

# **Semi-Annual Social Monitoring Report**

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Project Number: 43405-028

Semi-Annual Report (January-June 2020)

**GEO: Urban Services Improvement Investment Program**

**Tranche 6  
(FINANCED BY THE ASIAN DEVELOPMENT BANK)**

July 2020

## ABBREVIATIONS

ADB – Asian Development Bank

AP – affected persons

DC – Design Consultant

DEPP - Department of Environmental protection and Permit

ES/ SES - Environmental Specialist/ Senior Environmental Specialist

GoG- Government of Georgia

GRC - Grievance Redress Committee

GRM - Grievance Redress Mechanism

IPMO - Investment Program Management Office

USIIP - Urban Sector Improvement Investment Program

IA - Implementing Agency

EA – Executing Agency

IP – Indigenous People

IR – Involuntary Resettlement

LARP – Land Acquisition and Resettlement Plan

MoEPA - Ministry of Environment Protection and Agriculture

MoRDI – Ministry of Regional Development & Infrastructure

NEA – National Environmental Agency

SC – Supervision Consultant

UWSCG – United Water Supply Company of Georgia

WSS – Water Supply & Sanitation

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## 1. THE PROJECT DETAILS

### 1.1 Background of the Project

1. The Urban Services Improvement Investment Program was developed as the Government's response to the lack of adequate and/or safe water supply, sewerage and sanitation in urban areas of Georgia. This is intended to optimize social and economic development in selected urban areas through improved urban water and sanitation services and is financed by the ADB through its Multi-tranche Financing Facility. The Ministry of Regional Development and Infrastructure is the Executing Agency and the United Water Supply Company of Georgia, LLC is the Implementing Agency of the Investment Program. UWSCG is a 100% state-owned company.

2. The Investment Program will improve infrastructure through the development, design and implementation of a series of subprojects, each providing improvements in a particular sector (water supply and/or sewerage) in one town. Subprojects will rehabilitate existing infrastructure and/or create new and expanded infrastructure to meet the present and future demand. Water supply improvements will include source augmentation and head works, pumping systems, treatment facilities, transmission and distribution network; and, sewerage improvement works will include sewer network, pumping stations, main collectors and waste water treatment plants.

3. Tranche 6 of the Investment Program includes:

- Construction of Water Supply and Waste Water Systems in Marneuli and Construction of Waste Water System and Collector in Bolnisi (MAR-01);
- Construction of Waste Water Treatment Plant in Marneuli (MAR-02);
- Construction of Water Supply System in Chiatura (CHI-01);

#### ***Chiatura (CHI-01)***

4. The water supply system of Chiatura – constructed 40-50 years ago, with minor monitoring, maintenance and replacement of pipes and electro-mechanical installations - was in urgent need of upgrading and rehabilitation. In addition, the water sources are affected by mountain manganese ore and turbidity during rainfall periods, thus creating a threat to the health of local population. The contractor is mobilized, and works are almost completed, refer clause 1.2 para 14 and 15 for more details. Detailed physical progress of works is given in clause 1.5.1.

5. The present design considers a new water source located along the left bank of the Kvirila River in Sachkhere Municipality, laying new water supply network, rehabilitating some of the network retained, rehabilitation of existing reservoirs, construction of new reservoir at Bisi & at Sachkhere, rehabilitation of existing pumping stations, river crossings etc.

#### ***Marneuli (MAR-01)***

6. Wastewater system of Bolnisi and Marneuli cities is deteriorated and not functioning properly. Currently 20% of Marneuli's population is connected to existing sewage network; Bolnisi's wastewater network is dilapidated and requires rehabilitation. The sewage network is composed of DN200 and DN800 pipes. This sewage network is dilapidated and cannot receive wastewater. There are no wastewater discharge systems and treatment plant in the project affected zone. The polluted waters are not consistently collected. Therefore, the risks of contamination of underground and surface waters, as well as, the soil with pollutants is high. It threatens the health of local population.

7. In 2013, KOCKS Design Company prepared water and wastewater systems rehabilitation design for city of Marneuli, and in 2018, the design was changed, and a Bolnisi wastewater system component was added, which was prepared by consultancy company – SAFEGE. The contractor is mobilized, refer clause 1.2 para 11 for more details. Detailed physical progress of works is given in clause 1.5.2.

8. The design ensures the following: (i) normalization of water and wastewater systems of Marneuli City; (ii) improvement of Bolnisi's wastewater system; and (iii) help stimulate livelihood standards and improve health and safety of local residents as final recipients of the project.

### ***Marneuli (MAR-02)***

9. Construction of Waste Water Treatment Plant in Marneuli (MAR-02). Design, construction and commissioning of a wastewater treatment plant (WWTP) for Marneuli. The design is to cater for the full flow and pollution loads for the 2044 population equivalent (PE) of 59,015. The plant shall consist of pumping stations, screens, aeration and sedimentation tanks, operation and administrative buildings, sludge thickener, etc. The construction period is 540 days (including period of commissioning, training and operational acceptance).

## **1.2 Key Construction Works Envisaged under the Contract**

10. Construction of Water Supply and Waste Water Systems in Marneuli and Construction of Waste Water System and Collector in Bolnisi (MAR-01): Mar-01 project envisages the rehabilitation and construction of reservoirs with the total capacity of 12,000M<sup>3</sup>=(2X3000+3X2000); construction of cast iron transmission pipeline with the diameter of 700 mm - 10 km and 600 mm – 4km; construction of network with Polyethylene pipes of OD 50 to OD 500. The project measures for the sewer network comprise the lying about 150 km new gravity pipes (DN 150 to DN 800) and 2.7 km new pressure pipes (OD 110 and OD 225). There will be 9 new wastewater pumping stations; 600mm to 1000 mm diameter inspection wells (concrete or polyethylene) and 400 mm diameter house connections (polyethylene). Proposed project envisages construction of sewerage system in Bolnisi which will work entirely by gravity (DN 200 and DN 250 HDPE pipes) and will be connected at 3 different points to the future DN 500 HDPE interceptor that will convey the collected sewer from Bolnisi to Marneuli WWTP.

11. The contract No P43405-ICB-MAR-01 was signed on November 20, 2018 with “Akelik Group OJSC” (Azerbaijan). The date of completion of the contract is March 29, 2021.

12. Construction of Waste Water Treatment Plant in Marneuli (MAR-02). The project comprises of the construction of new Wastewater Treatment Plant in Marneuli with the capacity of 9,931 m<sup>3</sup>/day.

13. The contract No UWSCG-ICB-MAR-02-2019 was signed in October 18, 2019 with Joint venture of Toshiba Water Solutions Pvt. Ltd and IN-SI LLC (JV partner) (India/Georgia). The contract completion date is April 2021. Site preparation activities have already started.

14. Construction of Water Supply System in Chiatura (CHI-01). The work under the CHI-01 project comprises the rehabilitation and construction of the water supply network, transmission pipeline and Reservoirs. In particular, Chi-01 project envisages construction of network in Chiatura and Navardzeti, construction of a transmission lines, the rehabilitation of existing reservoirs and construction of 2 new

reservoirs one near the intake and one new reservoir in Bisi, construction of pumping stations and replacement of network pipelines.

15. The contract No P43405-ICB-CHI-01 was signed on August 21, 2017 with “Akkord Industry Construction Investment Corporation” OJSC” (Azerbaijan), the original completion date 15 April 2019 was extended until the 12 August, 2020.

### **1.3 Social Safeguard and Land Acquisition**

#### Land Acquisition and Resettlement Plans (LARP)

16. Two separate LARPs were prepared for each Projects: GEO: CHI -01 Chiatura Water Supply System Construction Project and GEO: MAR-01 Construction of Marneuli Water Supply and Wastewater Systems; Construction of Bolnisi Intercepting Sewer and Wastewater System.

17. LARP of GEO: CHI -01 Chiatura Water Supply System Construction Project was approved and disclosed in December, 2017, while GEO: MAR-01 Construction of Marneuli Water Supply and Wastewater Systems; Construction of Bolnisi Intercepting Sewer and Wastewater System was approved and disclosed in March, 2019.

