US dollars <i>(sources are being determined)</i>	1. Development of preliminary design documentation. 2. Development, examination and approval of the feasibility study of the	July 2019 November 2019 December 2019 December 2022	JSC "Uzkimyosanoat" (<i>Temirov</i>), MIVT (<i>Umurzakov</i>) , Ministry of Economy and Industry (<i>Khodjaev</i>), Asakabank (<i>Saidullaev</i>), RPI "Uzengineering" (<i>Urazaev</i>)

			<p>project with the identification of funding sources and the conclusion of a contract with the general contractor, followed by an examination in accordance with the established procedure.</p> <p>3. Opening of financing.</p> <p>4. Completion of construction works and commissioning.</p>		
8.	Production of phosphate fertilizers, sulfuric acid, and processing of phosphate ore in the Navoi region	\$950 million	<p>1. Conducting additional geological studies and identifying technology licensors with the development of a project concept based on an assessment (examination) of phosphorus raw material deposits by an</p>	<p>October 2019</p> <p>April 2020</p> <p>July 2020</p> <p>October 2020</p>	<p>JSC "Uzkimyosanoat" (<i>Temirov</i>), State Committee for Geology (<i>Islamov</i>), Ministry of Economy and Industry (<i>Khodjaev</i>), MIVT (<i>Umurzakov</i>), khokimiyat of Navoi region (<i>Tursunov</i>), RPI "Uzengineering" (<i>Urzaev</i>)</p>

		international organization.	January 2021	
		2. Development of preliminary design documentation for mining and processing complexes, production of phosphorus fertilizers.	February 2021	
		3. Search for potential foreign investors and creditors, with the achievement of appropriate agreements on the processing complex and production of phosphate fertilizers.	July 2024	
		4. Development, examination and approval of the feasibility study of the project with identification of funding sources.		
		5. Determination of the general		

			<p>contractor and conclusion of a contract with subsequent examination in accordance with the established procedure.</p> <p>6. Opening of financing and commencement of construction work.</p> <p>7. Completion of construction and commissioning of the facility.</p>		
9.	Modernization of ammonia and urea production at Fergana Azot JSC	\$91 million	<p>1. Development, examination and approval of the feasibility study of the project with the identification of sources of financing through the investment commitments of the potential investor.</p> <p>2. Determinatio</p>	<p>December 2019</p> <p>March 2020</p> <p>May 2020</p> <p>December 2023</p>	<p>JSC "Uzkimyosanoat" (<i>Temirov</i>),</p> <p>JSC "Ferganaazot" (<i>Salizhanov</i>), MIVT (<i>Umurzakov</i>),</p> <p>Ministry of Economy and Industry (<i>Khodjaev</i>),</p> <p>RPI "Uzengineering" (<i>Urazaev</i>)</p>

			<p>n of the general contractor and conclusion of a contract with him, followed by its examination in accordance with the established procedure.</p> <p>3. Opening of financing.</p> <p>4. Completion of construction and commissioning of the facility.</p>		
10	Modernization of ammonium nitrate production and expansion of non-concentrated nitric acid at Fergana Azot JSC	45 million US dollars	<p>1. Development, examination and approval of the feasibility study of the project with the identification of sources of financing through the investment commitments of the potential investor.</p> <p>2. Determination of the general</p>	<p>December 2019</p> <p>March 2020</p> <p>May 2020</p> <p>December 2023</p>	<p>JSC "Uzkimyosanoat" (<i>Temirov</i>),</p> <p>JSC "Ferganaazot" (<i>Salizhanov</i>), MIVT (<i>Umurzakov</i>),</p> <p>Ministry of Economy and Industry (<i>Khodjaev</i>),</p> <p>RPI "Uzengineering" (<i>Urzaev</i>)</p>

