

Kyrgyz Republic

**Ministry of Agriculture, Food Industry
and Land Improvement**

Department of Water Resources and Land Improvement

**Agricultural Productivity and Nutrition Improvement Project
(Grant GAFSP TF0A0645)**

Project Progress Report No. 1

For Quarter I, 2017

April 2017

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and Land Improvement**

Department of Water Resources and Land Improvement

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For Quarter I, 2017

PIU Director

Beishekeev K.K.

April 2017

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	January 01, 2017 – March 31, 2017

**Kyrgyz Republic
Europe and Central Asia Region
ESCCD**

AGRICULTURE PRODUCTIVITY AND NUTRITION IMPROVEMENT PROJECT

Total Project Cost:	USD 38,00 mln
Donor	Global Agriculture and Food Security Program
Grant Amount:	USD 38,0 mln
Date of Signing:	March 18, 2016
Effectiveness Date:	September 14, 2016
Responsible Agency	Department of Water Resources and Land Improvement
Project Implementation Period:	5 years
Project Completion Date	December 31, 2021

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Project Development Objective

The project development objective (PDO) is to increase agricultural productivity and food and nutrition security of rural households in selected areas nationwide

PDO Level Results Indicators

The PDO level results indicators for the project are: (i) average percentage increase in crop production for WUAs (with completed I&D and advisory services); (ii) proportion of beneficiary households with food consumption score (FCS) above 28.5 points; (iii) number of water users provided with improved irrigation and drainage services; (iv) number of female water users provided with improved services.

Total Project cost is USD 38,00 mln, from which the Grant amount makes USD 38, 00 mln.

The Project consists of 4 Components:

- (i) Rehabilitation and Modernization of I&D Infrastructure;
- (ii) Agricultural Advisory Services;
- (iii) Nutrition Improvements; and
- (iv) Project Management.

Starting since September 2016, the total project implementation period will make 5 years.

Currently, the Project is at the stage of mobilization regarding to selection and hiring the international and local specialists, and mainly for the short time period the works have been carried out on the following components.

Component 1: Rehabilitation and Modernization of Irrigation and Drainage Infrastructure.

This component finances: (i) civil works for the rehabilitation and modernization of the existing command area of I&D systems on about 60,000 ha managed by approximately 30 WUAs and FWUAs; (ii) the provision of essential maintenance equipment to WUAs and FWUAs; (iii) off-farm irrigation infrastructure, and water measurement structures at the intakes of around 300 WUAs for measurement of water delivered; and (iv) limited rehabilitation works on critical off-farm structures managed by the DWRLI.

Survey of WUAs and status of WUAs selected for rehabilitation. To select the WUA for rehabilitation, the PIU staff determined the special rating for WUAs in accordance with the criteria developed by the World Bank. The rating is to be determined by the following criteria: i) the state of the off-farm irrigation infrastructure, ii) general level of ISF collection, iii) the annual WUA budget in comparison with the average indicator of the oblast, iv) the share of costs for repair works in the WUA budget, and v) the size of irrigated command area.

Since the beginning of the project implementation, totally 56 WUAs had been reviewed based on the WUA database, from which the detailed survey had been conducted in 9 WUAs. The followings are taken into account:

- Maximum score based on selection criteria;
- Availability of border problems;
- Availability of water in the source;
- The list does not include WUAs, where irrigation is carried out from wells or through pumping stations;
- The presence of complex technical problems and high unit costs are to be considered.

As of March 31, 2017, it was surveyed, a form was developed for submission to IDA for approval by 9 WUAs. Of these, 5 WUAs in the northern region and 4 WUAs in the southern region

Name of WUA	Oblast	Rayon
1. "Bereke S" WUA	Talas	Manas
2. "Kara-Bura" WUA	Talas	Kara-Bura
3. "Belsovkhov" WUA	Issyk-Kul	Jety-Oguz
4. "Toktomush" WUA	Naryn	Jumgal
5. "SKHM" WUA	Chui	Moskovskiy
6. "Gauyan" WUA	Batken	Kadamjay
7. "Taimonku" WUA	Jalalabad	Nookan
8. "Kur-Tash" WUA	Osh	Aravan
9. "Jylalady-Uzgen" WUA	Osh	Uzgen

Technical Design and Design Supervision

Design and survey activities and technical supervision for construction were carried out in the southern region by the Chief Design Engineer of Southern Design Group, and in the northern oblasts - by the Design Engineers.

Development of designs was carried out on the basis of prospect plans for each oblast and rayon, when the WUA is ready for rehabilitation work. When required, the Oblast Rehabilitation Group was supported by specialists from regional and rayon support units.

Since the beginning of the Project, design works were completed for 9 WUAs.

Information on the design work status is given in Annex A, Tables 5 and 6.

10 Design Engineers have been engaged to develop design and estimation documentation for Project sites. The design and estimation documents developed have been reviewed at the Technical Council by the respective Basin Administration of Water Resources of each Oblast. The design should be subjected to technical expertise by an independent expert. After the expertise conclusion, the design should be copied, and biddings for rehabilitation work are to be announced.

"Bereke - S" WUA

In accordance with the design work schedule, the field survey for the "Bereke-S" WUA irrigation network was carried out, and the Defective Act was prepared including the determining of rehabilitation work scope, based on which the Form No. 2 for IDA had been developed. The approval from the World Bank for the IDA Form No. 2 was received.

The WUA is located within the territory of Uch-Korgon Ayl Okmotu of the Manas Rayon, Talas Oblast, 85.0 km from the Talas City. The service area of the WUA makes 1161 ha. The "Bereke-S" WUA takes water from Saza and Baisuu off-farm canals (the Talas River system). The Saza off-farm canal is in good condition, lined with monolithic concrete, it has no problems. The canal length is 2,314 km, design discharge is 3,5 m³/sec, the command area under the canal makes 2406 ha.

The Baisuu off-farm canal passes in earthen bed, the canal length is 1,332 km, the design discharge is 3,0 m³/sec, the command area under the canal is 1296 ha. Large filtration water losses are observed at the canal. The off-farm system is in the temporary using by the “Saza-Baisuu” FWUA. The “Bereke-S” WUA together with WUA: Mandalak, Adilet-A and Mamatbai-Suu are forming the “Saza-Baisuu” FWUA.

The “Bereke-S” WUA on-farm system includes the following channels: Tegirmen, Saza-Bogoslovskiy, Akcha, Kyzyl-Zhyldyz and Povorotnyi. The total length of canals makes 30.2 km and service area is 1 161 ha.

In accordance with the Form No.2 to be submitted to IDA, under this subproject it is expected to construct 2 head sluice-regulators, 3 hydroposts, 18 water outlets, 3 culverts, 1 aqueduct across the canal, 3 inlets to the canal, including 3,35 km lining of the WUA on-farm canals with monolithic concrete of the WUA and 0.25 km of lining for off-farm canal.



“SKHM” WUA

The field surveys for “SKHM” WUA irrigation systems were conducted earlier including development of defective acts and topographic surveys, based on which the working drawings have been developed and estimations of construction work scope were calculated and in accordance with the design work schedule the Form No. 2 to be submitted to IDA was developed.

Administratively, the site is located in the Moskovskiy Rayon, 5 km from the Moskovskiy Rayon Center and 60 km from the Bishkek City. The nearest railway station is 10 km away from the oskovskiy Rayon Center. The service area is 5430 ha.

The service area of “SKHM” WUA is divided into two zones: *the upstream zone* receives water from the Ak-Suu river along the "Murake" off-farm system to the Petrovka Village, and *downstream zone*, which directly receives irrigation water from the Western Big Chui Canal.

The upper zone. The total length of the “Murake” off-farm distribution canal is 9.48 km. The command irrigated area is 3450 ha, from which areas of “SKHM” WUA makes 2,671 ha.

Lower zone. The Western Big Chui Off-farm Canal. It is completely in the earthen bed. The command service area of the WUA makes 2759 ha. The irrigation water is taken from the Western Big Chui Off-farm Canal and distributed directly to the WUA from such distributors as: R-20, R-20-1, R-20-2, R-20-3, R-20-4, P-20-5, P-20-6, P-21-2, P-21-2 (Maltabar River system) and P-21. There are distribution facilities and water measurement facilities are at those distributors, which are on the balance of the Moskovskiy RVK. The on-farm networks are located behind them. From all off-farm distribution canals, only P-21 has length of 9.6 km. The

canal is completely earthen. 5 on-farm canals are branched out from the R-21 canal, including the X-5 canal of off-farm purpose, the total length of which is 4.7 km.

In accordance with the Form No.2 to be submitted to IDA No. 2, it is expected to construct 200 hydraulic structures under this Sub-project. In particular: water outlets - 21, distribution structures - 97, culverts - 12, transitional sections - 15, hydro posts - 14, 7 – stilling basins, swivel-mounted wells - 7, outlets - 14, swivel-stilling -distribution well – 1 and other structures – 2. Lining the earth canals makes 25322 meters, from which: monolithic concrete - 24098 meters, L-shaped reinforced concrete blocks - 384 meters, Lr-60 precast reinforced concrete blocks - 840 meters. Also, it is required to carry out the dismantling and mounting the broken reinforced concrete slabs - 18 pcs., including delivery and installation of the lacking reinforced concrete slabs- 25 pcs. To carry out mechanical cleaning of canals, for total length - 500 meters.



Topographical survey for “SKHM” WUA on-farm canals

“Toktomush” WUA

In accordance with the design work schedule, the field survey of the “Toktomush” WUA irrigation network was carried out there, and the defective act was prepared and preliminary scopes of rehabilitation works were determined based on which the Form No. 2 for IDA had been developed.

The site is located in Zhumgal Rayon, in the Baizak Rural Administration, 15 km to the north-east of the Chaek Village Rayon Center.