#### ***Chiatura (CHI-01)***

18. The total project affected area is seventy-four (74) land parcels. Among these 74, only 16 project affected land parcels were subject to full acquisition (among these 16 land parcels one land parcel was acquired through the GRM). The remaining fifty-eight (58) land parcels were subject to partial acquisition with major portion of these land parcels remaining outside of the project RoW. The owners of these 58 land parcels will be able to continue agricultural activities as the remaining portion of these land parcels will still maintain economic viability.

19. The summary impact of the project is:

- a. The total number of project affected land parcels: 74/ affected area 38,581sq.m.
- b. The total of number affected households: 66 (persons: 140 persons; among them 84 male and 56 female)
- c. Physical resettlement 0:
- d. Economic Displacement: 66 AH
- e. Affected agricultural land parcels: 74 / affected area 38,581sq.m.
- f. Affected non-agricultural land parcels: 0
- g. Land parcels subject to full acquisition: 16 / 19,381sq.m.
- h. Land parcels subject to partial acquisition: 58 / 19,200sq.m.
- i. Land parcel attached with affected structure-building: 0.
- j. Land parcel attached with structure (residential and /or commercial) used by the AP: 0
- k. Land parcels with annual crops /hey: 74/38,581sq.m.
- l. Total of severely affected land parcels: 71<sup>1</sup>
- m. Total of Vulnerable: 13 AHs.

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<sup>1</sup> In total 71 land parcels will lose more than 10 % of income generating land.

**Table 1: The summary of project affected land parcels and area of land acquisition**

Scope of Impact	No of parcels	Total area (sq.m.)	Area to be acquired (sq.m.)	Area remaining with AHs (sq.m.)
Full acquisition	16	19,381	19,381	<u>0</u>
Partial acquisition	58	114,625	19,200	95,425
Total	74	134,006	38,581	95,425

20. LARP implementation started on March, 2018. United Water Supply Company of Georgia acquired 71 land plots that received compensation in the amount of 564225 (five hundred and sixty-four thousand two hundred and twenty-five) GEL, in accordance with the budget plan defined in the resettlement plan and GRM. The project-affected 3 land parcels are still to be purchased. The remaining 3 land parcels will be implemented immediately after the owners of the land plots will fix the issues with regard to the various existing obligations, namely:

- According to an extract from the National Agency of Public Register (LEPL), there is an existing lien on three land plots. Corresponding acquisition agreement will be signed as soon as bank credit will be covered.

21. Preliminary agreements have been signed on May, 2018 with the owners of the above mentioned 3 land plots, following the fact that the company will carry out acquisition procedures according to LARP after all the problems regarding land plots will be solved. Since land ownership issues are complex and require the participation of other institutions and third parties, it is difficult to determine a specific date for the acquisition of these lands.

### ***Marneuli (MAR-01)***

22. As per final design, in order to lay Bolnisi design intercepting sewer and to erect sewage pumping station, it became necessary to transfer free of charge 1 piece of state-owned land parcel (1640 square meters) to the Company's capital and to partially acquire 14 pieces of land parcels with total area of 2165 square meters which were in the ROW.

23. The summary of impact of this project:

- a) Number of parcels: 15;
- b) Affected households: 12 (in total, 64 individuals including 37 men and 27 women);
- c) Physical resettlement: 0;
- d) Economic displacement: 12 households;
- e) Number/area of affected agricultural land: 15/3805 square meters.
- f) Number/area of lands to be transferred from the state: 1/1640 square meters.
- g) Number/area of land to be partially acquired: 14/2165 square meters.
- h) Number/area of land with annual crops: 15/13811 square meters.

- i) Permanent/temporary stoppage of business: 0;
- j) Loss of wages/salary: 0;
- k) Affected supplementary structures: fences, walls, etc.: 0;
- l) Severely affected land parcels: 12;
- m) Vulnerable household: 1.

**Table 2: The summary of project affected land parcels and area of land acquisition**

Scope of Impact	Nos of parcels	Total Area (sq. m)	Affected area (sq. m)	Area remaining under private possession (sq. m)	%
Partial acquisition of land parcel	14	12 171	2 165	10 006	17,8
Free of charge transfer of parcel from the State	1	1 640	1 640	0	100
<b>Total</b>	<b>15</b>	<b>13 811</b>	<b>3 805</b>	<b>10 006</b>	<b>27.5</b>

24. Overall, the APs with the "orphan land", meaning that remaining piece of land which is a result of partial land take has lost previous designation and became economically unviable will be eligible to claim full cash compensation for the entire area of such land parcels.

25. It should be noted that there are no residential dwellings or other types of buildings/structures on the project affected land parcels. Therefore, there will be no physical resettlement of affected households, i.e. they will not have to change their residence. All affected land parcels are exclusively used for producing agricultural products and cultivating crops.

26. The process of land acquisition has been initiated and registration of unregistered land parcels and negotiation with landowners is ongoing. The acquisition process was supposed to be started in the second quarter of 2020 but, due to the COVID 19 breakout, the process is on hold and hopefully, will continue in the last quarter of 2020.

**Marneuli (MAR-02)**

30. As a result of the review of available documents, plans and references it can be concluded that for construction of the WWTP no private land or property is to be affected under MAR-02 sub-project. Therefore, there is no involuntary resettlement involved in this subproject. It should be noted, that until 2016, the proposed territory for the construction of WWTP in Marneuli belonged to the state, and since 2016 it is property of the UWSCG, therefore there is no social impact on this territory.



31.No private land or household will be affected and need not to be acquired for the construction of the Project. There is also no population cultivating the proposed land for construction of Reservoir and water supply and sewage network. Figure 1 below represents the territories of the infrastructure.

32.Since no displacement will be there of the affected population and land plots were not used formally or informally, for agricultural or other purposes, the livelihood issues will not be involved in this project.

**Figure 1.** Territories of the infrastructure.

Land plot for WWTP



Land plot for “City Reservoir”



Land plot for “Jandara Reservoir”



#### **1.4.COVID-19 Affect to the Project and Responding Actions**

33. On 26 February, Georgia confirmed its first COVID-19 case. In the following days, several more cases emerged, which prompted the Government to institute the first phase of restrictions on land and air movement and closure of schools, effective 2 March. Despite the early actions of the Government, the number of confirmed and suspected cases continued to grow, triggering the Government to declare a state of emergency on 21 March – closing all borders and airports, restricting movement inside the country, banning mass gatherings and maintaining closure of all schools, kindergartens, and universities. The Government introduced a curfew, halt movement of public transport, and introduce checkpoints on city crossings administered by police and military units. The State of Emergency was lifted on 23 May, movement within and between cities is now permitted and public transport resumed as of 29 May, however, several restrictions remain in place.

34. On 23 March, Marneuli and Bolnisi have been put under quarantine due to the coronavirus pandemic. On 18 May, the municipality of Marneuli opened after being under lockdown for 56 days. Quarantine lifted in Bolnisi municipality on 23 May but two villages: Mushevani and Geta remained lockdown till June 15.

##### Chiatura (CHI-01)

35. Chiatura site was lockdown from March 23 till middle of month May 2020. During the lockdown 30 employees, who had come from abroad, were sent to Sachkhere quarantine zone for two weeks. The Contractor implemented the following precautions: COVID-19 training sessions conducted; daily thermal screening of all employees takes place before starting the working day; Camp site is equipped with disinfection barriers, sanitizers, informative signs. All workers are provided with disposable face masks and gloves; lunch packages are delivered at the construction site; the canteens operate in shifts, the area has indicative signs and only 2 people are allowed to seat at one table; The Company maintains COVID 19 safety log.

