



Uzbekistan Bukhara and Samarkand Sewerage Project (P112719)

EUROPE AND CENTRAL ASIA | Uzbekistan | Water Global Practice |
IBRD/IDA | Investment Project Financing | FY 2010 | Seq No: 20 | ARCHIVED on 24-Dec-2020 | ISR44855 |

Implementing Agencies: BUKHARA REGIONAL PRODUCTION ENTERPRISE SUVOKOVA, Ministry of Finance, SAMARKAND REGIONAL PRODUCTION ENTERPRISE SUVOKOVA, Project Coordination Unit, Kommunkhizmat Agency

Key Dates

Key Project Dates

Bank Approval Date: 04-Aug-2009

Effectiveness Date: 01-Apr-2010

Planned Mid Term Review Date: 04-Mar-2013

Actual Mid-Term Review Date: 30-Sep-2013

Original Closing Date: 31-Dec-2015

Revised Closing Date: 30-Nov-2021

Project Development Objectives

Project Development Objective (from Project Appraisal Document)

The objectives of the Project are to mitigate the environmental impact from wastewater pollution and to improve the efficiency and sustainability of wastewater management in Bukhara and Samarkand.

Has the Project Development Objective been changed since Board Approval of the Project Objective?

Yes

Board Approved Revised Project Development Objective (If project is formally restructured)

The proposed PDOs are to reduce wastewater pollution and improve the performance of utilities responsible for wastewater management in Bukhara and Samarkand.

Components Table

Name

Component B: Physical Investments:(Cost \$137.88 M)

Component A: Institutional Strengthening and Capacity Building:(Cost \$3.76 M)

Component C: Project Management:(Cost \$3.35 M)

Overall Ratings

Name	Previous Rating	Current Rating
Progress towards achievement of PDO	<input type="checkbox"/> Moderately Satisfactory	<input type="checkbox"/> Moderately Satisfactory
Overall Implementation Progress (IP)	<input type="checkbox"/> Moderately Satisfactory	<input type="checkbox"/> Moderately Satisfactory
Overall Risk Rating	<input type="checkbox"/> Substantial	<input type="checkbox"/> Moderate

Implementation Status and Key Decisions

The Project has been making steady progress towards the achievement of the Project Development Objectives (PDO), Most of PDO indicator targets are yet to be met. This is highly likely as these indicators are associated with the commissioning of the two wastewater treatment plants as well as the sewerage network in Bukhara and Samarkand. The total disbursements have reached US\$103.6 million, or 73.4% percent of total IDA credits. To date, around 86,000 new household sewerage connections (benefitting 436,000 people) have been completed, enabling expanded access to critical sewerage services.



The project is financing 15 works contracts (7 contracts in Bukhara and 8 in Samarkand), 6 contracts have been completed and 9 remaining active contracts are at various implementation progress status but, all are in schedule to be completed by the project closing date (November 30, 2021). SVK/W/01R for the rehabilitation of Samarkand wastewater treatment plant is showing good progress despite COVID19 Pandemic impacts. The two delayed packages of (i) BVK/W/03 and (ii) BVK/W/04 for the construction of sewerage collection system in Bukhara are scheduled to close satisfactorily under the new contractual arrangement as remaining works under these two contracts has been awarded to well-performing contractors. BVK/W/01 for the rehabilitation of Bukhara wastewater treatment plant has been suffering serious delays related to contract management. Issues are expected to be settled by December 31, 2020 and feasible implementation arrangement will be imposed to ensure smooth completion of the contract.

Moving forward and to maintain close monitoring, the implementing entities will hold weekly meetings with contractors to review progress and to strictly enforce any contractual remedies - to support and, incentivize progress and performance. Institutional strengthening activities under Component A, have progressed modestly over the reporting period, but are largely expected to be completed prior to the project closure on November 30, 2021.

Risks

Systematic Operations Risk-rating Tool

Risk Category	Rating at Approval	Previous Rating	Current Rating
Political and Governance	--	<input type="checkbox"/> Substantial	<input type="checkbox"/> Moderate
Macroeconomic	--	<input type="checkbox"/> Low	<input type="checkbox"/> Substantial
Sector Strategies and Policies	--	<input type="checkbox"/> Moderate	<input type="checkbox"/> Moderate
Technical Design of Project or Program	--	<input type="checkbox"/> Moderate	<input type="checkbox"/> Moderate
Institutional Capacity for Implementation and Sustainability	--	<input type="checkbox"/> Substantial	<input type="checkbox"/> Moderate
Fiduciary	--	<input type="checkbox"/> Substantial	<input type="checkbox"/> Moderate
Environment and Social	--	<input type="checkbox"/> Moderate	<input type="checkbox"/> Substantial
Stakeholders	--	<input type="checkbox"/> Low	<input type="checkbox"/> Low
Other	--	--	<input type="checkbox"/> Moderate
Overall	--	<input type="checkbox"/> Substantial	<input type="checkbox"/> Moderate