The irrigation system is fed from the Orto-Kuugandy and Zhumgal Rivers and the Kara-Suu stream. The total area of the irrigation network system makes 1,722 ha, including 1447 ha from the Orto-Kuugandy River system, 118 ha - from the Zhumgal River system, and 61 ha – from Kara-Suu stream and 96 ha- from Sarybulak and Aktash streams. On-farm land canals receive water from the Orto-Kuugandy River, Zhumgal and the stream. Karasuu. In total, the WUA has off-farm canals with total length of 49.0 km. All canals are earthen.

In accordance with the Form No.2 for submission to IDA, under this Sub-Project it is foreseen to construct head sluice-regulators -2 , the pre-sedimentation basin with hydraulic flushing -1, also it is required to implement the mechanical cleaning along 2.0 km against sediments, lining the canal with Lr-80 and Lr-60 prefabricated reinforced concrete chutes along 1,746 m, the connecting canal from L-shaped 120 - 80 meters with structures, hydroposts - 3, spillways- 2 pcs. to earthen canal, 10 water outlets with controlling structures, outlets - 27, culverts - 10, sluice-regulators - 7, 1 bridge across the canal and 2 spillway structures.



Head sluice-regulator



Pre-sedimentation basin

“Belsovkhov” WUA

In accordance with the design work schedule, the field survey of the “Belsovkhov” WUA irrigation network was carried out there, and the defective act was prepared and preliminary scopes of rehabilitation works were determined based on which the Form No. 2 for IDA had been developed.

Also, the topographic survey for the “Belsovkhov” WUA irrigation network was done, based on which the working drawings and estimations for the construction work scope have been developed.

The service area of the “Belsovkhov” WUA is located within the territories of Orgochor and Svetlopolyansky Aiyl Okmotu in Djety-Oguz Rayon of Issyk-Kul Oblast. The territory is located on the Issyk-Kul lake southern shore, 30 km from Oblast Center- Karakol City, and 3 km from Rayon Center - Kyzyl-Suu City. From the nearest "Balykchi" railway station the distance makes 190 km, and from Bishkek - 380 km.

The WUA command area makes 5275 ha, from which 4,536 ha are irrigated, and 739 ha lie fallow. The on-farm irrigation network length makes 86.1 km, from which 23.1 km is lined with reinforced concrete, 63 km - earthen.

In 2015 in accordance with the WUA General Assembly decision, two WUAs ("Belsovkhov" - 3487 ha and "Shybag" - 1,788 ha) were merged into one "Belsovkhov" WUA based on the hydrographic principle with a total service area - 5,275 ha.

In accordance with the Form No. 2 to be submitted to IDA, under this Subproject it is foreseen to carry out mechanical cleaning for 2 DSRs and 4 earth canals, rehabilitation of 1 head water intake structure, construction of 8 lateral water intake facilities, 260 water outlets, 17 hydroposts, 2 energy dissipater - wells, 12 crossing bridges, 52 culverts, 1 junction – drop structure at the canal at the inlet to the Daily Storage Reservoir (DSR), 5 control structures, including lining the canal with monolithic concrete 4,298 km, with parabolic chutes -18,419 km, alignment of L-shaped blocks - 6,643 km along the WUA on-farm canals.



“Bartal” On-farm canal

“Kur-Tash” WUA

In accordance with design implementation schedule, the development of working documentation and drawings for the Sub-project “Rehabilitation of “Kur-Tash” WUA Irrigation System in Aravan Rayon, Osh Oblast” have been completed, including the development of Form No, 2 to be submitted to IDA. The Sub-project includes the following canals:

- It is expected to carry out the lining of 227 m at X-1 on-farm canal, strengthening the slopes with kerbs along 30 meters, construction of the training wall, 3 outlets, water-drop well, aqueduct, “fixed bed” hydropost and culvert with outlet.
- It is expected to carry out the lining of 260 m at X-1 on-farm canal, construction of the training wall, 3 outlets, water-drop well, aqueduct, “fixed bed” hydropost and 2 culverts.
- It is expected to carry out the lining of 427 m at X-2-1 on-farm canal, construction of 3 swivel and distribution wells, construction of the crossing bridge.
- At X-2-2 on-farm canal it is foreseen to construct 577 m lining, outlet and swivel and distribution wells.
- At X-2-3 on-farm canal it is foreseen to construct 211 m of lining, including construction of a distribution well and junction of the concrete section.
- At X-3 on-farm canal it is foreseen to construct 555-meter of lining.
- At X-6 on-farm canal it is foreseen to construct 780 m of lining.
- It is expected to carry out the lining of 5144 m at X-6-1 on-farm canal, construction of 9 water outlets, a swivel well, a hydropost, a culvert and the crossing bridge.
- At X-6-1-1 on-farm canal it is foreseen to construct 650 m of lining.
- At X-7 on-farm canal it is foreseen to construct 5271 m lining, the protection embankment, the water distribution facility, 2 controlling structures, 9 water outlets, an aqueduct and culverts.
- At X-7-6 on-farm canal it is foreseen to construct 624 m of lining and 2 outlets.
- At the X-7-7 on-farm canal it is expected to construct syphon, the conjunction at concrete section with an earthen canal and culvert, including lining of 257 m for the supplying and diversion parts of the siphon – 257 m.
- At the X-7-7-1 on-farm canal it is expected to carry out lining – 1168 m, construction of 2 water outlets, “fixed bed” hydropost and culvert with a well

Preparation of certification documents for the WUA (Agreement on payback of 25% credit for rehabilitation, certificates on command areas and others) was completed, the meeting with "Kur-Tash" WUA zonal representatives was held, where they have voted to payback 25% of the rehabilitation loan.



Topographical Survey for “Kur-Tash” WUA On-farm canals

“Djalaldy- Uzgen” WUA

In accordance with the design work implementation schedule, the development of working documentation and drawings for the Sub-project “Rehabilitation of “Djalaldy-Uzgen” WUA Irrigation System in Uzgen Rayon, Osh Oblast” have been completed, including the development of Form No. 2 to be submitted to IDA. The Sub-project includes the following canals:

- At Kozu-Uulu off-farm canal it is expected to construct siphon from steel pipes with length of 369 m across the Zerger River bed.
- At the diversions from the Kozu-Uulu off-farm canal it is planned to construct the distribution well, 2 diversions, the pipe outlet with a distribution well, a pressure basin with water outlet and culvert.
- At the diversions from the Atamkul – 1 off-farm canal, construction of 3 water outlets, diversion, 2 conjunction sections, 3 culverts, the tale discharge structure, and discharge facility.
- At the Kara-Zhigach-1 on-farm canal it is foreseen to construct a head regulator, a water outlet, "fixed bed" hydropost, 6 culverts.
- At the Kara-Zhigach-2 on-farm canal it is planned to carry out the mechanical cleaning along the section with length of 1628 m, construction of a head structure, a water outlet, culvert with a water outlet, a discharge structure with the crossing bridge.

Preparation of certification documents for the WUA (Agreement on payback of 25% credit for rehabilitation, certificates on command areas and others) was completed, the meeting with “Djalaldy-Uzgen” WUA zonal representatives was held, where they have voted to payback 25% of the rehabilitation loan.



Topographical Survey for “Djalaldy-Uzgen” WUA

“Taimonku” WUA

In accordance with the design work implementation schedule, the topographic survey for the following canals under the Sub-project “Rehabilitation of “Taimonku” WUA Irrigation System in Nooken Rayon, Jalalabad Oblast had been carried out:

- Section from HM 3 + 70 to HM 5 + 35
- Section from HM 16 + 30 to HM 18 + 48
- Section from HM 61 + 92 to HM 62 + 41

Based on the topographic survey data, during the current Quarter the development of working drawings and estimation of construction work scope was carried out:

For the Taimonku on-farm canal:

- longitudinal profile from HM46 + 62 to HM 56 + 10
- cross-section profiles from HM 46 + 62 to HM56 + 10
- controlling structure at HM8 + 63
- crossing bridge at HM18 + 98
- Two-way water outlet at HM 25 + 50.

The "Taimonku" WUA is located 55.0 km from the Jalal-Abad city, within the territory of Sakalda Ayil Okmotu of the Nooken Rayon, Jalalabad Oblast. The special feature of this WUA is that the Taimonku main on-farm canal implements a transit function - it transports water from the Pravaya Vetka 13 off-farm canal to the secondary on-farm canals. The earth bed of the Taimonku Canal is in gravel and pebble soils, as a result of which significant filtration water losses can be observed there, often almost half of water taken is lost. The total length of on-farm canals makes 57.0 km, from which 3.0 km in concrete lining, the remaining 54.0 km are earth.



Topographical Survey for “Taimonku” WUA

“Sulaiman-Suu” WUA

In accordance with the design work implementation schedule, the topographic survey for the following canals under the Sub-project “Rehabilitation of “Sulaiman-Suu” WUA Irrigation System in Ala-Buka Rayon, Jalalabad Oblast had been carried out:

- Bayastan off-farm canal from HM20 + 00 to HM 22 + 50
- Chardana on-farm canal from HM 0 + 00 to HM 4 + 50
- Kotormo on-farm canal from HM 0 + 00 to HM19 + 00

Based on the topographic survey data, during the current Quarter the development of working drawings and estimation of construction work scope was carried out:

1. for the Kosh-Terek-2 off-farm canal:

- longitudinal profile from HM 0+00 to HM5+83 (head section)
- cross-section profiles from HM 0+00 to HM5+83 (head section)
- water intake structure at HM 0+00 (head section)
- swivel-drop well at HM 4+82 (head section)
- “fixed bed” hydropost at HM0+25 (head section)
- longitudinal profile from HM 3+90 to HM7+77 (tail section)
- cross-section profiles from HM 3+90 to HM7+77 (tail section)
- culvert with swivel well at HM3+90 (tail section)
- swivel wells at HM7+54, 7+77 (tail section)

2. for the Jalalkul on-farm canal:

- longitudinal profile from HM 0+00 to HM13+49
- cross-section profiles from HM 0+00 to HM13+49
- outlets with culverts (13 structures)
- culverts at HM3+50, 9+14, 13+43.