36. During the lockdown the Company was inspected by local Supervision Company, which interviewed the staff and inspected the Camp site. After the inspection the evaluation form was filled in and positive feedback issued. (see Annex 1)

## Marneuli (MAR-01)

37. The construction activities were stopped on March 23 and reactivated on May 18 2020. The Contractor implemented the following precautions: COVID-19 training sessions conducted; daily thermal screening of all employees takes place before starting the working day; Camp site is equipped with disinfection barriers, sanitizers, informative signs. All workers are provided with disposable face masks and gloves; lunch packages are delivered at the construction site. Only 10 people stays at Camp and they use canteen facility. (see Annex 2)

### 1.5 Physical Progress of the Project Activities

#### 1.5.1 Chiatura

38. The physical works are almost completed except to connect 4 apartments on Sachkhere road. The work of connection to 4 apartments was allotted to contractor in March 2020 & it is scheduled to be completed on 12 August 2020. The completed works are under operation and now Chiatura is supplied water from the new source developed under the project at Sachkhere. Some scattered houses/areas, about 5-10% which are yet to be connected to new system are supplied water from the old source. It is expected that by end of August all areas will be supplied water from new developed source at Sachkhere. The cumulative progress of physical works is given below;

**Table 1: Cumulative progress up to June 2020**

Pipeline	Unit	Quantity (BoQ)	Up to May 2020	In May 2020	Cumulative up to 30 June 2020	Progress
Main Transmission Line	m	16.038	16038	0	16038	100.00%
Distribution Network	m	68.391	68.391	0	68.391	100.00%
DN355 Bisi-CPS Transmission	m	745	745	0	745	100.00%
DN160 CPS-Lezhubani	m	2,165	2165	0	2165	100.00%
DN160 CPS-Perevisi	m	1,810	1810	0	1810	100.00%
DN225 CPS-Rustaveli	m	1,264	1264	0	1264	100.00%
DN225 Lezhubani Res to PS	m	341	341	0	341	100.00%
Q200 ST Lezhubani PS - Memorial Res	m	2025	2025	0	2025	100.00%
Q100 ST Perevisi PS - Tekhisa Res	m	2053	2053	0	2053	100.00%
DN160 Memorial-Navardzeti	m	1,470	1470	0	1470	100.00%
Giorgadze area	m	1,540	1540	0	1450	100.00%
<b>Total Laid Pipe</b>	<b>m</b>	<b>97,306</b>	<b>97,306</b>	<b>0</b>	<b>97,306</b>	<b>100.00%</b>
House Connection	n	8,457	7,960	338	8298	98%
Crossings	n	10	10	0	0	100%
Hydraulic Chambers	m3	1,219	1194.4	25	1219	100%
Hydrants	n	205	205	0	205	100%
Reinstatement of Asphalt	m2	50000	35,195	2400	37,595	75%
Reinstatement of Concrete Pavement	m2	4,600	275	0	275	6%

**Table 2: Cumulative progress of Reservoirs & Pumping Stations**

Cumulative Progress	Up to May 2020				Up to June 2020			
	Civil	Mech	Elec	SCADA	Civil	Mech	Elec	SCADA
<b>Structures</b>								
Wellfield	95%	98%	95%	90%	98%	98%	100%	100%
Sachkhere Reservoir	95%	98%	95%	90%	95%	100%	100%	100%
Bisi - New Reservoir	95%	98%	95%	75%	95%	98%	100%	100%
Bisi - Old Reservoir	50%	75%	-	-	90%	95%	95%	95%
CPS	95%	95%	95%	95%	95%	100%	100%	100%
Lezhubani Reservoir	95%	95%	95%	95%	98%	100%	100%	100%
Perevisi Reservoir	95%	95%	95%	95%	98%	100%	100%	100%
Rustaveli Reservoir	95%	95%	95%	95%	98%	100%	100%	100%
Tekhisa Reservoir	95%	95%	95%	95%	98%	100%	100%	100%
Memorial Reservoir	95%	95%	95%	95%	98%	100%	100%	100%
Perevisi PS	95%	95%	95%	95%	98%	100%	100%	100%
Lezhubani PS	90%	95%	95%	95%	98%	100%	100%	100%
Memorial PS	95%	95%	95%	95%	98%	100%	100%	100%
New Memorial PS	-	95%	95%	95%	100%	100%	100%	100%

Cumulative total physical progress		
Location	Previous Month	Current Month
Wellfield	98%	99%
Sachkhere Reservoir	98%	99%
Bisi – New Reservoir	98%	99%
CPS	95%	99%
Lezhubani Reservoir	97%	100%
Perevisi Reservoir	95%	95%
Tekhisa Reservoir	95%	95%
Memorial Reservoir	95%	95%

## 1.5.2 Marneuli (MAR-01)

### 39. Physical Progress of Structures

- a) Jandari Reservoir: Roof slab of the reservoir completed.
- b) Kolagiri Pumping Station: Concrete works & masonry works of PS is completed. Electrical/operation room foundation & vertical walls completed. Steel roof truss fabrication ongoing in shop & to be installed in May.
- c) City Reservoir: foundation raft work has been completed.

**Table 3 : Cumulative Physical Progress of structures**

Structure	Civil	Mechanical	Electrical	Instrumentation
Jandhari Reservoir	82%	5%	0	0
Kolagiri Pumping Station	82%	3%	0	0
City Reservoir	30%	0	0	0

Physical Progress of Water Supply & Sewer pipelines laid

40. The physical progress of laying sewer network & water supply network in June 2020 are as follows,

**Table 4: Water Supply Pipelines laid in June 2020**

1	Description	Unit	Quantity
2	PE pipe OD 110 SDR 11	m	3860.55
3	PE pipe OD 225 SDR 11	m	143.94
4	PE pipe OD 500 SDR 11	m	230
6	<b>Total Water</b>		<b>4234.49</b>

**Table 5: Sewer Lines laid in June 2020**

1	Provide and place corrugated HDPE-pipes DN 150 for service connections, ring stiffness 8 KN/m <sup>2</sup> , incl. preparation of the bottom, sealing of pipes and all ancillary works.	m	
2	Provide and place corrugated HDPE-pipes, DN 200, ring stiffness 8 KN/m <sup>2</sup> , incl. preparation of the bottom, sealing of pipes and all ancillary works.	m	5298.54
3	Corrugated HDPE-pipes DN 300, as previously described	m	230.05
4	Corrugated HDPE-pipes DN 400, as previously described	m	1085.62
5	Corrugated HDPE-pipes DN 500, as previously described	m	
6	Corrugated HDPE-pipes DN 600, as previously described	m	
7	Corrugated HDPE-pipes DN 800, as previously described	m	
8	PE pipe OD 355 SDR 11	m	644

**Sewerage: Bolnisi**

9	Provide and place corrugated HDPE-pipes DN 150 for service connections, ring stiffness 8 KN/m <sup>2</sup> , incl. preparation of the bottom, sealing of pipes and all ancillary works.	m	
10	Provide and place corrugated HDPE-pipes, DN 200, ring stiffness 8 KN/m <sup>2</sup> , incl. preparation of the bottom, sealing of pipes and all ancillary works.	m	282.71
<b>Sewerage Bolnisi Intercepting</b>			
11	Provide and place corrugated HDPE-pipes, DN 500, ring stiffness 8 KN/m <sup>2</sup> , incl. preparation of the bottom, sealing of pipes and all ancillary works.	m	
12	Corrugated HDPE-pipes DN 400, as previously described	m	622.01
13	Corrugated HDPE-pipes DN 300, as previously described	m	969.52
	<b>Total Sewerage</b>		<b>9132.45</b>

Total pipe laid water supply & sewerage in JUNE 2020=13366.94 m

**Table 6: Cumulative Physical Progress of Water Supply & Sewer Lines Laid**

Particulars	Water Supply Pipelines laid			Sewer lines laid		
	Required	laid	%	Required	Laid	%
Marneuli	178.13	73.954	41.52%	127.55	29.631	23.23%
Transmission mains	17.639	0	0.00%	Nil	Nil	Nil
Bolnisi	Nil	Nil		26.893	7.129	26.51%
Interceptor	Nil	Nil		29.929	9.521	31.81%
Total	195.77	73.954	37.78%	184.37	46.281	25.10%

Month wise Pipelines laid from November 2019 to June 2020 are given below. Pipes laid before November 2019 are not tabulated here.