			<p>contractor and conclusion of a contract with him, followed by its examination in accordance with the established procedure.</p> <p>3. Opening of financing.</p> <p>4. Completion of construction and commissioning of the facility.</p>		
11	Modernization of phosphorus fertilizer production at JSC Ammofos-Maxam, Stage II	70 million US dollars	<p>1. Development of a project concept with technology licensors and coordination of project implementation conditions with the foreign co-founder of Ammofos-Maxam JSC, the Maxam company (Spain).</p> <p>2. Development, examination and approval of the</p>	<p>October 2019</p> <p>March 2020</p> <p>June 2020</p> <p>July 2020</p> <p>December 2022</p>	<p>JSC "Uzkimyosanoat" (<i>Temirov</i>),</p> <p>JSC Ammofos-Maxam (<i>Ibragimov</i>)</p>

			<p>feasibility study of the project with the identification of funding sources.</p> <p>3. Determination of the general contractor and conclusion of a contract with him, followed by an examination in accordance with the established procedure.</p> <p>4. Opening of financing and commencement of construction work.</p> <p>5. Completion of construction and commissioning of the facility.</p>		
12	Modernization and expansion of production capacities of JSC	70 million US dollars	1. Development of a feasibility study for the project.	July 2019 July 2020	<p>Agency for State Assets Management (Zhuraev),</p> <p>MIVT (<i>Umurzakov</i>), khokimiyat of Fergana region (Ganiev),</p>

<p>Kukon Superphosphate Plant and organization of production of new types of products</p>		<p>2. Commencement of construction and installation works within the framework of the project implementation.</p> <p>3. Introduction of the first phase (bringing superphosphate to 175 thousand tons in physical weight).</p> <p>4. Introduction of the second phase (increasing the volume of superphosphate in physical weight to 350 thousand tons).</p> <p>5. Preparation of a concept for the further development of the company and attraction of investment</p>	<p>January 2021</p> <p>December 2021</p>	<p>foreign investor</p>
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			commitments for stage 2.		
II. Investment projects for the organization of production of polymer products					
13	Construction of a complex for the production of polyvinyl chloride (PVC), caustic soda and methanol at JSC Navoiazot	\$500.1 million	<ol style="list-style-type: none"> 1. Completion of the mechanical part of installation works. 2. Carrying out commissioning works. 3. Commissioning of the facility. 4. Registration of the act of the working commission for acceptance of the facility into operation in accordance with the established procedure. 	<p>July 2019</p> <p>August 2019</p> <p>September 2019</p> <p>December 2019</p>	<p>JSC "Uzkimyosanoat" (<i>Temirov</i>),</p> <p>JSC Navoiazot (<i>Sharipov</i>)</p>
14	Organization of BOPP film production in the Jizzakh Free Economic Zone	40 million US dollars	<ol style="list-style-type: none"> 1. Creation of a joint venture. 2. Development of a business plan for the project. 3. 	<p>August 2019</p> <p>December 2019</p> <p>March 2020</p>	<p>JSC "Uzkimyosanoat" (<i>Temirov</i>),</p> <p>JSC "Zhizzakh Plastmassa" (<i>Turakulov</i>), Uzpromstroibank (<i>Voitov</i>),</p> <p>Khokimiyat of Jizzakh region (<i>Soliev</i>), Directorate of FEZ "Jizzakh" (<i>Zoirov</i>)</p>

			<p>Determination of the general contractor and conclusion of an agreement with him.</p> <p>4. Attracting a loan from a commercial bank to co-finance the Uzbek share of the project.</p> <p>5. Opening of financing.</p> <p>6. Commencement of construction and installation works.</p> <p>7. Commissioning of the facility.</p>	<p>May 2020</p> <p>June 2020</p> <p>August 2020</p> <p>December 2021</p>	
15	Production of olefins using MTO technology from 2 billion cubic meters of natural gas for further production of PET,	\$6,500 million	1. Creation of a joint working group consisting of specialists from JSC Uzbekneftegaz and JSC Uzkimyosanoat.	<p>April 2019</p> <p>May 2019</p>	<p>Ministry of Energy</p> <p>(<i>Sultanov</i>),</p> <p>MIVT</p> <p>(<i>Umurzakov</i>),</p> <p>Ministry of Economy and Industry</p>

