

**Summary of target parameters of the
Program on development and modernization of infrastructure in 2015-2019**

#	Name of project	Parameters	Preliminary cost of the project (mln. USD)		Realization period
			total	including foreign investments and loans	
Ministry for Development of Information Technologies and Communications					
1	Expansion of fixed and wireless broadband	1,0 mln ports	104.54	61.29	2015- 2020
2	Construction of fiber-optic communication lines	12 100 km	48.3		2015 - 2020
3	Expansion of the switching equipment on NGN technology	550 thous. numbers	22.9	19.5	2015 - 2019
4	Modernization of switching centers on IMS technology (IP Multimedia Subsystem)	450 thous. users	31.9	16.5	2016 - 2020
5	Creating centers of data storage and processing (Data-Center)	30 thous. TB	46.6	33.2	2015 - 2020
"Uzbekistan Temir Yullari" SJSRC (Uzbekistan Railways)					
6	Electrification of the railway section Samarkand-Bukhara with the organization of high-speed passenger trains	291,5 km	387.5	-	2015 – 2016
7	Construction of the railway line Kandim - Gazly - Mysken	325,6 km	400.0	-	2016 - 2020
8	Electrification of the railway section Bukhara - Urgench	453 km	250.0	70.0	2017 – 2020
9	Electrification of the railway section Marokand - Karshi	140 km	208.4	74.4	2011 – 2016

10	Organization of high-speed passenger trains on the railway line Samarkand - Karshi	155,9 km	78.4		2014 – 2015
11	Electrification of the railway section Karshi - Termez	325 km	388.2	166.9	2012 - 2017
12	Construction of railway sidings to Kandim gas processing plant	48,7 km	50.0		2015 – 2016
13	Rehabilitation of the railway line	960 km	270.2		2015 – 2019
14	Construction of double-track electrified railway line Jizzakh-Yangiyer (Stage II. Construction of infrastructure)	Infrastructure objects	320.7		2015 – 2017
15	Organization of high-speed passenger trains on the railway line Tashkent-Samarkand (Stage III. Construction of infrastructure)	Infrastructure objects	366.7		2015 – 2019
16	Acquisition of equipment and technologies for business units of JSC "Uzbekistan Railways"		30.7		2015 – 2019
17	Development of Chukursay station. Automation of hump yard.	5 000 wagons per day	18.1		2017 – 2018
18	Electrification of the railway section Kokand - Margilan - Andijan	141 km	210.0	50.0	2019 – 2022
19	Construction of the station in Kagan city (on station "Bukhara - 1")	facility	3.0		2015 – 2016
20	Acquisition of high-speed passenger trains	2 units	42.0		2016 – 2017
"Uzbekiston Havo Yullari" NA (Uzbekistan Airways)					
21	Construction of a new international passenger terminal of the Tashkent airport (Tashkent – 4)	1,5 thous. passengers/hour	312.9	300.9	2016 – 2018
22	Reconstruction and expansion of the passenger terminal of the airport in Termez city	300 passengers/hour	3.9		2019 – 2020

23	Reconstruction of the building of the passenger terminal of the airport in Nukus city	300 passengers/hour	3.9		2019 – 2020
24	The construction of a hangar for aircraft maintenance (Boeing – 787)	49 types of maintenance/year	40.9		2014 – 2016
25	Modernization of the automated air traffic control systems at airports of Tashkent, Samarkand, Bukhara and Urgench	-	6.6		2015 – 2017
26	Renewal of special airport equipment of NJSC "Uzbekistan Airways"	41 units	9.9		2013 – 2016
27	Renewal of special airport equipment of NJSC "Uzbekistan Airways" (Stage II)	18 units	4.8		2018 – 2020
Roads construction and reconstruction					
28.	Construction and reconstruction of sections of roads that are part of the Uzbek national highway at the expense of the National Road Fund	Length (km)			
		1 227,8	TBD	TBD	2015-2019
	Of these:				
	In the direction of Beineu-Kungrad-Bukhara-Navoi-Samarkand-Tashkent-Andijan	338,6	TBD	TBD	2015-2019
	In the direction of Bukhara-Karshi-Guzar-Termez	186,2	TBD	TBD	2015-2019
	In the direction of Samarkand-Guzar	36,0	TBD	TBD	2015-2017
	Kamchik Pass	8,0	TBD	TBD	2018-2019
	Construction of a new bypass road of Tashkent	9,0	TBD	TBD	2015-2018
Converting the road pavement with axial load of 10 tons to axial load of 13 tons of sections of roads that are part of the Uzbek national highway	32,0	TBD	TBD	2016-2017	