**Table 7: Month wise Pipes Laid**

Month	Water Supply KM	Sewer KM	Total KM
November	6.508	3.668	10.176
December	4.124	5.786	9.91
January	3.86	6.26	10.12
February	1.7	10.08	11.78
March	1.88	4.18	6.06
April	0.00	0.00	0.00
May	0.356	5.541	5.897
June	4.234	9.132	13.367

41. Overall, 46280 m sewer pipes (25.10% of required) & 73954.43 m water supply lines (37.78% of required) have been laid as per zone wise and diameter wise details given in annexes 6 and 7 below;

### 1.5.3 Marneuli (MAR-02)

42...Initial phase is for mobilization and designs. Under mobilization the contractor is establishing engineers site office, improved access roads, removed topsoil, conducted soil investigations, removed trees, taking water supply & power connection. Under designs the process designs & layout has been completed. Electrical & instrumentation Gas are generally completed. Mechanical Gas are also generally completed. Now civil designs are being conducted. The cumulative progress is given below;

**Table 8: Cumulative progress**

Schedule	Cumulative Total Progress		
	/Particulars	Up to May 2020	Up to June 2020
(I)	Supply of Material	0%	0%
(III)	Design & Surveys	12%	23%
(IV)	Installation Civil	0%	0%
(IV)	Installation Mechanical	0%	0%
(IV)	Electrical installation	0%	0%

**Table 11: Physical Progress of Structures: Civil, Mechanical & Electrical works**

Cumulative Physical Progress	Up to Previous Month				Up to This Month			
	Civil	Me ch	Elec	SCA DA	Civil	Me ch	Elec	SCA DA
Structures								
Site mobilization& Soil nvestigations	13%	-	-	-	40%	-	-	-
Temporary Fence	0%	-	-	-	100%	-	-	-
Coarse screen & PS &fine screen building								
Grit & grease chamber								
Aerated grit chamber								
Primary sed. tanks								
Aeration tanks & distribution chamber								
Blower Building								
Final sed. Tanks & distribution chamber								
Sludge sump cum PS								
Digester								
Biogas utilization building								
Thickened sludge pump								
Digested sludge pump								
Primary sludge thickener								
Mechanical Pre thickening building								

Emergency sludge storage place									
Sludge dewatering building									
Venturi channel cum outlook structure									
Treated effluent channel inlet box									
Treated effluent box									
Gas holder									
Gas torch									
Fecl3 dosing system									
Administration building									
Service water tank & cum PS									
Garage & workshop									
Power heating plant building									
Inter connection pipes including champers & manholes for drainage, pipe work, air piping system, potable water and technical water, fire-fighting system.									
Roads & Landscaping									
Commissioning of WWTP									

## 2. GRIEVANCE REDRESS MECHANISM

43. UWSCG has functioning GRC and mechanism for grievance redress established under the UWSCG Order No 196, dated October 30, 2018 (please see Annex No3) developed in compliance with the Article 8, paragraph 7 of the UWSCG Charter. Grievance Redress Commission (GRC) is established, fully functioning and provided with required administrative support by Project Implementing Units (PIU) through the entire project circle. The role and responsibility of the GRC is to accept claims and complaints, assess its validity, determine the scope of eventual impacts, and timely resolve the issue, including the claims regarding the compensation and maintain grievance redress mechanism as flexible and efficient mechanism to address and resolve the claims as raised during project planning and implementation period, composition of GRC with identification of its positions is provided in Annex 3. UWSCG has established a three-phased (three-tiered) Grievance Redress Mechanism to be applied during processing the grievances submitted by project affected persons during the implementation for ADB funded projects.

1<sup>st</sup> phase: at the first phase of grievance redress, an authorized representative of Customers Relations Division/Customers Service Office of Regional Branch/Service Center of United Water Supply Company of Georgia, LLC, is to familiarize him/herself with the content of the complaint, register the complaint by Form adopted by Annex 3 to Order N196 and submit it to GRC, which will review the submitted complaint within two weeks' time.

2<sup>nd</sup> Phase: in case the complaint is not resolved at the 1<sup>st</sup> Phase in two weeks' time, an interested party can address Commission established under Clause 5 of Order N196.



3<sup>rd</sup> Phase: An interested person is eligible to apply to ADB Resident Mission, in case the GRC fails to resolve problem raised in the complaint and grievance still remains unresolved after two-week time period since its official submission.

44. Temporary offices located at the construction sites keep the Grievance Log to allow aggrieved person file the claim right on spot.

45. Contact Details (telephone numbers and full names of persons in charge) and the daily hours for receiving phone calls of (Affected Person) APs and any interested person is included in the Information Leaflet and also displayed on Public Information Boards in the Local Service Centers and Municipalities within project affected area.

Chiatura

46. During the reporting period 15 complaints were registered. The complaints were registered in Complaint Log according to approved procedures and 14 complaints out of 154 were solved at the First Phase of grievance and redress mechanism, 1 complaint required involvement of an Engineer.

47. Grievance registration and record keeping procedures are responsibility of Girogi Chigaldze, social officer of Contraction Contractor. He initiates investigation process together with site engineers.

48. The team of investigators of the grievance is headed by the Engineer of Supervision Company, Kakha Kharebava (mobile: 599657575). If the issue cannot be solved at the site, social safeguard expert of the Supervision company, Ketevan Chubabria (mobile: 599986697) steps in a process and starts the procedures defined by GRC.

**Table 12: Registered complaints during the reporting period**

N	Date Received	Name of Investigator	ID/Complaints	Executed Action	Justified/Upheld Yes/No	Actions Completed Yes/No
1	27.01.2020	Giorgi Chigladze	033: Ground works were held on this territory about year ago, reinstating works were performed without accuracy during rain all the streams collect in the yard and there is mud at the entrance of the block, citizen demands reinstating conditions (spreading gravel at the territory at least).	The area has been reinstated	Yes	Yes

2	31.01.2020	Giorgi Chigladze	034: Road is dug and not properly reinstated, citizens complain about ant sanitary and muds in the district. They demand road to be reinstated or gravel to be spread so that they could walk on clean road.	Road reinstated	Yes	Yes
3	26.02.2020	Giorgi Chigladze	035: There is terrible situation on that street. Citizens are not able to move along the street as there is huge mud and dirt. Street needs urgent reinstatement	Road reinstated	Yes	Yes
4	07.02.2020	Giorgi Chigladze	036: There was concrete poured in the yard of Tekhisa Reservoir, this work was poorly executed and caused water collection. Then workers removed part of concrete and because of this, water flush down the citizens' yards and houses.	Corrective action taken	Yes	Yes
5	24.02.2020	Giorgi Chigladze	037: Contractor installed several water-meters at the wall of citizen, she insisted and made contractor to remove those water-meters, but contractor left site dug and with dirt. They also reinstated stairs, but works held poorly and water leaks inside the yard.	Reinstating activities implemented.	Yes	Yes
6	05.03.2020	Giorgi Chigladze	038:customer is missed, neither pipe is provided till the house nor the water-meter	Connection made and customer connected	Yes	Yes
7	05.03.2020	Giorgi Chigladze	039:customer is missed, neither pipe is provided till the house nor the water-meter	Connection made and customer connected	Yes	Yes
8	05.03.2020	Giorgi Chigladze	040: Water pipes are damaged by contractor.	Pipes repaired	Yes	Yes

9	05.03.2020	Giorgi Chigladze	041: Water pipes are damaged by contractor.	Pipes repaired	Yes	Yes
10	05.03.2020	Giorgi Chigladze	042: Water pipes are damaged by contractor.	Pipes repaired	Yes	Yes
11	11.03.2020	Giorgi Chigladze	043: During installation of meters contractor damaged pipes inside the apartment.	Pipes repaired	Yes	Yes
12	11.03.2020	Giorgi Chigladze	044: New pipe is damaged and water is leaking in residential area	Pipes repaired	Yes	Yes
13	13.03.2020	Giorgi Chigladze	045: There are no water-meters installed	Water-meters installed	Yes	Yes
14	16.03.2020	Giorgi Chigladze	046: Road on this street is damaged. Despite several requests from citizens, contractor only spread gravel that was washed away by water.	Road reinstated	Yes	Yes
15	23.03.2020	Giorgi Chigladze	047: Pipe is damaged at water meter and is leaking for more than week.	Corrective actions implemented	Yes	Yes

#### Marneuli (MAR-01 and MAR-02)

49. During the reporting period no complaint was registered.

50. Grievance registration, record keeping and investigation process are responsibilities of Site Engineer of Contraction Contractor, Vakhtang Burchuladze.