<p>synthetic rubbers, chemical fibers, polystyrene, polymers and other petrochemical products jointly with Uzbekneftegaz JSC</p>	<p>2. Defining the concept for project implementation by holding a business forum with potential project participants, licensors, investors, and consultants at the upcoming international oil and gas conference in Tashkent in May 2019.</p> <p>3. Development of a technological configuration and determination of capacities by product types based on the results of market research.</p> <p>4. Development of a consolidated financial and economic model.</p>	<p>September 2019</p> <p>November 2019</p>	<p>(<i>Khodjaev</i>)</p> <p>JSC "Uzkimyosanoat" (<i>Temirov</i>)</p>
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III. Investment projects to expand existing and create new types of chemical products for the republic's economic sectors

16	Organization of ferrosilicon production in the Navoi region	10 million US dollars	<ol style="list-style-type: none"> 1. Determination of production technology and development of a business plan. 2. Determination of the general contractor. 3. Determination of funding sources, opening of funding and commencement of construction work. 4. Commissioning of the facility. 	<p>September 2019</p> <p>November 2019</p> <p>January 2020</p> <p>August 2022</p>	<p>JSC Navoiazot <i>(Sharipov)</i>,</p> <p>State Committee for Geology <i>(Islamov)</i>, JSC "Uzkimyosanoat" <i>(Temirov)</i></p>
17	Organization of processing and disposal of waste from the chemical production of caprolactam	3 million US dollars	1. Free transfer of caprolactam production waste to the joint venture LLC ECO TECH GROUP on the following conditions: obtaining the relevant permits for the construction of a mini-	April 2019	<p>Agency for State Assets Management (<i>Zhuraev</i>) ,</p> <p>JSC "Maksam-Chirchik" (Saidakhmedov), JSC "Uzkimyosanoat" <i>(Temirov)</i> ,</p> <p>Khokimiyat of Tashkent region <i>(Ibragimov)</i>,</p> <p>State Committee on Ecology <i>(Kuchkarov)</i> ,</p> <p>MIVT (<i>Umurzakov</i>)</p>

		<p>plant for the disposal and processing of waste directly on the territory of waste disposal sites;</p> <p>construction of a mini-plant for waste disposal at the expense of the buyer in the amount of at least 3 million US dollars in accordance with established standards and requirements to ensure the safety of waste processing and disposal;</p> <p>complete extraction of caprolactam production waste from landfills with the return of cleaned landfills from caprolactam production waste to the balance sheet of JSC Maxam-</p>	<p>May 2019</p>	
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		<p>Chirchik for further use;</p> <p>creation of at least 70 new jobs;</p> <p>the investor's acceptance of obligations to implement, at its own expense, the necessary environmental protection measures and actions to protect the environment, as well as responsibility for all possible risks of damage to the ecology and the environment with compensation for damage.</p> <p>2. Allocation of a land plot in the Parkent district of the Tashkent region, with a total area of 9.21 hectares, for the construction of a mini-plant.</p>	
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18	Organization of production of thiourea based on ammonium thiocyanate and sodium polysulfide at JSC Navoiazot	50 million US dollars	<ol style="list-style-type: none"> 1. Development of a feasibility study for the project. 2. Expertise and approval of the feasibility study of the project. 3. Creation of a joint venture. 4. Identification of sources of financing, including co-financing of the Uzbek share of the project. 5. Opening of financing and commencement of construction work. 6. Commissioning of the facility. 	<p>September 2019</p> <p>November 2019</p> <p>January 2020</p> <p>March 2020</p> <p>June 2020</p> <p>December 2022</p>	<p>JSC "Uzkimyosanoat" (<i>Temirov</i>),</p> <p>JSC Navoiazot</p> <p>(<i>Sharipov</i>),</p> <p>RPI "Uzengineering" (<i>Urazaev</i>),</p> <p>Uzpromstroibank (<i>Voitov</i>)</p>
19	Implementation of projects at JSC Zhizakh	\$1.6 million	<ol style="list-style-type: none"> 1. Preparation of production facilities for the 	<p>June 2019</p>	<p>JSC "Uzkimyosanoat" (<i>Temirov</i>),</p> <p>JSC Zhizakh</p> <p>Plastics (<i>Turakulov</i>)</p>