	Including:				
	Beineu-Kungrad-Bukhara-Navoi-Samarkand-Tashkent-Andijan	391,0	TBD	TBD	2015-2019
	Bukhara-Alat	78	TBD	TBD	2016-2019
	Bukhara-Karshi-Guzar-Termez	158,0	TBD	TBD	2015-2019
	Samarkand-Guzar	23,0	TBD	TBD	2015-2017
29.	Construction and reconstruction of sections of roads that are part of the Uzbek national highway at the expense of the International financial institutions	1172,5	TBD	TBD	2015-2019
	Of these:				
	Beineu-Kungrad-Bukhara-Navoi-Samarkand-Tashkent-Andijan	857,0	TBD	TBD	2015-2019
	Bukhara-Karshi-Guzar-Termez	177,0	TBD	TBD	2015-2018
	Samarkand-Guzar	70,0	TBD	TBD	2015-2018
	Kamchik Pass	36,5	TBD	TBD	2015
	Converting the road pavement with axial load of 10 tons to axial load of 13 tons of sections of roads that are part of the Uzbek national highway	32,0	TBD	TBD	2016-2017
	Construction and reconstruction of sections of public roads	299,5	TBD	TBD	2015-2018
	Purchase of equipment, road-construction machines for the maintenance and repair of roads	Quantity	TBD	TBD	2015-2019
		993 units			
	Upgrading of the production capacity (purchase of asphalt plants, cement plants, concrete mixing plants, crushing and sorting production lines and other equipment and machinery for the industrial enterprises of "Uzavtoyul" SJSC)	38 sets	TBD	TBD	2016-2019
Water supply and sewerage					

Water supply					
30.	Reconstruction of wastewater treatment facilities in Pitnyak town. Improving drinking water supply in Bagat, Gurlan, Kushkupir, Shavat, Hanka and Khazorasp districts of Khorezm region	200.0 thousand cubic meters/ per day 42.0 thousand cubic meters / per day	26,0	23,0	2016-2020
31.	Construction and reconstruction of water distribution facilities in Khiva town, Khazorasp, Hanka, Urgench and Gurlan districts, pumping stations in Urgench city and "Kaparass", as well as Tuyamuyun-Urgench water main in Khorezm region	7 facilities/ 38,2 km	16,1	-	2016-2019
32.	Development and modernization of water supply systems of Nukus, Beruni, Muinak, Kungrad and Karauzyak districts, as well as modernization of the 2 nd lifting of Tuyamuyun station	30,0 thousand cubic meters/per day	15,0	10,0	2017-2021
33.	Improving water supply in Sirdarya, Gulistan and Sayhunobad districts of Sirdarya region	55,1 thousand cubic meters/per day	45,6	37,0	2016-2019
34.	Improving water supply in Baysun town and rural settlements using Hajimayhona spring in Surkhandarya region	23,5 km	25,8	21,2	2017-2019
35.	Reconstruction of water supply system in Kasan, Mubarek district centers and rural settlements, adjacent to water-line from Kitab-Shahrisabz underground water deposits	270 km	30,0	25,0	2018-2021
36.	Reconstruction and construction of water supply systems of Ahangaran and Angren cities, including Angren SIZ	7 facilities/12,2 km	7,1	-	2016-2018