Results

PDO Indicators by Objectives / Outcomes

Reduced wastewater pollution in Bukhara and Samarkand

► Direct project beneficiaries (Number, Corporate)

Baseline

Actual (Previous)

Actual (Current)

End Target



Value	350,000.00	417,000.00	436,000.00	500,000.00
Date	24-Apr-2015	12-Jun-2020	30-Nov-2020	30-Nov-2021
Comments:	The indicator will be reached after the completion of ongoing works.			
<input type="checkbox"/> Female beneficiaries (Percentage, Corporate Supplement)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	52.00	52.00	52.00	52.00
<input checked="" type="checkbox"/> Volume(mass) of BOD pollution load removed by treatment plant under the project (Tones/year, Corporate)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	1,590.00	1,630.00	1,710.00	2,000.00
Date	06-Jul-2009	12-Jun-2020	30-Nov-2020	30-Nov-2021
Comments:	The indicator will be achieved after completion of the main WWTPs rehabilitation.			
<input checked="" type="checkbox"/> Volume(mass) of BOD pollution load removed by treatment plant under the project (Tones/year, Corporate)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	2,450.00	2,450.00	2,450.00	3,100.00
Date	06-Jul-2009	12-Jun-2020	30-Nov-2020	30-Nov-2021
Comments:	The indicator will be achieved after completion of the main WWTPs rehabilitation.			

Improved performance of utilities responsible for wastewater management in Bukhara and Samarkand				
<input checked="" type="checkbox"/> Energy efficiency at the WWTP in BVK (kWh/kg BOD5) (Text, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	4.10	2.10	2.50	3.00
Date	06-Jul-2009	12-Jun-2020	30-Nov-2020	30-Nov-2021
Comments:	This indicator has been achieved and exceeded following the commissioning of efficient pump stations.			
<input checked="" type="checkbox"/> Energy efficiency at the WWTP in SVK (kWh/kg BOD5) (Text, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	4.00	4.00	4.00	3.00
Date	06-Jul-2009	12-Jun-2020	30-Nov-2020	30-Nov-2021



Comments:	This indicator will be achieved after completion of rehabilitation of WWTP and the commissioning of the new efficient pump stations.			
► Operating cost coverage ratio in BVK (Text, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	1.28	ratio 0.73	0.74	1.45
Date	06-Jul-2009	12-Jun-2020	30-Nov-2020	30-Nov-2021
Comments:	This is badly impacted by the low tariff.			
► Operating cost coverage ratio in SVK (Text, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	1.08	ratio 1.2	1.26	1.40
Date	06-Jul-2009	12-Jun-2020	30-Nov-2020	30-Nov-2021
Comments:	The situation is stable in Samarkand Suvokova however, tariff is still low.			
► Number of sewer blockages per year in BVK (Number, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	1,404.00	856.00	659.00	600.00
Date	06-Jul-2009	12-Jun-2020	30-Nov-2020	30-Nov-2021
Comments:	Significant improvement due to the replacement of some sewer mains. This indicator will be achieved by completion of rehabilitation works			
► Number of sewer blockages per year in SVK (Number, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	1,056.00	280.00	310.00	700.00
Date	06-Jul-2009	12-Jun-2020	30-Nov-2020	30-Nov-2021
Comments:	This indicator has been achieved and exceeded due to the completion of most sewerage network.			
► % of customers satisfied with the services received in BVK (Percentage, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	30.00	30.00	60.00
Date	24-Apr-2015	12-Jun-2020	30-Nov-2020	30-Nov-2021



Comments:	No customer satisfaction survey was conducted for 2019. The next survey is planned towards November 2020.			
<input type="checkbox"/> of which female (Percentage, Custom Supplement)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	30.00	30.00	60.00
<input checked="" type="checkbox"/> % of customers satisfied with the services received in SVK (Percentage, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	30.00	30.00	60.00
Date	24-Apr-2015	12-Jun-2020	30-Nov-2020	30-Nov-2021
Comments:	No customer satisfaction survey was conducted for 2019. The next survey is planned during the 1st quarter of 2020.			
<input type="checkbox"/> of which female (Percentage, Custom Supplement)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	30.00	30.00	60.00

Overall Comments

Most of PDO indicator targets are yet to be met. This is highly likely as these indicators are associated with the commissioning of the wastewater treatment plants and collection systems in both Bukhara and Samarkand that are progressing towards completion by the Project closing date (November 30, 2021).