	Plastmassa for the production of chemical additives		<p>placement of technological equipment for the production of chemical additives.</p> <p>2. Manufacturing, supply and installation of equipment for the production of chemical additives.</p> <p>3. Commissioning of the facility for the production of chemical additives.</p>	<p>October 2019</p> <p>December 2019</p>	
20	Organization of production of dry cyanogen salts at JSC Navoiazot	30 million US dollars	<p>1. Development of a feasibility study for the project.</p> <p>2. Expertise and approval of the feasibility study of the project.</p> <p>3. Creation of a joint venture.</p> <p>4. Identification of sources of</p>	<p>September 2019</p> <p>November 2019</p> <p>January 2020</p> <p>April 2020</p> <p>June 2020</p> <p>July 2023</p>	<p>JSC "Uzkimyosanoat" (<i>Temirov</i>),</p> <p>JSC Navoiazot</p> <p>(<i>Sharipov</i>),</p> <p>RPI "Uzengineering" (<i>Urazaev</i>)</p> <p>Uzpromstroibank (<i>Voitov</i>)</p>

			<p>financing, including co-financing of the Uzbek share of the project.</p> <p>5. Opening of financing and commencement of construction work.</p> <p>6. Commissioning of the facility.</p>		
21	Organization of production of chemical plant protection products in the Navoi region	5 million US dollars	<p>1. Development of the project concept.</p> <p>2. Search for foreign investors, technology licensors and decision-making on further project implementation.</p>	<p>October 2019</p> <p>March 2020</p>	<p>JSC "Uzkimiyosanoat" (<i>Temirov</i>),</p> <p>MIVT (<i>Umurzakov</i>)</p>
22	Production of passenger car, truck and bus tires, conveyor belts and other rubber products at the Rubber Plant in the	200 million US dollars	<p>1. Conducting marketing research, developing preliminary design documentation for the project.</p> <p>2. Search for</p>	<p>December 2019</p> <p>March 2020</p> <p>May 2020</p>	<p>JSC "Uzkimiyosanoat" (<i>Temirov</i>),</p> <p>LLC "Birinchi Rezinotekhnika Zavodi" (<i>Tillaev</i>),</p> <p>MIVT (<i>Umurzakov</i>),</p> <p>JSC "Uzkimiyosanoat-loyiha" (<i>Abdullaev</i>)</p>

	Angren SEZ (Stage II)		foreign investors and technology licensors with the achievement of relevant agreements. 3. Determining sources of project financing and making a decision on the further implementation of the project.		
23	Production of synthetic detergents based on LAB	\$58.6 million	1. Development of the project concept. 2. Search for foreign investors, technology licensors and decision-making on further project implementation.	October 2019 March 2020	JSC "Uzkimyosanoat" (<i>Temirov</i>), MIFT (<i>Umurzakov</i>)
24	Organization of textile cord production on the territory of the Angren SEZ	20 million US dollars	1. Development of the project concept. 2. Search for foreign investors, technology licensors and decision-	October 2019 March 2020	JSC "Uzkimyosanoat" (<i>Temirov</i>), MIFT (<i>Umurzakov</i>), Tashkent Region Khokimiyat (<i>Ibragimov</i>)