51. The team of investigators of the grievance is headed by the social safeguard expert of the Supervision company, Ketevan Chubabria (mobile: 599986697).

## **2.1 Consultation, Participation and Disclosure**

### Chiatura

52. On April 15, 2020 high official visit was organized at Chiatura water intake facility. The visit was attended by Director of United Water Supply Company, Mr. Giga Mandaria; Head of Water Supply Construction Unit, Mr. Irakli Nafetvaridze; Mayor of city Chiatura, Mr. Givi Modebadze and representatives of Engineer, Constraction Company, local community and media. The purpose of the visit was inspection of the status of Project implementation and familiarization of local community with the upcoming benefit of the Project via media.

53. The photo materials are attached in Annex 4.

Marneuli (MAR-01) and (MAR-02)

54. Due to the lockdown and restrictions related to COVID19 No meetings and events were arranged during the reporting period.

## **2.2 Changes in the project scope and adjusted safeguard measures**

55. COVID19 breakout negatively affected progress of the Project implementation, fortunately no case of Corona virus were registered within the employees of Project or related personnel. Additional safeguard measures were implemented at all sites and these measures are described in paragraph 1.4.

## **2.3 Scope and Monitoring Requirements**

### **2.3.1 Scope of the Monitoring**

56. The scope of the monitoring includes:

- ✓ Review the grievance logs at Construction Contractors office and status of registered complaints;
- ✓ Review the grievance log at regional office of UWSCG and status of registered complains.
- ✓ Interviewing APs on effectiveness of social safeguard measures and grievance mechanism;
- ✓ Review a number of unregistered requests from APs and steps of cooperation made by Construction Contractor;
- ✓ Inspect environmental, health and safety and social performance of Construction Contractor;
- ✓ Review the trust of APs in the Construction Contractor;
- ✓ Review the measures implemented for grievance and redress awareness raising among stakeholders;
- ✓ Review the actions implemented for social safeguard;
- ✓ Identify the measures required for implementation of Grievance and Redress Mechanism and Social Safeguard programme.
- ✓ Inspection status of LARPs implementation

57. The above multilayer procedures are divided between several responsible parties. Construction Manager of Construction Contractor is responsible for periodic monitoring of grievance registration and record keeping practice. Engineer of Construction Contractor tries to ensure to solve the issue onsite and monitor its implementation. He is also responsible for communication of planned activities with APs at least 2 days prior an entering a site.

58. Engineer of Supervision Company monitors implementation of actions assigned for remedy of grievances. He also communicates with residents and identifies their concerns and attitudes toward the Project.

59. Social Safeguard Expert of Supervision Company conducts regular monitoring off all above listed steps. During the site visits she interviews local residents on random bases and asks them about their satisfactions or concerns related to the Project. She reviews the status of grievances, number of closed and opened cases, identifies reason of pending issues and plans corresponding measures. She arranges activities raising the Project awareness of residents. Representatives of local representatives of UWSCG have intensive communication with APs and are well informed on their concerns and issues. They time to time request for updates of grievance and redress procedures and activities. During the weekly Construction Meetings, all parties review the status of grievances. Discuss new complaints and identify the corresponding measures.

60. LARPs implementation process is obligation of UWSCG Resettlement Team and the process is almost finalized. Social safeguard Specialists of Engineer and Construction Contractor communicate with UWSCG Resettlement Team and checks the status of LARPs implementation in order to avoid complications with APs.

61. Monitoring activities covers inspection of occupational health and safety conditions of the workers at construction and camp sites. The conditions are checked, first if all, by HS staff of the Engineer and Social Safeguard Expert of the Engineer. The results of the monitoring are communicated with relevant personnel of Construction Contractor and measures are taken accordingly.

## **2.4 Methodology of Monitoring**

62. The approach and methodology of monitoring includes:

- ✓ Desk review of data and compliance with legally binding requirements;
- ✓ Daily inspection of Environmental, Health and Safety performance of construction activities by HSE staff of the Engineer;
- ✓ Weekly inspection of social activities by Social expert of the Engineer;
- ✓ Interviewing complainers;
- ✓ Planned and random interview of APs, workers and other stakeholders;
- ✓ Inspection of status of close-out activities of the previous monitoring;
- ✓ Analyzing the information received from the inspections and the interviews;
- ✓ Planning corrective actions and assigning to appropriate personnel.

Key performance indicators of the monitoring are:

### Chiatura

63. The percentage of registered and closed complaints (100% of complaints shall be registered; 100% shall be reviewed and investigated; more than 90% of complaints shall be closed).

64. During the reporting period 15 complaint were registered (see the table 12 above) and 14 solved at the First Phase of Grievance and Redress Procedure, one complaint required involvement of the Engineer. The percentage of issues requested from APs to be

implemented by Construction Contractor (100 % of the relevant Complaints shall be addressed and more than 90% closed at the first stage of Grievance procedure).

65. During implementation of construction activities residents regularly ask Construction Contractor to help them and implement certain activities. E.g. arrange accesses to residential houses, arrange secondary roads, gravel public gathering areas etc. Construction Contractor voluntarily helps local communities. The percentage of construction staff informed on Code of Conduct of the company and trained on their rights and obligations (100% of staff shall be covered).

66. The interview of the construction staff revealed that all of them are aware of their rights and obligations. The number of job-related trainings and awareness raising trainings

67. During the reporting period there was no need identified for job related training. Daily HSE induction takes place at construction site.

#### Marneuli

68. The percentage of registered and closed complaints (100% of complaints shall be registered; 100% shall be reviewed and investigated; more than 90% of complaints shall be closed).

69. During the reporting period no complaint was registered. The percentage of issues requested from APs to be implemented by Construction Contractor (More than 60% of requests shall be implemented).

70. During implementation of construction activities local residents regularly ask Construction Contractor to help them and implement certain activities. E.g. arrange accesses to residential houses, arrange secondary roads, gravel public gathering areas etc. Construction Contractor voluntarily helps local communities. The percentage of construction staff informed on Code of Conduct of the company and trained on their rights and obligations (100% of staff shall be covered).

71. The interview of the construction staff revealed that all of them are aware of their rights and obligations. The number of job-related trainings and awareness raising trainings.

72. During the reporting period there was no need identified for job related training. Daily HSE induction takes place at construction site.

## 2.5 Limitations during the Monitoring

73. Limitation of the monitoring program implemented during the reporting period was the lockdown caused by breakout of COVID 19.

## 3. INSTITUTIONAL ARRANGEMENTS

74. The Chapter describes the role, authority, and responsibility of state agencies involved in the process of preparation and implementation of environmental and social/resettlement related issues under the projects financed by ADB. These agencies are: Implementation Project Management Office (IPMO) formed under UWSCG is the implementing agency; Executing Agency - United Water Supply Company of Georgia of the Ministry of Regional Development and Infrastructure of Georgia, Ministry of Finance, ADB. Below are described their roles and responsibilities:

75. Implementation Project Management Office<sup>[ 2 ]</sup> (IPMO) will carry the following responsibilities:

- a. Two specialists: (i) Social Safeguards and Resettlement Specialist and (ii) Environmental Specialist to carry out following activities:
  - I. Safeguard environment and resettlement related issues for the sub-projects;
  - II. Resolving any issues that may arise during implementation of the sub-projects;
  - III. Review, analyze and discuss all circumstances that may have negative impact on the environment and the affected persons;
  - IV. Preparation of all relevant reports to IPMO;
  
- b. Project Management: IPMO will meet the all reporting requirements related to the sub-projects to be submitted to UWSCG and ADB
  - I. Address and coordination all Environmental protection and LAR related issues on local and national level;
  - II. Manage and monitor Construction Company and Supervision Company activities;
  - III. Ensure the update of Safeguard documents based on detailed design, if needed;
  - IV. Preparation of Semi-Annual reports to reflect all the construction and project implementation details;
  - V. Presenting all necessary documents to ensure rapid allocation of resettlement budget and undertaking further payment of defined compensation amounts to project affected persons;
  
- c. Project Monitoring: IPMO will:

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<sup>2</sup> Implementation Project Management Office<sup>[1]</sup> (IPMO) will be formed under UWSCG the latest by June 15, 2020.