Intermediate Results Indicators by Components

Component A. Institutional Strengthening and Capacity Building				
<input checked="" type="checkbox"/> Communication and Public Awareness Strategy for the BVK and SVK developed and implemented (Text, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	None	Draft TOR developed	Draft TOR developed	Implemented
Date	06-Jul-2009	12-Jun-2020	12-Jun-2020	30-Nov-2021
Comments:	TOR developed and cleared by Bank. Procurement is planned in August 2020.			
<input checked="" type="checkbox"/> VK staff trained in utility management, O&M, finance, and communications, procurement (Number, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target



Value	0.00	423.00	423.00	1,000.00
Date	06-Jul-2009	12-Jun-2020	30-Nov-2020	30-Nov-2021
Comments:	More training is underway.			
► Number of people who participated in the public outreach workshops conducted (Number, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	2,000.00
Date	24-Apr-2015	12-Jun-2020	30-Nov-2020	30-Nov-2021
Comments:	Planned to be procured in August 2020. The target is expected to be achieved by end of project.			
□ Of which female (%) (Percentage, Custom Supplement)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	50.00
► Pilot SCADA system installed and operational (Text, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	None	Target achieved. Pilot is installed and operational at Farkhad WWTP.	Target achieved. Pilot is installed and operational at Farkhad WWTP.	Operational
Date	06-Jul-2009	12-Jun-2020	30-Nov-2020	30-Nov-2021
Comments:	Pilot SCADA has been installed in Samarkand.			
► Feasibility studies and detailed engineering design for future investments completed (Yes/No, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	No	Yes	Yes	Yes
Date	06-Jul-2009	12-Jun-2020	30-Nov-2020	30-Nov-2021
Comments:	Feasibility Study for Kattakurgan water supply and wastewater has been completed and submitted to the MHCS for review and approval. moreover, contracts have been signed for Karakalpakstan wastewater FS and Syrdarya Water supply FS, and the Syrdarya wastewater FS is at the RFP stage.			

Component B. Physical Investments

► Cumulative length of sewer lines replaced in Bukhara (Kilometers, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
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Value	0.00	33.30	34.00	82.70
Date	09-Jul-2009	12-Jun-2020	30-Nov-2020	30-Nov-2021
Comments:	Works suffered some delays but the indicator will be achieved by the end of the project.			
► Cumulative length of sewer lines replaced in Samarkand (Kilometers, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	34.35	35.35	34.35
Date	06-Jul-2009	12-Jun-2020	30-Nov-2020	30-Nov-2021
Comments:	This indicator has been achieved.			
► Cumulative length of new sewer lines constructed in Bukhara (Kilometers, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	11.20	12.40	41.00
Date	06-Jul-2009	12-Jun-2020	30-Nov-2020	30-Nov-2021
Comments:	Implementation of BVK/W/04 is behind schedule. However, steady progress is being made and the target will be achieved by the end of the project			
► Cumulative length of new sewer lines constructed in Samarkand (Kilometers, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	59.20	71.30	59.20
Date	06-Jul-2009	12-Jun-2020	30-Nov-2020	30-Nov-2021
Comments:	This indicator has been achieved.			
► New household sewer connections constructed under the project (Number, Corporate)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	2,600.00	2,600.00	4,500.00
Date	24-Apr-2015	12-Jun-2020	30-Nov-2020	30-Nov-2021
Comments:	Construction in Bukhara has been delayed. However, following the recent progress, this indicator will be achieved by the end of the project.			
► New household sewer connections constructed under the project (Number, Corporate)				
	Baseline	Actual (Previous)	Actual (Current)	End Target



Value	0.00	7,950.00	8,000.00	14,000.00
Date	24-Apr-2015	12-Jun-2020	30-Nov-2020	30-Nov-2021
Comments:	Following the recent progress, this indicator will be achieved by the end of the project.			

Overall Comments

Out of the 11 indicators, 5 indicators including (i) Pilot SCADA system installed and operational; (ii) Feasibility studies and detailed engineering design for future investments completed; (iii) Cumulative length of sewer lines replaced in Samarkand; (iv) Cumulative length of new sewer lines constructed in Bukhara; and (v) Cumulative length of new sewer lines constructed in Samarkand have already been achieved. The remaining 6 indicators are lagging.

All non-met targets are expected to be met as they are associated with the commissioning the wastewater treatment plants in Bukhara and Samarkand as well as the sewerage networks that are progressing towards completion by the Project closing date (November 30, 2021).