3. for the Jolchu on-farm canal:

- longitudinal profile from HM 0+00 to HM14+54
- cross-section profiles from HM 0+00 to HM14+54
- water intake structure with culvert at HM0+00
- open outlets at HM1+86, 4+32, 4+60.

4. for the Andagul on-farm canal:

- longitudinal profile from HM 0+00 to HM5+14
- cross-section profiles from HM 0+00 to HM 5+14
- swivel-drop well with outlet at HM4+30
- “fixed bed” hydropost at HM 0+25.



Topographical Survey for “Sulaiman-Suu” WUA on-farm canals

“Gauyan” WUA

In accordance with the schedule of design works, the development of working documentation and drawings of the subproject "Rehabilitation of the irrigation system of the WUA" Gauyan "in the Kadamjai district of the Batken oblast has been completed, and a Form for submission of IDA No. 2 has been developed.

WUA "Gauyan" is located 53.0 km from the district center of the village of Kadamzhai in the Birlik aiyl district of the Kadamjai district of the Batken region. The peculiarity of this WUA is that it carries out an independent fence from the Gauyan-Sai and Gorota-Say rivers with the help

of on-farm canals Gauyan and Gorota. The upper zone of 1654 hectares (66% of the total area of the WUA) receives water from the Gauyan on-farm canal. The lower zone with an area of 848 hectares (34% of the total area of the WUA) receives water from Gorota's on-farm canal. The total length of on-farm canals is 45.15 km, of which 16.16 km in concrete lining, 18.74 km in ferroconcrete trays, the remaining 10.25 km are in an earthen canal. In accordance with the schedule of design works, the development of working documentation and drawings of the subproject "Rehabilitation of the irrigation system of the WUA" Gauyan" in the Kadamjai district of the Batken oblast has been completed, and a IDA Form for submission # 2 has been developed.

In accordance with the IDA Form for submission # 2, this subproject provides for construction of 20 overflow spillways, 3 gauging stations (hydroposts), 4 well-absorbers, 4 swivel wells, 3 stilling basins, 2 crossing bridges, 4 pipe crossings, 1 rapid flow, 3 swings, 1 aqueduct, 3 transitional sections, 2 terminal dumps, facing with monolithic concrete 14,404 km of the irrigation network of the WUA.

Preparation of design certification documents for the WUA (agreement on the reimbursement of 25% of the rehabilitation loan, certificates of command areas, etc.) was completed, a meeting was held with the zonal representatives of the WUA "Gauyan" who chose the final version of the WUA irrigation system rehabilitation, voted for a reimbursement of 25% of the rehabilitation loan.



Zonal representatives of WUA "Gauyan" choose a rehabilitation option

Aravan-Akbura off-farm canal managed by Osh OVK

According to the schedule of design works in the first quarter of 2017, a field survey of the Aravan-Akbura off-farm canal in Osh oblast was conducted together with specialists from the Osh OVK and the Aravan RVK. On the basis of this survey a Deficiency Act was drawn up and a preliminary scope of rehabilitation works were determined. The topographical survey of the following rehabilitated areas and constructions was performed:

1. Kara-Suu District:

- section from HMM 105+50 to HMM 106+10 with the length of 60m (lining)
- section from MMM 121+00 to HMM 121+20 with the length of 20m (lining)
- syphon from HMM143+20 to HMM 143+40 with the length of 20m (repair)
- section from HMM143+40 to HMM143+65 with the length of 25m (lining)
- aqueduct from HMM 153+50 to HMM 153+99 with the length of 49m (repair)
- section from HMM 153+99 to HMM 156+00 with the length of 201m (lining).

2. Aravan District:

- section from HMM 280+51 to HMM 282+83 with the length of 232m (lining)
- aqueduct from HMM 284+72 to HMM 285+02 with the length of 30m (repair)
- syphon from HMM 311+36 to HMM 312+00 with the length of 64m (repair).

Aravan-Akbura off-farm canal is managed by the Osh OVK and takes water from Aravan-Akbura river with the use of the Aravan-Akbura waterworks facility. The canal was built in 1968, the length of the canal is 31,258 km, the command area is 16114 hectares, the maximum capacity

is 25,0 m³/sec. The Aravan-Akbura canal supplies the water to WUAs “Japalak”, “Jany-Aryk” (both were rehabilitated under OIP-1 project), “Insan”, “Myrza-Ajy” (rehabilitated under OIP-2 project), “Joypas” and “Jany-Aravan”.



Field survey of Aravan-Akbura off-farm canal

Levaya Magistral off-farm canal managed by Jalal-Abad OVK

According to the schedule of design works in the first quarter of 2017, a field survey of the Levaya Magistral off-farm canal in Suzak district (Jalal-Abad oblast) was conducted together with specialists from the Jalal-Abad OVK and the Suzak RVK. On the basis of this survey a Deficiency Act was drawn up and a preliminary scope of the following rehabilitation works were determined.

1. Levaya Magistral off-farm canal:

- outlet structure on HMM 58+48 with the length of 54m (repair)
- discharge section to Kok-Yangak-Say river with the length of 600m (sediment removal).

2. Dimitrov-1 off-farm canal:

- headwork on HMM 0+00 (new construction)
- hydropost "fixed bed" on HMM 0+04 (new construction)
- section from HMM 0+24 to HMM 1+24 with the length of 100m (lining).

3. Dimitrov-2 off-farm canal:

- Headwork on HMM 0+00 (water-gate replacement)
- Swivel well on HMM 0+04 (new construction)
- Hydropost "fixed bed " on HMM 0+07 (new construction)
- Section from HMM 0+27 to HMM 1+61 with the length of 134m (lining)
- Pipe crossings on HMM 1+01 and HMM 1+61 (crowns of tubes).

Levaya Magistral off-farm canal is managed by the Suzak RVK and takes water from Kugart river through Kugart Dam. The canal was built in 1956. In 2007-2008, the front section was rehabilitated under Water Management Improvement Project (WMIP). The total length of the canal is 12,7 of which 12.0 km in concrete lining, the remaining 0.7 km in the earthen channel. The command area is 4317 ha and the maximum capacity is 7,0 m³/sec. The Levaya Magistral canal supplies water to the following WUAs “Shaymerden-Suu” (rehabilitated under OIP-2 AF), “Tushum-Suu” (rehabilitated under OIP-1), “Tash-Bulak-Suu” and “Changet-Say” (rehabilitated under OIP -2).



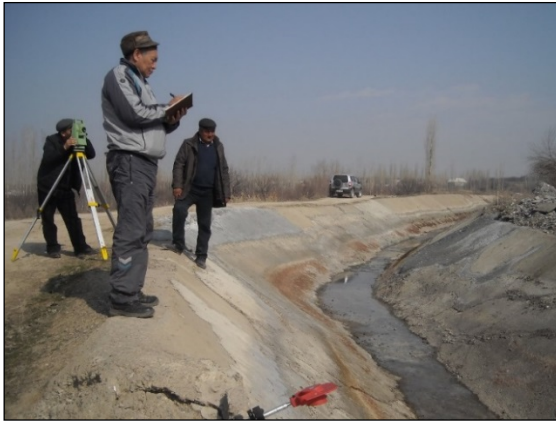
Field survey of the Levaya Magistral off-farm canal

Kojo-Kayir off-farm canal managed by Batken OVK

According to the schedule of design works in the first quarter of 2017, a field survey of the Kojo-Kayir off-farm canal in Kadamjay district (Batken oblast) was conducted together with specialists from the Kadamjay RVK. On the basis of this survey a Deficiency Act was drawn up and a preliminary scope of following rehabilitation works were determined. The topographical survey of the rehabilitated areas and constructions was performed:

- Section from HMM 41+18 to HMM 42+50 with the length of 132m (lining)
- Section from HMM 47+52 to HMM 47+86 with the length of 34m (lining)
- Section from HMM 51+42 to HMM 52+04 with the length of 62m (lining)
- Overflow spillways on HMM 55+68, 55+73, 67+50 (water-gate replacement)
- Section from HMM 58+30 to HMM 58+80 with the length of 50m (lining)
- Section from HMM 60+40 to HMM 60+90 with the length of 50m (lining)
- Section from HMM 61+20 to HMM 61+70 with the length of 50m (lining)
- Section from HMM 73+04 to HMM 73+92 with the length of 88m (lining)
- Section from HMM 78+60 to HMM 78+80 with the length of 20m (lining)
- Section from HMM 101+42 to HMM 102+06 with the length of 64m (lining)
- Section from HMM 122+72 to HMM 124+00 with the length of 128m (lining)
- Overflow spillways on HMM 124+63, 126+13 (water-gate replacement)
- Section from HMM 182+56 to HMM 183+26 with the length of 70m (lining)
- Section from HMM 184+40 to HMM 184+90 with the length of 50m (lining)
- Section from HMM 183+31 to HMM 184+90 with the length of 159m (lining)
- Overflow spillway on HMM 232+24 (water-gate replacement)

The Kojo-Kayir off-farm canal is managed by the Kadamjay RVK and takes water from Isfayram river through the Isfayram-Say headwork. The canal was built in 1966-1967. In 2013, the headwork was rehabilitated under WMIP. The total length of the Kojo-Kayir concrete canal is 31,20 km. The command area is 4868 ha, the maximum capacity is 9,0 m³/sec. The Kojo-Kayir canal supplies water to the following WUAs “Isa-Maryam” (rehabilitated under OIP-2. AF), “Kara-Dobo-Kara-Dobo” and “Kojo-Kayir” (both were rehabilitated under OIP -2).