- I. Supervise the physical and /or economic displacement of APs, monitor Construction and reinstatement process with support from the supervision consultant;
- II. Undertake internal monitoring and submission of relevant reports to UWSCG and ADB;

76. Construction Company and Supervision Company will have on board Environment and Social Safeguards specialists and Resettlement Specialist to be responsible to supervise environmental and resettlement issues managed by environmental and resettlement specialists of Construction Company and report to IPMO/UWSCG.

77. Supervision Consultant: Supervision Agency responsible for construction supervision activities, to observe and monitor completion of all compensation/rehabilitation payment procedures prior to construction contractor entering the site.

78. Ministry of Finance: Allocates compensation and rehabilitation funds based on the submitted land acquisition and resettlement plan and relevant budget.

79. IPOM will supervise the physical and /or economic displacement of APs, monitor construction and reinstatement process with support from the supervision consultant.

#### **4. CONCLUSIONS**

80. Monitoring results concluded that the system works effectively, no modifications are required. Contractor Companies successfully implement all relevant measures required under the regulations issued by the Government of Georgia as a response to COVID19.

81. The project-affected 3 land parcels are still to be purchased under CHI-01 sub-project. Due to the fact that the bank is private commercial sector which does not conduct negotiations regarding credit liabilities and UWSCG does not have the legal right to pay the debt of the AP, the course of the process depends entirely on the time of repayment of the credit by the land owners.

82. The above mentioned land parcels will be implemented immediately after the owners of the land plots will fix the issues with regard to the existing obligations.

83. Due to its multi-component composition, the Project might face sensitive social issues and risks. All recognized social issues and risks are captured at initial stage of the Project. Social safeguard issues related with construction activities are prevented with measures defined in H&S plan and Environmental Management Plan; issues related with workers condition and employment are regulated with the Contract requirements, Code of Conduct. All the mentioned documents are elaborated according to local legislation and ADB standards.



84. During the reporting period no issues related to social safeguard associated risks were identified.

85. Semiannual monitoring results showed compliance with ADB social safeguard standards and national legislations.

# Annexes

**ANNEX 1: PHOTOS OF COVID19 MEASURES AT CHI-01 PROJECT**



Photo 1: Hand sanitizer at the enterece of the officies



Photo 2: Information on precautionary measures

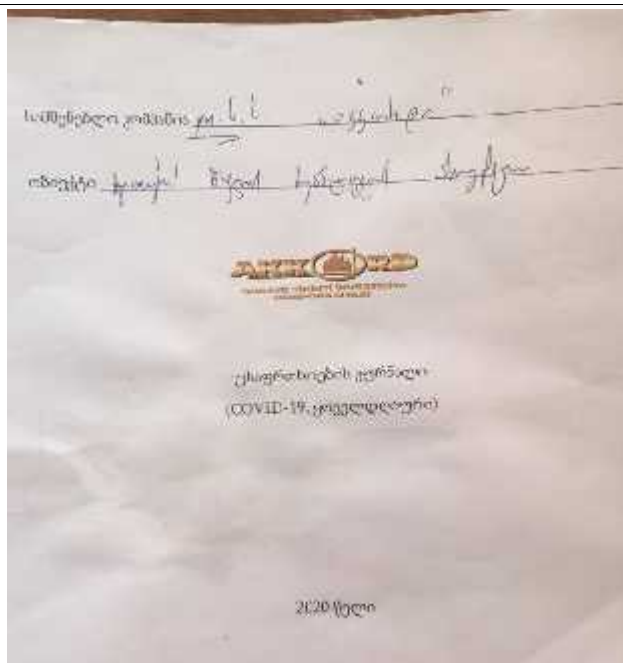


Photo 3, 4: COVID19 safety log

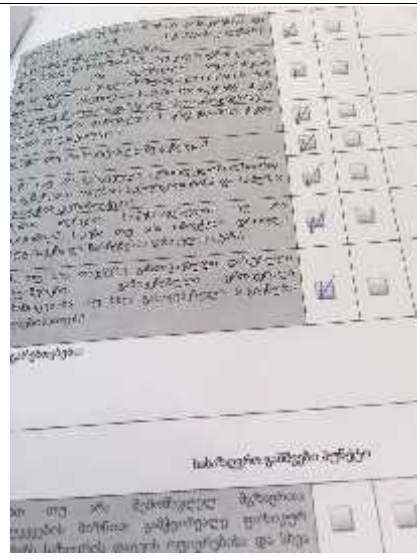


Photo 5, 6: Evaluation form filled in by local inspection department



Photo 7: Log on COVID19 training sesion



Photo 8, 9: signs on keeping distance due to the COVID 19

**ANNEX 2: PHOTOS OF COVID19 MEASURES AT MAR-01 PROJECT**



Photo 10, 11: Information on precautionary measures and sanitary means in an office