			making on further project implementation.		
25	Organization of carbon black production on the territory of the Angren SEZ	100 million US dollars	<ol style="list-style-type: none"> 1. Development of the project concept. 2. Search for foreign investors, technology licensors and decision-making on further project implementation. 	<p>October 2019</p> <p>March 2020</p>	<p>JSC "Uzkimyosanoat" (<i>Temirov</i>), MIFT (<i>Umurzakov</i>),</p> <p>Tashkent Region Khokimiyat (<i>Ibragimov</i>)</p>
26	Expansion of the existing production of soda ash and organization of production of other types of products at Kungrad Soda Plant LLC	\$180 million	<ol style="list-style-type: none"> 1. Coordination and approval, jointly with the foreign investor, of the project implementation network schedule. 2. Development of conditions for attracting foreign investment with the investor and financial institutions. 	<p>August 2019</p> <p>December 2019</p>	JSC "Uzkimyosanoat" (<i>Temirov</i>), MIFT (<i>Umurzakov</i>)
27	Organization of production of caustic soda and	\$213 million	<ol style="list-style-type: none"> 1. Development of the project concept. 	<p>October 2019</p> <p>March 2020</p>	JSC "Uzkimyosanoat" (<i>Temirov</i>), MIVT (<i>Umurzakov</i>)

	chlorine for PVC production		2. Search for foreign investors, technology licensors and decision-making on further project implementation.		
28	Hydrogen peroxide production	25 million US dollars	1. Development of the project concept. 2. Search for foreign investors, technology licensors and decision-making on further project implementation.	October 2019 March 2020	JSC "Uzkimyosanoat" (<i>Temirov</i>), MIFT (<i>Umurzakov</i>)
29	Organization of production of a wide range of products based on methanol by JSC Navoiazot	435 million US dollars	1. Conducting marketing research, developing preliminary design documentation for the project. 2. Search for foreign investors and technology licensors with the achievement of relevant agreements.	October 2019 December 2019 February 2020	JSC "Uzkimyosanoat" (<i>Temirov</i>), MIVT (<i>Umurzakov</i>), JSC "Uzkimyosanoat-loyiha" (<i>Abdullaev</i>)

			3. Determining sources of project financing and making a decision on the further implementation of the project.		
30	Increasing the capacity of existing production facilities and establishing new types of low-tonnage chemical products at Fergana Azot JSC	\$12.2 million	1. Development of a business plan for expansion and organization of new low-tonnage chemical products. 2. Determination of sources of project financing. 3. Purchase of equipment and construction and installation works. 4. Phased commissioning of facilities	June 2019 December 2019 December 2020 March 2021	JSC "Uzkimyosanoat" (<i>Temirov</i>), JSC "Ferganaazot" (<i>Salizhanov</i>)
31	Organization of catalyst production	\$125 million	1. Development of the project concept.	October 2019 March 2020	JSC "Uzkimyosanoat" (<i>Temirov</i>), MIFT (<i>Umurzakov</i>)

			2. Search for foreign investors, technology licensors and decision-making on further project implementation.		
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The total cost of the projects being implemented is USD 12,073.0 million.

Notes:

1. The mechanisms and timeframes for implementing the measures of this Roadmap may be adjusted in agreement with the Cabinet of Ministers of the Republic of Uzbekistan based on the results of the development of the conditions for the implementation of investment projects with investors.

2. Project parameters may be subject to change as the PTES/FS of the projects are developed.

(Appendix No. 1 as amended by the Resolution of the President of the Republic of Uzbekistan dated April 3, 2019 No. PP-4256 - National Database of Legislation, 04.04.2019, No. 07/19/4265/2883)

APPENDIX No. 2

to the Resolution of the President of the Republic of Uzbekistan dated October 25, 2018 No. PP-3983

SCROLL

restructured loans from the Fund for Reconstruction and Development of the Republic of Uzbekistan and the National Bank for Foreign Economic Activity of the Republic of Uzbekistan, provided for co-financing investment projects of Uzkimyosanoat JSC, without extending the deadlines for final payments, with a corresponding restructuring of the obligations of the refinancing banks

in millions of US dollars

No.	Name of investment projects	Total loan amount, of which		Principal Amount *		
		amount of the issued loan	the amount of the selected loan	total	from it	
					2019	2020
JSCB "Uzpromstroibank"						
1.	Construction of the Dehkanabad Potash Fertilizer Plant (Stage I)	61.7	61.7	26.0	13.0	13.0