Topographic survey of Kojo-Kayir off-farm canal

Sub-projects under construction

7 rehabilitation contracts, transferred with the project "Additional financing for the Second On-Farm Irrigation Project", are currently covered by the APNIP. During the 1st quarter of 2017, the unfavorable climatic conditions, low air temperature in January, abundant precipitation in February, with a coat of snow 0.2-0.5 meters, frequent precipitations in March and heavy rainfall in the 1st decade of April 2017, as a whole, strongly interfered with construction work. Despite these conditions, rehabilitation works were resumed in the second half of March.

Detailed information on each contract in monetary terms and in physical units, according to regional engineers, is given in Annex A, Tables 1 to 4.

The description of each object under construction by regions is presented in this report hereinafter.

Rehabilitation of on-farm irrigation network in WUA "Kashka-Suu 4878 Jety-Oguz district, Issyk-Kul oblast, Contract OIP -2 AF/NCB-11

<i>Contractor:</i>	LLC "Avtotransstroy"
<i>Cost of works:</i>	41 346 379 KGS;
<i>Modified cost:</i>	47 619 276 KGS
<i>Period of construction:</i>	October 01, 2014 – March 31, 2017

Works on the site began in October 2014. As of April 1, 2017, the implementation amounted to 44 710.8 million soms or 94% of the total cost of works.

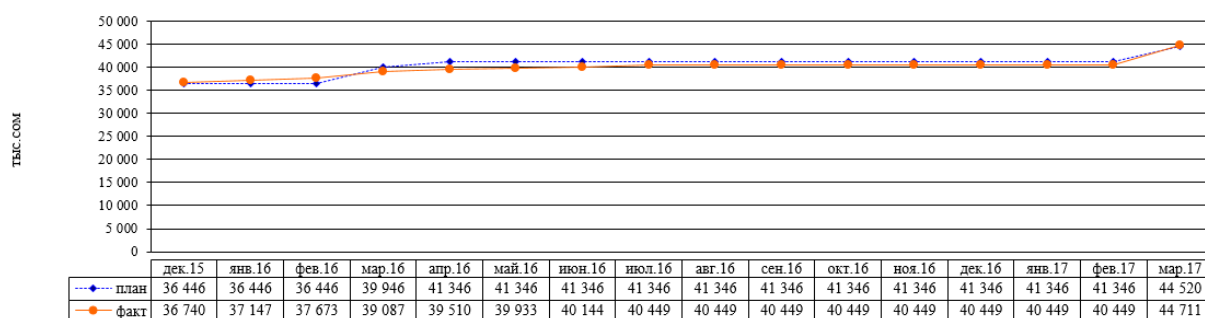
In the first quarter of 2017, the works for the installation of trays LR-40 were carried out at the canal Tuyuk An-3. 182 trays were mounted and excavation work was carried out under the trays.

At the reporting date, the delay is 2.9 million KGS. The reason for the delay is not the timely delivery of trays; the factories have begun to produce reinforced concrete products since February. In the current year, a significant amount of precipitation fell during the winter. In March, due to warming, the melting of snow and thawing of the earth began. On the site, due to dirt, vehicles and mechanisms could hardly move, which adversely affected the pace of work.

Performing work from the first months of construction is shown in the graph below.

The schedule of works in the WUA "Kashka-Suu 4878". The contract (cumulative) cost is 47,619.2 thousand KGS (in blue – planned; in orange - actual)

График выполнения работ в АВП "Кашка-Суу 4878"
стоимость контракта 47 619,2 тыс.сом
(нарастающим итогом)



1. Costs (KGS)

#	Name of canal	Contract cost	Cost on estimated indicator 1	Cost on estimated indicator 2	Completed since the beginning of the implementation	% of implementation
On-farm network						
1	Canal Tuyuk-An	15 178 259	16 267 417	18 831 103	17 049 225	91%
2	Canal Kavak	205 746	205 746	269 348	269 348	100%
3	Canal Usup Bayloo	205 406	286 961	315 743	315 743	100%
4	Canal Cheke-Chavar	195 674	195 674	195 674	195 674	100%
5	Right branch of Cheke Chavar canal #1	205 406	205 406	205 406	205 406	100%
6	Right branch of Cheke Chavar canal #2	335 153	335 154	335 154	335 154	100%
7	Canal Sokur Kuduk	125 748	71 658	71 658	71 658	100%
8	Canal Sadovoe	8 819 514	6 227 783	6 227 783	5 658 212	91%
9	Left branch of Cheke Chavar canal # 1	151 316	151 316	151 316	151 316	100%
10	Left branch of Cheke Chavar canal # 2	226 974	226 974	226 974	226 974	100%
11	Canal Galushkin	4 035 756	2 685 068	2 700 317	2 685 068	99%
12	Canal Galushkin -1	260 075	2 000 406	2 000 406	2 000 406	100%
13	Canal Galushkin -2	335 683	1 408 618	1 408 619	1 408 619	100%
14	Daily run-off pond canal (BSR)	205 646	151 216	151 216	151 216	100%
15	Canal Kun-Chygysh	4 440 653	4 507 612	4 571 215	4 571 215	100%
16	Canal Asan Bayloo	75 658	75 658	75 658	75 658	100%
17	Canal Kara-Suu	378 290	378 290	378 290	378 290	100%
18	Canal Tuyuk-An, right branch #3			3 133 634	2 945 604	94%
19	Mechanical cleaning of daily run-off pond	2 317 549	2 317 549	2 361 366	2 321 161	98%
	Total for on-farm network	37 698 506	37 698 506	43 610 880	41 015 947	98%
Off-farm network						
20	Canal Chake-Chavar	3 197 873	3 197 873	3 558 291	3 447 812	97%
	Total for off-farm network	3 197 873	3 197 873	3 558 291	3 447 812	97%
	Primary collateral	450 000	450 000	450 000	247 000	55%
	Total for the Site	41 346 379	41 346 379	47 619 171	44 710 759	94%

2. Materials

#	Name of canal	Excavation earthwork, m³			Concrete and reinforce concrete works, m³		
		Planned	Actual	%	Planned	Actual	%
	On-farm network						
1	Canal Tuyuk-An	11472	9448	82%	1090	1090	100%
2	Canal Kavak	116	116	100%	5,8	5,8	100%
3	Canal Usup Bayloo	116	116	100%	8,7	8,7	100%
4	Canal Cheke-Chavar	44	44	100%	59.3	59.3	100%

#	Name of canal	Excavation earthwork, m ³			Concrete and reinforce concrete works, m ³		
		Planned	Actual	%	Planned	Actual	%
5	Right branch of Cheke Chavar canal #1	118	118	100%	8,8	8,8	100%
6	Right branch of Cheke Chavar canal #2	2326	2326	100%	85,7	85,7	100%
7	Canal Sokur Kuduk	15	15	100%	6,9	6,9	100%
8	Canal Sadovoe	3166	2611	82%	321,5	265,0	83%
9	Left branch of Cheke Chavar canal # 1	15	15	100%	3,0	3,0	100%
10	Left branch of Cheke Chavar canal # 2	15	15	100%	6,2	6,2	100%
11	Canal Galushkin	2213	2213	100%	157,2	157,2	100%
12	Canal Galushkin -1	2038	2038	100%	90,8	90,8	100%
13	Canal Galushkin -2	919	919	100%	65,8	65,8	100%
14	Daily run-off pond canal (BSR)	30	30	100%	3,2	3,2	100%
15	Canal Kun-Chygysh	6510	6510	100%	177,8	177,8	100%
16	Canal Asan Bayloo	15	15	100%	1,6	1,6	100%
17	Canal Kara-Suu	75	75	100%	8	8	100%
18	Canal Tuyuk-An, right branch #3	3913	2500	64%	109,1	71	74%
19	Mechanical cleaning of daily run-off pond	39773	39125	98%	10,8	10,8	100%
	Total for on-farm network	72889	68249	94%	2220,2	2125,6	95%
	Off-farm network						
20	Canal Chake-Chavar	700	369	53%	499	489	98%
	Total for off-farm network	700	369	53%	499	489	98%
	Total for the Site	73 589	68 618	93%	2719,2	2614,6	96%

3. Constructions

#	Name of canal	Overflow spillways, pcs			Pipe crossings, pcs		
		Planned	Actual	%	Planned	Actual	%
	On-farm network						
1	Canal Tuyuk-An	19	17	100%	7	5	66%
2	Canal Kavak	2	2	100%	1	1	100%
3	Canal Usup Bayloo	2	2	100%	1	1	100%
4	Right branch of Cheke Chavar canal #1	2	2	100%	1	1	100%
5	Right branch of Cheke Chavar canal #2	3	3	100%	2	2	100%
6	Canal Sokur Kuduk	1	1	100%			
7	Canal Sadovoe	6	5	83%	2	2	100%
8	Left branch of Cheke Chavar canal # 1	2	2	100%			
9	Left branch of Cheke Chavar canal # 2	3	3	100%			
10	Canal Galushkin	5	5	100%	1	1	100%
11	Canal Galushkin -1	2	2	100%	2	2	100%
12	Canal Galushkin -2	3	3	100%	2	2	100%
13	Daily run-off pond canal (BSR)	2	2	100%			
14	Canal Kun-Chygysh	5	5	100%	3	3	100%
15	Canal Asan Bayloo	1	1	100%			
16	Canal Kara-Suu	5	5	100%			
17	Mechanical cleaning of daily run-off pond	1	1	100%			
	Total for on-farm network	64	61	96%	22	20	91%
	Off-farm network						
18	Canal Chake-Chavar	5	5	100%			
	Total for off-farm network	5	5	100%			
	Total for the Site	69	66	96%	22	20	91%

***Rehabilitation of on-farm irrigation network in WUA “Alagoz-Kaba”,
Ton district, Issyk-Kul oblast, Contract OIP-2 AF/NCB-17 Lot #1***

Contractor: LLC “LOI”