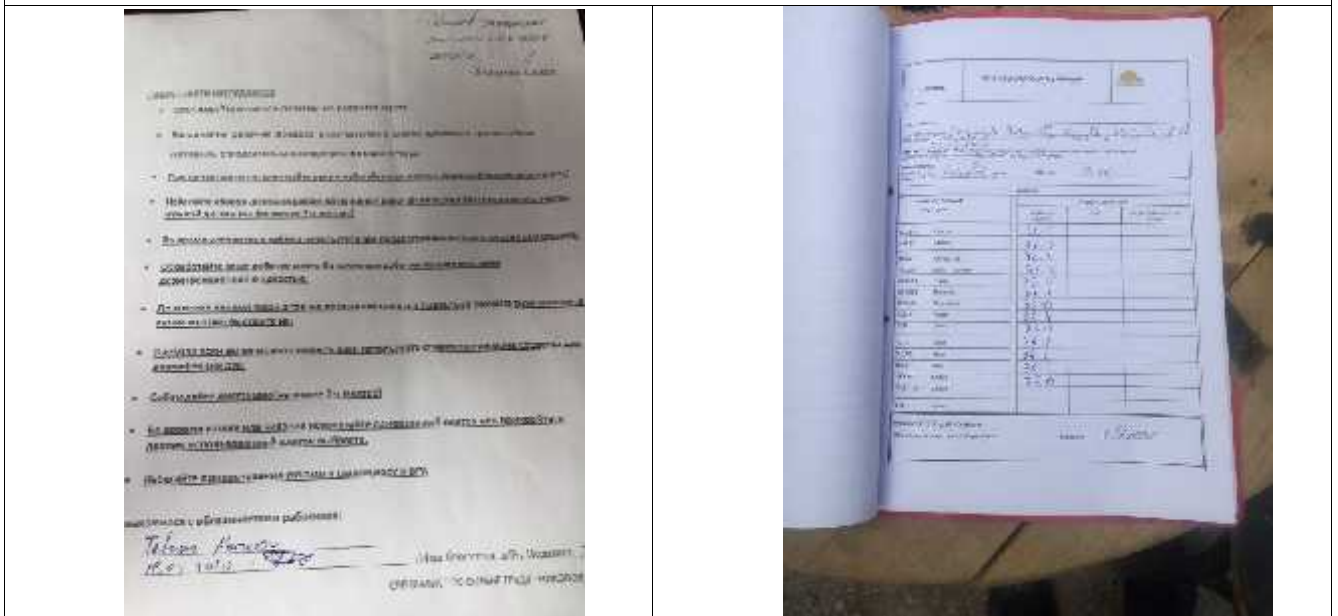


Photo 12: Instruction on COVID19

Photo 13: COVID19 safety log

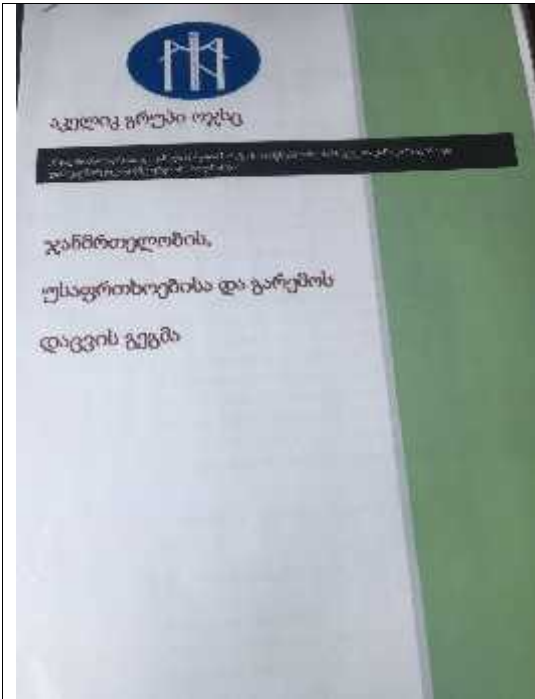


Photo 14: Environmental and occupational health safety plan

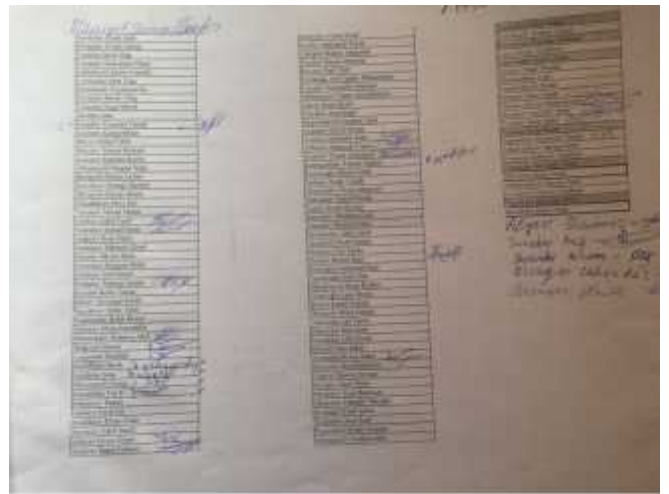


Photo 15: log on daily instruction on COVID 19



**ANNEX 3: UWSGC's Order #196, on Grievance Redress Mechanism, 30 October 2018 and Complaint log**



**შპს. სენაქრთვილოს მენეჯმენტი**  
**UNITED WATER SUPPLY COMPANY OF GEORGIA LLC**

**ბ რ ძ ა ნ ე ბ ა N 196**

თბილისი

30/10/2018

**United Water Supply Company of Georgia, LLC**

**Order #196**

**Tbilisi**

**On Grievance Redress Mechanism under projects financed by the Asian Development Bank at United Water Supply Company of Georgia, LLC**

In accordance with Safeguard Policy Statement developed by the Asian Development Bank in 2009 and Point 8 of Article 8 of the Articles of Association of United Water Supply Company of Georgia, LLC, I hereby

**Decree:**

1. Three-stage Grievance Redress Mechanism be approved to redress grievances submitted by project affected people (hereinafter the individual concerned) during the implementation of projects financed by the Asian Development Bank.

2. At first stage of grievance redress, an authorized representative of Customers Relations Division/Customers Service Office of local Service Center/Regional Branch of United Water Supply Company of Georgia, LLC, be obliged to familiarize himself/herself with the content of the complaint, to register the complaint in the form approved by Annex #1 of this Order and to submit it to Grievance Redress Committee (hereinafter the Committee), which will consider the submitted complaint within the two weeks period.

3. The Committee envisaged by the Point 2 of the Order be approved with the following composition:

a) Head (Regional Branch Manager/Service Center Director) of respective territorial unit of United Water Supply Company of Georgia, LLC – Committee Chairman;

b) Representative of Projects Management Department of United Water Supply Company of Georgia, LLC – Committee Member;

c) Representative of Environmental Protection and Permits Department of United Water Supply company of Georgia, LLC – Committee Member;

d) Representative of construction company implementing project/subproject – Committee Member;

e) Representative of supervision company of project/subproject – Committee Member;

f) Representative/Commissioner of the respective municipality – Committee Member;

g) Environmental Specialist of the Asian Development Bank Program – Committee Member;

h) Representative of respective territorial unit of United Water Supply Company of Georgia, LLC – Committee Secretary.

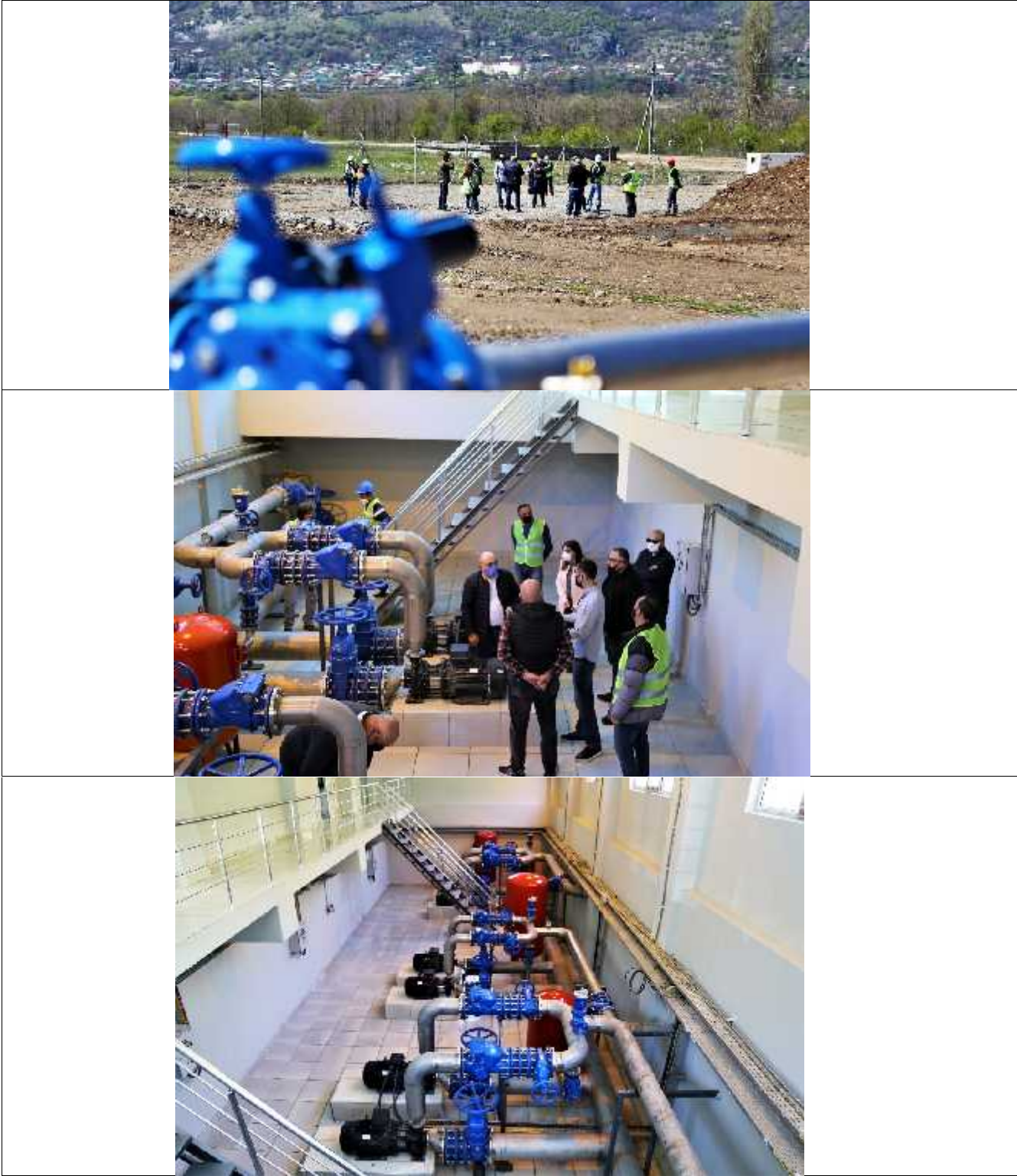
4. In case the problem raised in the complaint is not solved within the two weeks periods at the first stage of grievance redress, the individual concern can