2.	Expansion of production capacities of DZKU (stage II)	128.1	106.4	64.0	32.0	32.0
3.	Organization of nitric acid production at JSC Navoiazot	75.5	75.5	20.6	10.3	10.3
JSCB "Asaka"						
4.	Construction of a complex for the production of polyvinyl chloride, caustic soda and methanol at Navoiazot JSC	69.1	69.1	18.6	9.3	9.3
5.	Organization of ammonia and urea production at JSC Navoiazot	320.0	336.9	32.2	-	32.2
6.	Organization of production of conveyor belts, agricultural and automobile tires on the territory of the Angren industrial zone	27.6	25.5	8.5	4.25	4.25
National Bank for Foreign Economic Activity of the Republic of Uzbekistan						
7.	Completion of construction of a complex for the production of ammonium nitrate and nitric acid (Ferganaazot JSC, loan agreement no. 03.07.2001)	56.6	56.6	26.06	13.03	13.03
TOTAL		738.6	731.7	195.96	81.88	114.08

Note: interest deferral is only available for loans from the National Bank for Foreign Economic Activity of the Republic of Uzbekistan.

APPENDIX No. 3

to the Resolution of the President of the Republic of Uzbekistan dated October 25, 2018 No. PP-3983

Amendments and additions made to certain decisions of the President of the Republic of Uzbekistan and the Government of the Republic of Uzbekistan

See previous edition.

(Clause 1 was repealed by the Decree of the President of the Republic of Uzbekistan dated March 18, 2020 No. UP-5968 - National Database of Legislation, March 19, 2020, No. 06/20/5968/0331)

2. Appendix No. 4 to the Resolution of the President of the Republic of Uzbekistan dated August 23, 2017 No. PP-3236 "On the program for the development of the chemical industry for 2017-2021" shall be declared invalid.

See previous edition.

(Clause 3 was repealed by the Decree of the President of the Republic of Uzbekistan dated March 18, 2020 No. UP-5968 - National Database of Legislation, March 19, 2020, No. 06/20/5968/0331)

4. From the appendix to the Resolution of the President of the Republic of Uzbekistan dated August 6, 2018 No. PP-3900 "On measures to further expand and deepen the partnership with the

European Bank for Reconstruction and Development”, exclude position 30.

5. In the Resolution of the Cabinet of Ministers of February 27, 2017 No. 110 “On measures to further expand the production of import-substituting and export-oriented products in the free economic zones of the Republic of Uzbekistan:

a) the section “JSC Uzkimyosanoat” shall be supplemented with positions 16¹ and 16² of the following content:

«16 ¹ .	Organization of production of various types of paints and varnishes	Q4 2021	10 thousand tons	4.0	3.0	1.0		UzPSB	30	Free Economic Zone "Navoi"
16 ² .	Organization of production of BOPP film.	Q4 2022	20 thousand tons	40.0	24.0	6.0	10.0	UzPSB	50	Jizzakh Free Economic Zone »;

b) from Appendix No. 1, exclude positions 17, 18, 19 and 20.

6. In the third paragraph of clause 4 and clause 6 of the Resolution of the Cabinet of Ministers of August 2, 2017 No. 576 “On additional measures to complete the construction of the mining complex within the framework of the investment project “Expansion of production capacity of the Dehkanabad potash fertilizer plant (stage II)”, the words “September 1, 2018” shall be replaced by the words “January 1, 2020”.

(National Legislation Database, 27.10.2018, No. 07/18/3983/2106; 04.04.2019, No. 07/19/4265/2883; 19.03.2020, No. 06/20/5968/0331)