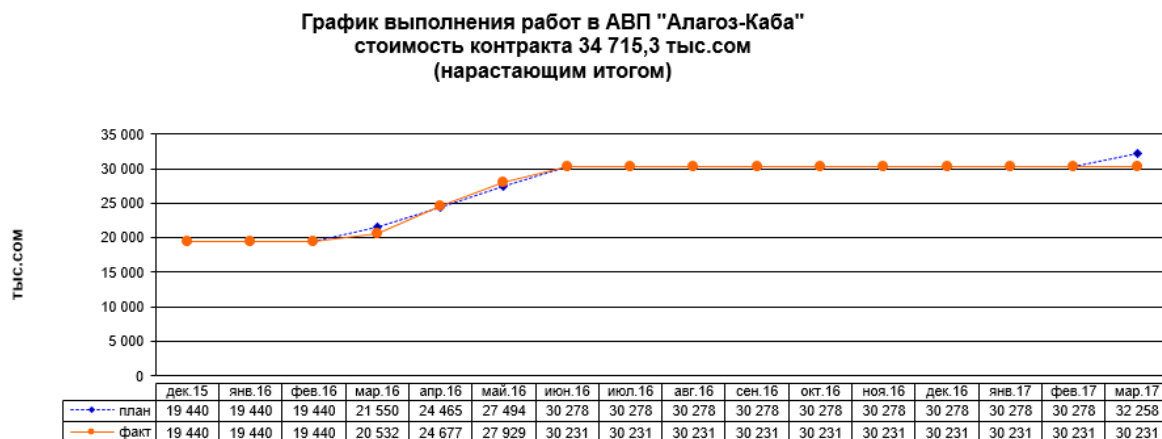
Cost of work: 30 150 639 KGS;
 Modified cost: 34 715 285 KGS
 Period of construction: March 12, 2015 – May 20, 2017

Works on the site began in 2015. Under the Lot #1 for WUA "Alagoz-Kaba", rehabilitation work is carried out on the canal "Chon" and "Chon feeding". As of April 1, 2017, the implementation amounted to 30 231.5 million KGS or 87% of the total cost of work.

Due to unfavorable weather conditions in the 1st quarter of 2017, no work was done on the site.

Performing work from the first months of construction is shown in the graph below.

The schedule of works in the WUA "Alagoz-Kaba". The contract (cumulative) cost is 34,715.3 thousand KGS (in blue – planned; in orange - actual)



1. Costs (KGS)

#	Name of canal	Cost on estimated indicator 1	Cost on estimated indicator 2	Completed since the beginning of the implementation	% of implementation
	On-farm network				
1	Canal Chon (feeding) from HMM0+00 to HMM 6+06	2 947 229	2 947 229	2 344 248	80%
2	Canal Chon from HMM6+06 to HMM 61+08	26 281 010	30 812 090	26 931 333	87%
	Primary collateral	922 400	955 966	955 966	100%
	Total for the Site	30 150 639	34 715 285	30 231 547	87%

2. Materials

#	Name of canal	Excavation earthwork, m ³			Concrete and reinforce concrete works, m ³		
		Planned	Actual	Planned	Actual	Planned	Actual
	On-farm network						
1	Canal Chon (feeding) from HMM0+00 to HMM 6+06	1346	1310	97%	283,2	283,2	100%
2	Canal Chon from HMM6+06 to HMM 61+08	33014	32222	97%	4052,4	3939	97%
	Total for the Site	34360	33532	98%	4335,6	4222,2	97%

3. Constructions

#	Name of canal	Overflow spillways, pcs			Bridge crossings, pcs		
		Planned	Actual	%	Planned	Actual	%
	On-farm network						
1	Canal Chon (feeding) from HMM0+00 to HMM 6+06	1					
2	Canal Chon from HMM6+06 to HMM 61+08	61	22	36%	4	3	75%
	Total for the Site	62	22	35%	4	3	75%

Rehabilitation of on-farm irrigation network in WUA "Alagoz-Kaba", Ton district, Issyk-Kul oblast. Contract OIP -2 AF/NCB-17 LOT #2

Contractor: LLC "Tenechim"
Cost of work: 22 284 988 KGS;
Modified cost: 25 577 008 KGS
Period of construction: March 13, 2015 – May 10, 2017

Works on the site began in March 2015. As of April 1, 2017, the implementation amounted to 24,934 million KGS or 97% of the total cost of work.

In the 1st quarter of 2017, work was not carried out due to unfavorable weather conditions.

Performing work from the first months of construction is shown in the graph below.

The schedule of works in the WUA "Alagoz-Kaba". The contract (cumulative) cost is 25,577.0 thousand KGS (in blue – planned; in orange - actual)



1. Costs (KGS)

#	Name of canal	Cost on estimated indicator # 3	Completed since the beginning of the implementation	% of implementation
	On-farm network			
1	Canal Ak-Kyrchoo	2452541	2440870	95%
2	Canal from X-1 to X-13	9239369	9214547	99%
3	Canal X-14 upstream, operation road	1736783	1736783	100%
4	Canal X-14 downstream	883636	993270	112 %
5	Canal X-14 right	406774	406774	100%
6	Canal X-14 left	406774	406774	100%
7	Canal Bar-Bulak right	1088280	1090430	100%
8	Canal Bar-Bulak left	1930043	1930043	100%
9	Canal Kok	1595873	1595870	100%

#	Name of canal	Cost on estimated indicator # 3	Completed since the beginning of the implementation	% of implementation
10	Canal U-1	297314	297314	100%
11	Canal U-2	309039	309040	100%
	Total for on-farm network	20346426	20421715	99%
	Off-farm network			
1	Off-farm canal Ala-Goz	4 089 782	3 376 095	83%
	Total for off-farm network	4 089 782	3 376 095	83%
	Primary collateral	1 140 800	1 135 800	99%
	Total for the Site	25 577 008	24 933 610	97%

2. Materials

#	Name of canal	Excavation earthwork, m ³			Concrete and reinforce concrete works, m ³		
		Planned	Actual	%	Planned	Actual	%
	On-farm network						
1	Canal Ak-Kyrchoo	2032	2032	100%	104	45	43%
2	Canal from H-1 to H-13	893	820	91%	808,6	737	91%
3	Canal H-14 upstream, operation road	35	35	100%	35,3	34,1	96%
4	Canal H-14 downstream	90	90	100%	76,6	57	74%
5	Canal H -14 right	3430	2850	83%	102,5	56,6	55%
6	Canal H -14 left	4850	3550	73%	107,4	92,1	86%
7	Canal Bar-Bulak right	60	60	100%	58	56,8	97%
8	Canal Bar-Bulak left	150	0		177,5	80	45%
9	Canal Kok	140	0		18,6	6,3	33%
10	Canal U -1	32	16	50%	26,6	14,3	53%
11	Canal U -2	36	36	100%	32	32	100%
	Total for on-farm network	11748	9489	81%	1547,1	1211,2	78%
	Off-farm network						
1	Canal Alagoz –Kaba	2 661	2 284	86%	468,8	311	66%
	Total for off-farm network	2 661	2 284	86%	468,8	311	66%
	Total for the Site	14 409	11 773	82%	2 015,9	1 522,2	76%

3. Constructions

#	Name of canal	Overflow spillways, pcs			Other constructions, pcs		
		Planned	Actual	%	Planned	Actual	%
	On-farm network						
1	Canal Ak-Kyrchoo	16	10	37%			
2	Canal from H -1 to H-13	110	102	92%			
3	Canal H-14 upstream, operation road	4	0				
4	Canal H-14 downstream	2	2	100%			
5	Canal H -14 right	0	0				
6	Canal H -14 left	0	0				
7	Canal Bar-Bulak right	17	12	52%			
8	Canal Bar-Bulak left	20	10				
9	Canal Kok	4	0		2	1	50%
10	Canal U -1	7	7	100%			
11	Canal U -2	6	6	100%			
	Total for on-farm network	186	149	80%	2	1	50%
	Off-farm network						
1	Canal Ala-Goz				2	1	50%
	Total for off-farm network				2	1	50%

#	Name of canal	Overflow spillways, pcs			Other constructions, pcs		
		Planned	Actual	%	Planned	Actual	%
	Total for the Site	186	149	80%	4	2	50%

Rehabilitation of on-farm irrigation network in WUA "Ak-Bulak-Suu"
Alamudun district, Chui oblast, Contract OIP -2 AF/NCB-15

Contractor: LLC "LOI"
Cost of work: 30 426 120 KGS
Modified cost: 33 792 276 KGS
Period of construction: October 01, 2014 – May 10, 2017.

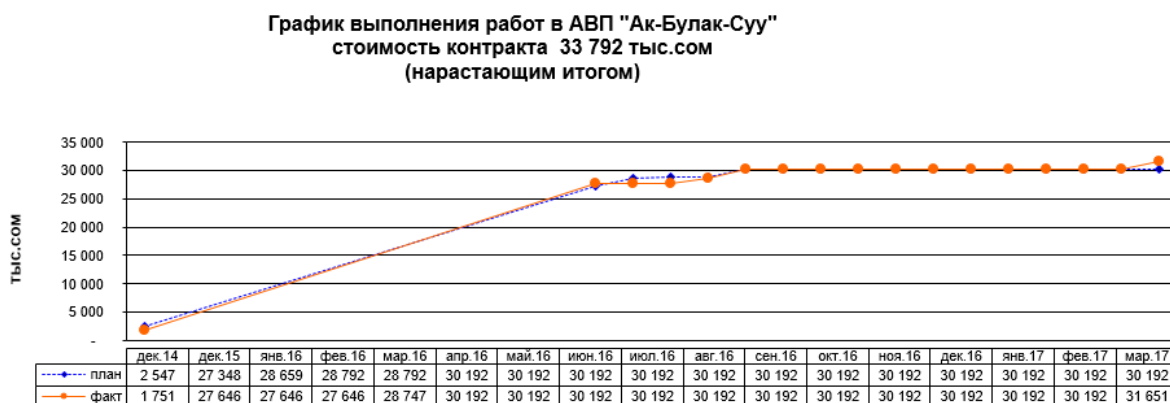
Construction of the site began in November 2014. As of April 1, 2017, the implementation of the site "Rehabilitation of the irrigation network of the WUA Ak-Bulak-Suu" amounted to 31,650,782 KGS, or 94% of the total cost of work.