Performance-Based Conditions

Data on Financial Performance

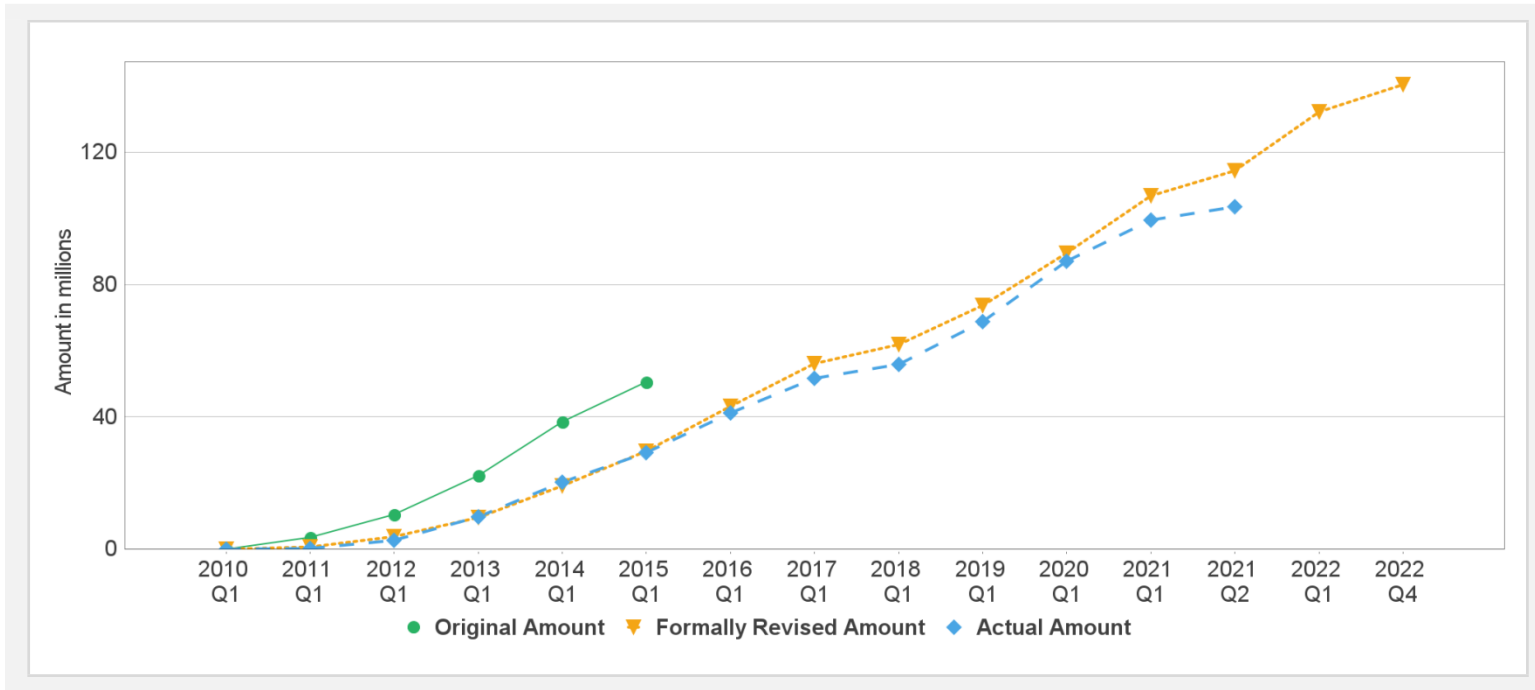
Disbursements (by loan)

Project	Loan/Credit/TF	Status	Currency	Original	Revised	Cancelled	Disbursed	Undisbursed	% Disbursed
P112719	IDA-46330	Closed	USD	55.00	53.45	1.55	50.89	0.00	100%
P112719	IDA-56980	Effective	USD	95.44	89.83	5.61	52.76	37.52	58%
P112719	IDA-56990	Effective	USD	9.56	0.17	9.39	0.00	0.00	0%

Key Dates (by loan)

Project	Loan/Credit/TF	Status	Approval Date	Signing Date	Effectiveness Date	Orig. Closing Date	Rev. Closing Date
P112719	IDA-46330	Closed	04-Aug-2009	26-Nov-2009	01-Apr-2010	31-Dec-2015	30-Jun-2019
P112719	IDA-56980	Effective	23-Jun-2015	13-May-2016	12-Aug-2016	30-Jun-2019	30-Nov-2021
P112719	IDA-56990	Effective	23-Jun-2015	13-May-2016	12-Aug-2016	30-Jun-2019	31-Dec-2020

Cumulative Disbursements



PBC Disbursement

PBC ID	PBC Type	Description	Coc	PBC Amount	Achievement Status	Disbursed amount in Coc	Disbursement % for PBC
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Restructuring History

Level 2 Approved on 02-Nov-2018 ,Level 2 Approved on 09-May-2020 ,Level 2 Approved on 23-Dec-2020

Related Project(s)

P152801-Additional Financing for Bukhara and Samarkand Sewerage Project