37.	Construction of 2 nd run of the Hanabad-Andijan main water line (in Kurgantepa, Jalalkuduk, Andijan, Asaka, Altinkul, Balikchi, Shahrikhan and Boz districts)	286,0 thousand cubic meters/per day	16,0	15,0	2018-2022
38.	Improving water supply in Kagan district of Bukhara region	113 km	18,0	15,0	2018-2021
39.	Reconstruction of water supply system in Kattakurgan city of Samarkand region	45,0 thousand cubic meters/per day	5,0	5,0	2019-2023
40.	Improving drinking water supply in Zarkent, Hojikent, Iskovot, Bulokboshi, Buston, Yoshlik settlements and Namangan city of Namangan region	28,0 thousand cubic meters/per day	46,9	20,3	2017-2020
41.	Improving drinking water supply in Jizzakh region using Zarafshan river	100,0 thousand cubic meters/per day	16,5	15,0	2018-2022
42.	Improving water supply in Chust, Pap, Chartak, Namangan and Turakurgan districts of Namangan region	77,0 thousand cubic meters/per day	80,0	60,0	2017-2020
43.	Construction of the Tuyabuguz-Bekabad inter-regional water-pipe in Tashkent region	82,0 thousand cubic meters/per day	11,0	10,0	2018-2022
44.	Improving drinking water supply in Namangan city of Namangan district (taking into account drinking water supply networks)	410,0 thousand cubic meters/per day/ 55,2 km	21,8	16,0	2016-2021
45.	Reconstruction of water intake structures for rural water supply in Chinaz, Zangiata districts and part of Yangiyul district of Tashkent region	120,0 thousand cubic meters/per day	31,2	22,6	2017-2022
46.	Reconstruction of drinking water supply systems in Kamashi and Guzar district of Kashkadarya region	32,2 thousand cubic meters/per day	10,0	9,5	2018-2021

47.	Reconstruction of Tuyamuyun - Nukus inter-regional water supply system, as well as cross-over of Dustlik and Nukus-Takhiatash water line	2 facilities	1,9	-	2016
48.	Construction of the 1 st stage of the Tupalang-Termez water main with wastewater treatment facilities	281 km	48,0	40,0	2017-2022
Sewerage					
49.	Reconstruction of sewer networks and treatment facilities in Jizzakh city	30,0 thousand cubic meters/per day	52,8	44,6	2015-2019
50.	Reconstruction and extension of sewerage systems in Urgench, Khiva and Pitnak cities	87,7 thousand cubic meters/per day	40,0	30,0	2017-2021
51.	Reconstruction of the sewerage system in Karshi city	65,0 thousand cubic meters/per day	18,0	15,0	2017-2020
52.	Reconstruction of sewage treatment facilities in Angren city	100,0 thousand cubic meters/per day	15,0	12,0	2017-2020
53.	Reconstruction of sewage treatment facilities and sewerage systems in the cities of Bukhara and Samarkand. Phase 2.	102 km	72,0	65,0	2016-2020
54.	Reconstruction and enhancement of sewage treatment facilities in Chirchik city, taking into view the development of water supply and sewerage of the Chimgan-Charvak recreation zone in Tashkent region	100,0 thousand cubic meters/per day	10,0	8,0	2017-2021
55.	Reconstruction of the sewerage system in Nukus and Takhiatash cities	72,6 thousand cubic meters/per day	5,0	-	2018-2021
56.	Reconstruction and enhancement of sewerage systems in Gulistan, Shirin and Yangiyer of the Syrdarya region	39,0 thousand cubic meters/per day	71,0	57,5	2016-2019

57.	Reconstruction of sewage treatment facilities in Kattakurgan city of the Samarkand region	30,0 thousand cubic meters/per day	1,0	-	2019-2023
58.	Development of sewerage systems in Beruni and Buston cities of the Republic of Karakalpakstan	20,2 thousand cubic meters/per day	7,0	5,0	2017-2019
59.	Reconstruction and enhancement of sewerage systems in Namangan city	150,0 thousand cubic meters/per day	8,0	6,0	2018-2022
60.	Construction and reconstruction of sewage systems in Shargun and Denau towns, as well as in Jarkurgan distric center of the Surkhandarya region	65,0 thousand cubic meters/per day /37,0 km	46,0	40,0	2016-2021
Development of sanitary cleaning systems					
61.	Introduction of solid waste management in Samarkand	TBD	45.6	43.0	2016 – 2018
62.	Solid waste management in Tashkent (expansion of the existing landfill, construction and reconstruction of collection points)	TBD	70.5	69.0	2015 – 2018
63.	Solid waste management in Karshi city	TBD	10.0	8.5	2016 – 2018
64.	Solid waste management in Bukhara city	TBD	22.0	20.0	2018 – 2020
65.	Solid waste management in Andijan city	TBD	23.0	21.0	2018 – 2020