In the 1st quarter of 2017, rehabilitation works were carried out on the canals H-4-5, H-2-3, H-5-6, H-4-4, H-5-2, H-5-1. 15249 m3 of excavation work was done, 2565.9 m3 of gravel preparation was laid, 2563.9 m3 of solid concrete were laid. The quality of the work is satisfactory.

Выполнение строительных работ в АВП «Ак-Булак-Суу» представлено ниже на графике.

Construction works progress in WUA "Ak-Bulak-Suu" is shown in the graph below.

The schedule of works in the WUA "Ak-Bulak Suu ". The contract (cumulative) cost is 33,792.0 thousand KGS (in blue – planned; in orange - actual)



1. Costs (KGS)

#	Essential works	Costs according to engineering drawings	Costs according to engineering drawings	Costs according to engineering drawings #1	Performed since beginning of the implementation	% of implementation
	On-farm network					
1.	Canal H-2-1	275 951	275 951	237 796	237 796	100%
2.	Canal H -2-2	1 329 226				
3.	Canal H -2-3	447 864	447 864	436 294	365 207	84%
4.	Canal H -2-4	1 237 099				
5.	Canal H -4	2 038 335	6 823 829	7 011 897	6 925 686	99%
6.	Canal H -4-1	2 265 137	2 381 251	2 276 553	2 247 183	99%
7.	Canal H -4-1''	415 138	578 512			
8.	Canal H -4-2	155 563	155 563	155 563	155 563	100%
9.	Canal H -4-3	1 047 285	1 194 135	952 878	952 878	100%

#	Essential works	Costs according to engineering drawings	Costs according to engineering drawings	Costs according to engineering drawings #1	Performed since beginning of the implementation	% of implementation
10.	Canal H -4-4''	281 320	281 320	281 320	176 342	63%
11.	Canal H -4-4	3 379 422	3 379 422	3 896 770	3 276 561	84%
12.	Canal H -4-5	2 220 441	2 220 441	2 439 094	1918098	78%
13.	Canal H -4-6	1 340 787	1 340 787	1 549 906	1 429 074	92%
14.	Canal H -4-7	873 557	873 557	737 649	737 649	100%
15.	Canal H -5	1 202 928	3 427 294	3 409 508	3 409 508	100%
16.	Canal H -5-1	623 653	623 653	607 461	607461	100%
17.	Canal H -5-2	371 868	371 868	353 677	285692	81%
18.	Canal H -5-3	360 908	111 538	8 470		
19.	Canal H -5-4	213 917	213 917	142 142	59 976	42%
20.	Canal H -5-4-1	24 667	24 667	24 667		
21.	Canal H -5-5	175 047	175 047	49 119	40 649	83%
22.	Canal H -5-5-1	194 705	194 705	102 169	102 169	100%
23.	Canal H -5-5-2	13 338	13 338	13 338		
24.	Canal H -5-5-3	25 290	25 290	3 150		
25.	Canal H -5-6	3 295 883	3 295 883	3 511 352	3 471 463	99%
26.	Canal H -5-7	1 203 856	1 203 856	1 279 342	1 203 856	94%
27.	Canal H -1-1	1 090 405				
28.	Canal H -3-3	2 309 509	3 603 988	3 757 561	3 515 071	94%
	Total for on-farm network	28 413 099	33 237 676	33 237 676	31 117 882	94%
	Off-farm network					
29.	Canal R-1	1 458 421				
	Total for off-farm network	1 458 421				
	Primary collateral	554 600	554 600	554 600	532 900	96%
	Total for the Site	30 426 120	33 792 276	33 792 276	31 650 782	94%

2. Materials

#	Name of canal	Excavation earthwork, m³			Concrete and reinforce concrete works, m³		
		Planned	Actual			Planned	Actual
On-farm network							
1.	Canal H-2-1	400	400	100%	129,3		
2.	Canal H -2-2	695			142,9		
3.	Canal H -2-3	213	213	100%	33,6	33,6	100%
4.	Canal H -2-4	610			112,3		
5.	Canal H -4	506	450	89%	144,3	144,3	100%
6.	Canal H -4-1	1 122	1 122	100%	260	260	100%
7.	Canal H -4-1''	340			2,9		
8.	Canal H -4-2	41	41	100%	18	18	100%
9.	Canal H -4-3	520	520	100%	108,1	108,1	100%
10.	Canal H -4-4''	78			0		
11.	Canal H -4-4	3 680	3 480	94%	379,6	370	97%
12.	Canal H -4-5	1 010	1 010	100%	221,7	218	98%
13.	Canal H -4-6	650	650	100%	152	152	100%
14.	Canal H -4-7	440	440	100%	62,3	62,3	100%
15.	Canal H -5	320	320	100%	70,4	70,4	100%
16.	Canal H -5-1	360	360	100%	50,2	50,2	100%
17.	Canal H -5-2	225	225	100%	31	31	%
18.	Canal H -5-3	217			31,2		
19.	Canal H -5-4	195	195	100%	19	19	100%

#	Name of canal	Excavation earthwork, m ³			Concrete and reinforce concrete works, m ³		
		Planned	Actual			Planned	Actual
20.	Canal H -5-4-1	361	179	49%	9,1		
21.	Canal H -5-5	0	0		0		
22.	Canal H -5-5-1	361	361	100%	9,1	9,1	100%
23.	Canal H -5-5-2	0	0		0		
24.	Canal H -5-5-3	0	0		0		
25.	Canal H -5-6	3 380	3 380	100%	363	363	100%
26.	Canal H -5-7	630	630	100%	99,6	99,6	100%
27.	Canal H -1-1	591	0		0		
28.	Canal H -3-3	1 273	1 273	100%	193,6	180,6	93%
	Total for on-farm network	18 218	15 249	84%	2 643,2	2 190	83%
	Total for the Site	18 218	15 249	84%	2 643,2	2 190	83%

3. Constructions

#	Essential works	Overflow spillways, pcs.			Pipe crossings, pcs.			Hydroposts, pcs.		
		Planned	Actual	%	Planned	Actual	%	Planned	Actual	%
On-farm network										
1	Canal H-2-1	5								
2	Canal H -2-2	4						1		
3	Canal H -2-3	12	7	8%	1					
4	Canal H -2-4	5			2			1		
5	Canal H -4							1		
6	Canal H -4-1	7	7	100%						
7	Canal H -4-1''	4								
8	Canal H -4-2				1	1	100%			
9	Canal H -4-3	5	4	40%						
10	Canal H -4-4''	13	6							
11	Canal H -4-4	11	11	100%	2					
12	Canal H -4-5	12	8	25%	2					
13	Canal H -4-6	4	4	100%		1				
14	Canal H -4-7	6	4		1	1	100%			
15	Canal H -5	1	1	100%				1		
16	Canal H -5-1	3	2		1					
17	Canal H -5-2	3	2		1					
18	Canal H -5-3	2	2							
19	Canal H -5-4	1	1							
20	Canal H -5-4-1	1	1	100%	1					
21	Canal H -5-5	1	1							
22	Canal H -5-5-1									
23	Canal H -5-5-2									
24	Canal H -5-5-3									
25	Canal H -5-6	13	13	100%	3	3	100%			
26	Canal H -5-7	9	9	100%						
27	Canal H -1-1	7	6					1		
28	Canal H -3-3	7	6	71%	1	1	100%	1	1	100%
	Total for on-farm network	134	57	41%	16	7	50%	6	1	16%
	Total for the Site	134	57	41%	16	7	50%	6	1	16%

Rehabilitation of on-farm irrigation network in WUA "Taldy-Bulak"
Talas district, Talas oblast, Contract OIP -2 AF/NCB-13

Contractor:

Consortium "Don"

Cost of work: 19 992 915 KGS
 Modified cost: 22 345 800 KGS
 Period of construction: November 10, 2014 – May 25, 2017.

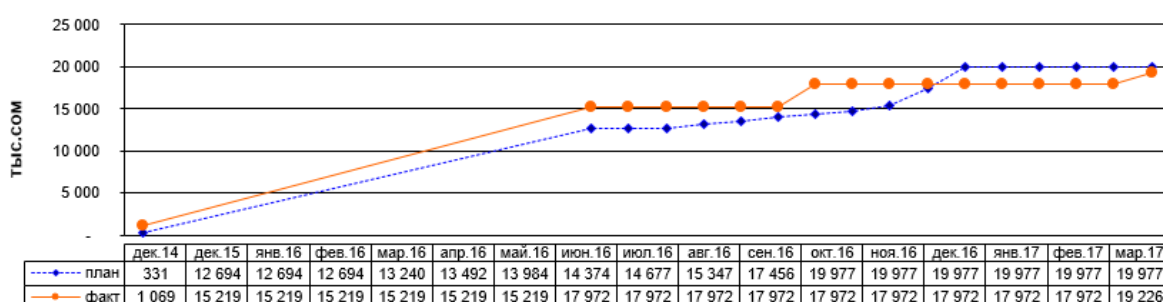
Construction of the site began in November 2014. As of April 1, 2017, the implementation amounted to 19,226.7 thousand KGS or 86% of the total cost of works.

In the 1st quarter of 2017, rehabilitation works were not carried out due to unfavorable climatic conditions, low air temperature in January, abundant precipitation in February, with a cover of 0.2-0.5 meters, frequent precipitation in March.

Works progress by months is shown in the graph below.

The schedule of works in the WUA "Taldy-Bulak ". The contract (cumulative) cost is 22,345.0 thousand KGS (in blue – planned; in orange - actual)

График выполнения работ в АВП "Талды-Булак"
 стоимость контракта 22 345,8 тыс.сом
 (нарастающим итогом)



1. Cost (KGS)

#	Name of canal	Tender cost	Cost for a working project	Cost for a working project #2	Performed since the beginning of the implementation	% of implementation
	Primary collateral	330 575	330 575	330 575	327 674	99%
	On-farm network					
1	Canal Orto-Koshoy	8 031 126	8 031 126	8 510 426	7 445 458	87%
2	Canal Uch-Koshoy	5 154 649	5 154 649	5 841 806	4 996 456	86%
3	Canal Ak-Korgon	6 476 565	6 476 565	7 663 043	6 457 204	84%
	Total for on-farm canals	19 662 340	19 662 340	22 015 275	18 899 118	86%
	Total for the Site	19 992 915	19 992 915	22 345 850	19 226 792	86%

2. Materials

#	Name of canal	Excavation earth works, m³			Concrete and reinforced concrete works, m³			Placed riprap, m³		
		Planned	Actual	%	Planned	Actual	%	Planned	Actual	%
1	Canal Orto-Koshoy	8219,8	8219,8	100%	532	512	96%	697	500	72%
2	Canal Uch-Koshoy	2116	2116	100%	463	463	100%			
3	Canal Ak-Korgon	2663,2	2663,2	100%	697	650	93%	1	1	100%
	Total for the Site	12999	12999	100%	1692	1625	96%	698	501	72%

3. Constructions

#	Name of canal	Overflow spillways, pcs			Other constructions, pcs			Hydroposts, pcs		
		Planned	Actual	%	Planned	Actual	%	Planned	Actual	%
1	Canal Orto-Koshoy	9	6	67%	7	5	71%	1		
2	Canal Uch-Koshoy	6	6	100%	5	5	100%			
3	Canal Ak-Korgon	7	7	100%	2	2	100%	1	1	100%
	Total for the Site	22	19	86%	14	12	86%	2	1	50%

***Rehabilitation of on-farm irrigation network in WUA "Jany-Aryk-SA"
Nooken district, Jalal-Abad oblsat, Contract OIP-2 AF/NCB-10***

Contractor: Consortium "Jalal-Abad SPMK"
Cost of works: 39 232 119 KGS
Modified cost: 41 980 178 KGS
Modified cost (2): 45 071 686 KGS
Modified cost (3): 47 738 578 KGS
Period of construction: July 01, 2014 – May 25, 2017.

As of April 1, 2017, the implementation of the site amounted to 43,165,733 KGS or 90% of the total cost of works. The construction work are in delay from the work schedule for 4 573 652 KGS or 90.4% of the works. In the current quarter, the implementation amounted to 926,648 KGS, or 16.8% of the schedule of works, due to unfavorable climatic conditions in January-March 2017.

In the first quarter of 2017, the following works were carried out at the site:

1. Installation of monolithic concrete in the bottom and slopes from HMM 40 + 35 to HMM 42 + 00 with a length of 165 m; construction of the operational road from HMM 40 + 00 to HMM 51 + 00 with a length of 1100 m; and the installation of a water well on HMM 47 + 26 were carried out on the Kelechek on-farm canal.

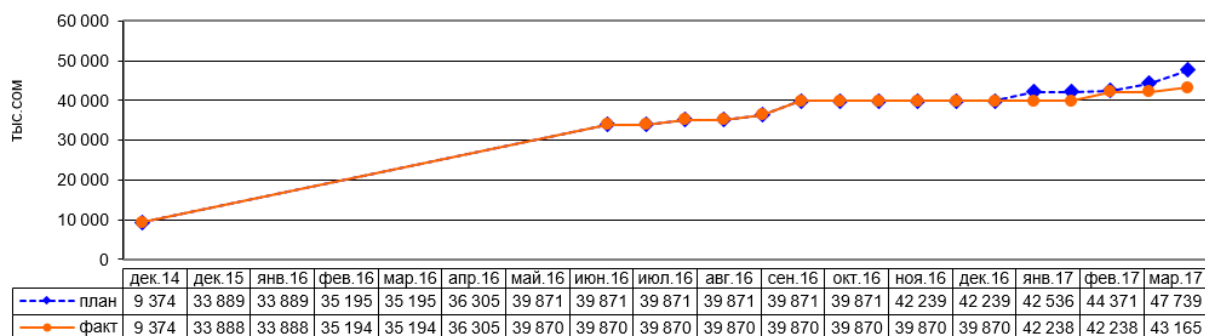


On-farm canal Kelechek (before and after rehabilitation)

Works performance by months since the beginning of the construction is shown in the graph below.

The schedule of works performance in the WUA "Jany-Aryk-SA ". The contract (cumulative) cost is 47,738.6 thousand KGS (in blue – planned; in orange - actual)

График выполнения работ в АВП "Жаны-Арык-СА"
Стоимость контракта 47 738,6 тыс.сом
(нарастающим итогом)



Execution of works in monetary terms and in physical volumes by sites is given in the tables below.

1. Costs (KGS)

#	Name of canals	Tender cost	Cost for a working project # 1	Cost for a working project # 2	Cost for a working project # 3	Cost for a working project # 4	Performed since the beginning of implementation	% of implementation
	Primary collateral	395 400	395 400	470 182	470 182	470 182	424 582	90%
	Off-farm network							
1	PBMSK	1 788 754	1 788 754	1 788 754	2 009 241	4 458 177	4 401 362	99%
	Total for off-farm canals	17 88 754	17 88 754	1 788 754	2 009 241	4 458 177	4 401 362	99%
	On-farm network							
2	Canal Kelechek	336 87 830	33 687 830	36 143 317	38 761 681	38 761 681	35 825 340	92%
3	Canals R-2, R-3, R-4, R-5, R-6, R-7, R-8	170 986	170 986	170 986	170 986	170 986	100 846	59%
4	Canal Kulmat	6 661	6 661	6 661	6 661	6 661	3 924	59%
5	Canal Jany-Kyshtak	12 135	12 135	12 135	12 135	12 135	7 154	59%
	Total for on-farm canals	33 877 612	33 877 612	36 333 099	38 951 463	38 951 463	35 937 264	92%
	Unforeseen expenses - 10% of rehabilitation expenses	3 566 637	3 566 637	3 812 185	4 096 070	4 340 964	2 838 543	65%
	Total for WUA	39 628 403	39 628 403	42 404 220	45 526 956	48 220 786	43 601 751	90%
	<i>Cost decrease 1%</i>	<i>396 284</i>	<i>396 284</i>	<i>424 042</i>	<i>455 270</i>	<i>482 208</i>	<i>436 018</i>	<i>90%</i>
	Total for the Site	39 232 119	39 232 119	41 980 178	45 071 687	47 738 578	43 165 733	90%

2. Materials

#	Name of canals	Excavation earthworks, m ³			Concrete and reinforced concrete works, m ³			Gravel bed, m ³		
		Planned	Actual	%	Planned	Actual	%	Planned	Actual	%
1	Main canal PBMSK	6 662,8	6662,8	100%	266,6	266,6	100%	125	125	100%
2	Canal Kelechek	96 044	91235,7	94%	3 086,3	2907,6	94%	2 988,4	2 851,2	95%
	Total for the Site	102 706,8	97898,5	94%	3 352,9	3174,2	94%	3 113,4	2 976,2	96%

3. Constructions

#	Name of canals	Overflow spillways, pcs.			Other constructions, pcs.			Hydroposts, pcs.		
		Planned	Actual	%	Planned	Actual	%	Planned	Actual	%
1	Main canal PBMSK				2	2	100%			
2	Canal Kelechek	14	8	57%	15	12	80%	1	1	100%
3	Canals R-2, R-3, R-4, R-5, R-6, R-7, R-8	7								
4	Canal Kulmat	1								
5	Canal Jany Kyshtak	2								
	Total for the Site	24	8	33%	17	14	82%	1	1	100%

Rehabilitation of on-farm irrigation network in WUA "Myrza-Suu", Bazarkorgon district, Jalal-Abad oblast, Contract OIP -2(AF)/HKT-14

Contractor: OJSC Bazarkorgonayilkurulush
Cost of works: 49 591 001 KGS
Modified cost: 50 542 856 KGS
Modified cost (2): 55 064 004 KGS
Period of construction: October 01, 2014 – April 30, 2017

As of April 1, 2017, the implementation of the site "Rehabilitation of the irrigation network of the WUA "Myrza-Suu" amounted to 52,239.251 KGS, or 94.9% of the total cost of works. Construction works were carried out with a slight lead over the schedule of works for 560,577 KGS or 101.1%. In the current quarter, the implementation amounted to 3,338,272 KGS or 73.6%, which is due to unfavorable climatic conditions in January-March 2017.

In the first quarter of 2017, the following works were carried out at the site:

1. The construction of aqueduct on HMM 8+54, on on-farm canal Seydikum.
2. The monolithic concrete placing on on-farm canal Toychubek, from HMM 19+00 to HMM 24+00, with the length of 500m, was carried out.
3. The construction of the three pipe crossings on the on-farm canal Toychubek, four pipe overflow spillways on HMM15+00, 31+60, 38+85, 41+55, one swivel well on HMM45+45, one bulkhead structure on HMM 5+02, and four inflows into the canal was carried out.

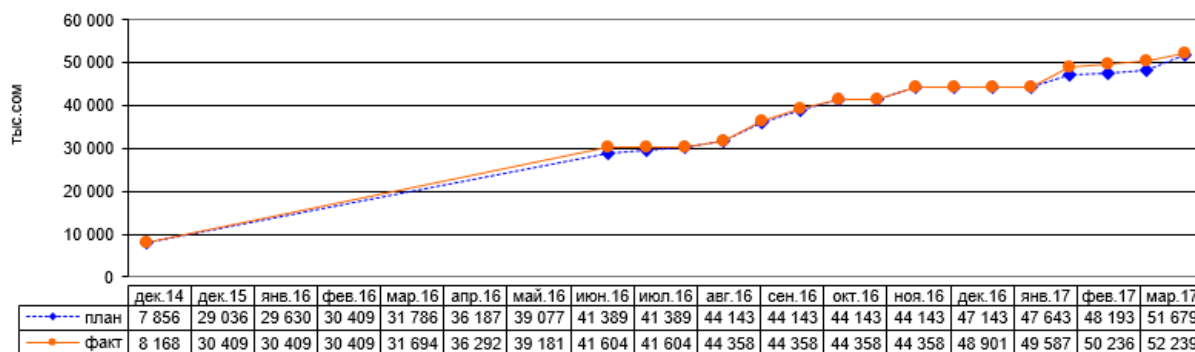


Off-farm canal Levaya Vetka (before and after rehabilitation)

Works performance by months since the beginning of the construction is shown in the graph below.

The schedule of works performance in the WUA "Myrza-Suu ". The contract (cumulative) cost is 55,064.0 thousand KGS (in blue – planned; in orange - actual)

График выполнения работ в АВП "Мырза-Суу"
Стоимость контракта 55 064,0 тыс.сом
(нарастающим итогом)



Execution of works in monetary terms and in physical volumes by sites is given in the tables below.

1. Costs (KGS)

#	Name of canals	Tender cost	Cost for a working project # 1	Cost for a working project # 2	Cost for a working project # 3	Performed since the beginning of implementation	% of implementation
	Primary collateral	1 017 730	1 017 730	1 017 730	811 529	811 529	100%
	Off-farm network						
1	Main canal Levaya Vetka	1 220 957	1 220 957	2 553 292	2 644 742	2 644 742	100%
	Total for off-farm canals	1 220 957	1 220 957	2 553 292	2 644 742	2 644 742	100%
	On-farm network						
2	Canal Seydikum	24 705 666	24 705 666	24 749 093	27 174 782	26 879 792	99%
3	Canal Toychubek	22 646 648	22 646 648	22 222 741	24 432 951	21 903 182	90%
	Total for on-farm canals	47 352 314	47 352 314	46 971 834	51 607 733	48 782 974	95%
	Total for the Site	49 591 001	49 591 001	50 542 856	55 064 004	52 239 245	95%

2. Materials

#	Name of canals	Excavation earthworks, m ³			Concrete and reinforced concrete works, m ³			Gravel bed, m ³		
		Planned	Actual	%	Planned	Actual	%	Planned	Actual	%
1	Main canal Levaya Vetka	1472,9	1472,9	100%	203,3	203,3	100%	198,5	198,5	100%
2	Canal Seydikum	50797	50797	100%	1819	1819	100%	1831	1831	100%
3	Canal Toychubek	39935,7	37162,1	93%	1896,3	1699,1	90%	1903,8	1735,5	91%
	Total for the Site	92205,6	89432	97%	3918,6	3721,4	95%	3933,3	3765	96%

3. Constructions

#	Name of canals	Overflow spillways, pcs.			Other constructions, pcs.			Hydroposts, pcs.		
		Planned	Actual	%	Planned	Actual	%	Planned	Actual	%
1	Main canal Levaya Vetka	3	3	100%	1	1	100%	2	2	100%
2	Canal Seydikum	5	5	100%	9	8	89%			
3	Canal Toychubek	5	4	80%	18	8	44%	11		
	Total for the Site	13	12	92%	28	17	61%	13	2	15%

Component 4 Project Management

This Component will provide funding for staffing and the work of a small project implementation unit within the structure of the Department of Water Resources and Land Improvement, which will be responsible for the ongoing management, administration and coordination of the APNIP, including procurement and financial management.

The PIU office is located in Bishkek, in the building of DWRLI, at 4a Toktonaliev Street. The main PIU staff consists of 6 people. The PIU staff occupies 5 offices: rooms 104, 103, 105, 321.

The allocated funds for this component will cover the payment of consultancy services for PIU specialists, auditing the project, payment for the M&E study, payment for other short-term local consultants, purchasing office equipment for PIU, as well as operating costs of PIU.

From November 15, 2016 to February 15, 2017 and from March 31 to April 12, 2017, 1 Observation Mission of IDA was held in Kyrgyzstan. The main objective of the mission was to work with the Department of Water Resources and Land Improvement (DWRLI) and its Project Implementation Unit (PIU), and the Ministry of Health (MoH) to review the project.

Procurement

The project provides for the following types of procurement: consulting services; goods and works.

The procurement is conducted in accordance with the World Bank's Guidelines on Procurement under IBRD Loans and IDA Credits, May 2014.

Detailed information on procurement from the beginning of the project implementation is given in Annex B.

Information on procurements for the 1st quarter of 2017 is presented below.

Procurements of consultancy services

In the 1st quarter the following types of purchases were made:

- **PIU Director.** Contract number **APNIP/C.4/CS/IC/55 (Beishekeev K.K.)**. Selection method IC (individual consultant). The announcement for this position was posted in the newspaper Vecherniy Bishkek on December 19, 2016. As of December 30, 2016 (the deadline for the submission of proposals), the interest was received from 14 candidates. Based on the results of the evaluation by the tender committee, the contract was awarded to **Beishekeev K.** The contract was signed on January 16, 2017 within the framework of the APNIP.
- **Chief Procurement Specialist, # APNIP/C.4/CS/IC/63-1.** Selection method IC (individual consultant). The announcement for this position was posted in the newspaper Vecherniy Bishkek dated January 27, 2017. On February 10, 2017 (the deadline for submission of proposals), the interest was received from 5 candidates. Based on the results of the evaluation by the tender committee, the contract was awarded to

N.Sharkhekeev. The contract was signed on 30.03.2017 within the framework of the APNIP.

- **Construction Supervision Specialists (5 specialists).** Contract numbers APNIP/C.1/CS/SSS/15-21. Method of selection SSS (from one source). These specialists were transferred by the single source method from the OIP-2 project to the APNIP from February 1, 2017, in connection with the transition of the part of construction works under the APNIP.
- **Irrigation network design engineers (10 specialists).** Contract numbers APNIP/C.1/CS/SSS/01 - 10. Method of selection SSS (from one source). These specialists were transferred by the single source method from the OIP-2 AF project to the APNIP from December 1, 2016, according to the Project Assessment Document and the Procurement Plan for the APNIP.

Financial Management

Accounting system. For financial management of the project, the PIU established accounting system based on the adapted software 1C, which is used for all accounting operations of the project and the creation of all financial reports, including interim Financial Monitoring Reports which are sent to the World Bank on a quarterly basis and are in line with the requirements of the Bank.

1C also creates a preliminary balance sheet at the end of each selected reporting year (month, quarter, year if necessary), which is checked by the financial manager to ensure the accuracy and completeness of accounting transactions. The software is installed in three accounting computers, a chart of project accounts has been developed, basic data has been introduced, daily, in the morning and in the evening, the 1C database is archived on computers in the accounting office and archived on an external hard drive on a weekly basis and stored in a safe.

The PIU has also developed and uses the Administrative and Financial Management Manual with procedures for budget planning, accounting and internal control, reporting and auditing. Procedures for internal control of financial expenses include division of responsibilities for approval of expenses, verification of bank reports with bank accounting, preparation and approval of payroll statements, and regular preparation of reports for various state organizations, as well as reports required under financing contracts.

The financial management and accounting is common to two projects implemented by the Department of Water Resources and Land Improvement: National Water Resources Management Project - Phase 1 and the Agricultural Productivity and Nutrition Improvement Project.

To conduct financial transactions under the project, the Ministry of Finance of the Kyrgyz Republic has opened the necessary accounts in the Central Operation Department of the OJSC Commercial Bank Kyrgystan.

Budget planning and execution.

The project budget for 2017 was signed by the Ministry of Finance of the Kyrgyz Republic for the amount of 5400 thousand US dollars. From this amount, in fact, 200.4 thousand US dollars have been used since the beginning of the year. The project budget for 2017 is planned taking into account the conducted and planned tenders for construction works, as well as the program of consultants input.

The execution of the project budget by years is shown in Table 1 below (in thousands of US dollars).

Table 1

Years	Planned budget	Actual execution	%	(+);(-)
2016	2000,0	541,5	27%	-1458,5
2017	5400,0	200,4	4%	-5199,6
Including the 1st quarter 2017	1100,2	200,4	18%	-899,8

Funding and use of funds

For the 1st quarter of 2017, according to the GAFSP grant TF0A0645-KG, the application #2 was prepared for replenishment of the Special Account for the amount of 541.5 thousand US dollars.

Analysis of project financing by sources and use of funds at the end of Q1 2017 is given in the following table (in thousands US dollars).

Sources of funding and withdrawal of funds	Total funding for the project	Withdrawn funds from the project account by years			Withdrawn from the beginning of the project		Of these, used for payments	
		2016	2017	2018	amount	% of total volume	amount	% to total volume
GAFSP Grant								
<i>Request for the initial advance payment</i>		2000,0			2000,0			
<i>Requests for replenishment</i>			541,5		541,5			
<i>Request for direct payments</i>								
Total for GAFSP Grant	38000,0				2541,5	7%	741,9	2%
<i>Of which used to pay expenses</i>		541,5	200,4		741,9		741,9	

The analysis of the use of funds to pay expenditures by source and category of expenditure, cumulatively, is given in Table 3.

Table 3

Thousands US dollars

Expenditures by components and sources of financing	Total		
	Total amount for the project	Actual payments	% of use
Component 1. Rehabilitation and modernization of irrigation and drainage infrastructure	28000	675,4	2%
Component 2. Agricultural Advisory Services	3500	1,1	
Component 3. Nutrition Improvement	4600	-	
Component 4. Project Management	1900	65,4	3%
Total of expenditures under the project	38000	741,9	2%

Detailed data on the use of the Project funds are given in Annex C, tables PMR 1a and 1b. Also in the Annex are provided bank statements on the project for the 1st quarter of 2017.