## COMPLAINT LOG TEMPLATE FOR UWSCG COMPLAINTS

SOLVED	PENDING	WRONG INFORMATION ABOUT STATUS OF COMPLAINT	TO BE SENT BACK TO UWSCG	DEFERRED	NO ISSUE	REJECTED	NO IDENTIFIED	COMPLAINANT IS NOT RESPONDING		
N	Registration Date	Address	The content of the Complaint	Complainant	Contact Information	Segege's Action	date	Contractor's action	Date	Status of Complaint

**ANNEX 4: PHOTOS OF LOCAL GOVERNMENT VISIT AT CHIATURA WATER INTAKE FACILITY**



## Annex 5. GENERAL GUIDELINES RELATED TO INFECTION (COVID-19) CAUSED BY NOVEL CORONAVIRUS (SARS-CoV-2) FOR CONSTRUCTION SECTOR



Annex №2

### General Guidance Related to Infection (COVID-19) Caused by Novel Coronavirus (SARS-CoV-2) for Construction Sector

Note: In accordance with Order N281/N of the Minister of Internally Displaced Persons from the Occupied Territories, Labour, Health and Social Affairs of Georgia on "the rule for Examination for Short-term Employment Disability and Issuance of Doctors Note", the Ministry of Internally Displaced Persons from the Occupied Territories, Labour, Health and Social Affairs of Georgia will issue an equivalent document to the doctors excuse note (Medical Certificate) to persons quarantined in order to prevent the spread of coronavirus. The document will serve as the basis to receive monthly payment and therefore, the working days spend in quarantine or in self-isolation will be legitimate and fully paid to the employees. In order to get the certificate, an interested person has to apply to the Ministry of Internally Displaced Persons from the Occupied Territories, Labour, Health and Social Affairs of Georgia at -

For further information, please contact:

☎ 15 05

☎ 116 001

**StopCoV.ge**

*The job of builders involves constantly changing work places and work activity existing in open-air conditions. For this reason, in terms of virus spread, construction falls within the medium risk sector because its specificity covers natural ventilation. Nevertheless, it is important to consider the following preventive measures at construction work.*



**The staff must not appear in the workplace if they :**

- Left the affected country over the past 14 days;
- Were in close contact with infected person/persons for the past 14 days (they must be self-isolated/quarantined as per the rule);
- Have symptoms of respiratory infection (coughing, temperature, sneezing, difficulty in breathing, general weakness etc.);
- Are among the ones who have high risk of getting infected with COVID-19 or serious complications: over 70 years of age, people suffering from chronic diseases (cardio-vascular diseases, diabetes, bronchial asthma and other respiratory diseases).

**Employer's responsibilities**

- Whether or not the incidence of infection is detected, employer should develop an emergency action plan to support reduction of working days missed due to illness, and in case of detection – prevention of spread;
- Provide employees with information about safe working procedures and about prevention of virus spread (guide with the recommendations defined by LEPL L. Sakvarelidze National Center for Disease Control and Public Health of the Ministry of Internally Displaced Persons from the Occupied Territories, Labour, Health and Social Affairs of Georgia);
- Inside the working space post announcements about COVID-19 and about the preventive measures that have been identified by LEPL L. Sakvarelidze National Center for Disease Control and Public Health;
- In relation to the employees who can perform job remotely (administrative personnel) ensure as much as possible use of such working mode;
- At the entrances of break room/dining room, place disinfecting rugs with relevant mandatory sign marking;
- Provide hand-washing facility with soap and other disinfectants. If hand-washing facility is not feasible, at least 70% alcohol-based hand cleansing liquid should be used;
- Visibly place the hand sanitizers and post the rules of their proper use;
- Make sure that employees have access to hand sanitizers and are aware of their use with proper rules;
- Provide all employees and contractors, personnel responsible for cleaning with information about relevant preventive measures to avoid spread of coronavirus in the working environment;
- Train the employees in proper use and further storage/removal of personal protective equipment and disinfectants;

**StopCoV.ge**

**1505**

**116 001**

2



- Depending on their work specificity, provide the employees with necessary personal protective equipment (protective clothing, protective shoes, helmet, gloves, respirator) and establish control on their use;
- Periodically, several times a day ensure natural ventilation of closed spaces/facilities;
- At certain periodicities disinfect frequently used working equipment and working places;
- Maintain ergonomics at construction site. Ensure timely cleaning of working space and timely disposal of construction waste.
- For employees and visitors ensure closed containers for used disposable tissues and other used hygienic waste in the working space.

## Employees' responsibilities

Ensuring proper hand hygiene regularly and thoroughly is the best way to be protected from most of the viruses. Therefore, it is necessary to take the following measures in the workplace:

- Follow hygiene rules in your workplace;
- Carry out the working process in accordance with emergency situations action plan defined by employer/occupational safety manager;
- When greeting do not shake hands and avoid contact with others (touching etc.);
- Avoid gatherings, it is recommended not more than 10 people in one working platform by keeping a safe distance (at least 2 m);
- While performing your work, fully use personal protective equipment provided by the employers;
- Treat with disinfectants the working places and tools used in the course of the work;
- Before and after taking meals, before and after using the restrooms thoroughly wash your hands with soap and water. After washing dry your hands well;
- If you can not wash and dry your hands, use alcohol-based hand sanitizers;
- Keep safe distance (at least 2 m);
- While coughing or sneezing, cover the face with a clean tissue or elbow and place used dispensable tissue in the waste bin;
- Avoid touching your eyes, nose and mouth with your hands.





**ANNEX 6: CUMULATIVE ZONE WISE WATER SUPPLY PIPE REQUIRED AND LAID UP TO JUNE 2020**

No	Dia	Unit	Zone 1 Req.	Zone 1 laid	Zone 2 Req.	Zone 2 laid	Zone 3 Req.	Zone 3 laid	Zone 4 Req.	Zone 4 laid	Zone 5 Req.	Zone 5 laid	Zone 6 Req.	Zone 6 laid	Total Req.	Total laid
1	50	m	89	99	148		395	110	1,321		817	376	105		<b>2,874</b>	<b>585</b>
2	63	m	1,565	1,049	1,347		2,229	1,248	9,091	220	4,301	4,139	1,245	200	<b>19,779</b>	<b>6,854</b>
3	75	m	6,159	5,202	8,977	417	3,225	1,316	3,547	112	3,767	834	5,696	693	<b>31,371</b>	<b>8574</b>
4	90	m	784	846	2,028		457	114	1,528	88	1,692	511	2,950	1,026	<b>9,438</b>	<b>2,585</b>
5	110	m	22,142	21,628	10,047	102	9,887	1,678	17,355	2964	18,439	11096	12,750	4340	<b>90,621</b>	<b>41809</b>
6	125	m	818	326	781		-		592		739	165	926	513	<b>3,855</b>	<b>1,004</b>
7	140	m	157	125	-		-		306		374		-		<b>837</b>	<b>125</b>
8	160	m	239	227	503		-		-		-		1,666	282	<b>2,408</b>	<b>509</b>
9	180	m	-		-		642		917		227	167	278		<b>2,064</b>	<b>167</b>
10	200	m	1,337	1,293	-		-		811		-		-		<b>2,148</b>	<b>1,293</b>
11	225	m	-		-		-		263		671	635	-		<b>934</b>	<b>635</b>
12	250	m	1,994	1,932	-		-		-		978	537	1,741	1,525	<b>4,713</b>	<b>3,993</b>
13	280	m	-		-		-		-		278	207	-		<b>278</b>	<b>207</b>
14	315	m	857	914	981	983	-		7		517	476	1,617	1,323	<b>3,977</b>	<b>3,696</b>
15	355	m	-		-		-		-		-		277	235	<b>277</b>	<b>235</b>
16	500	m	-	-	-		1,946	1683	-				611		<b>2,557</b>	<b>1683</b>
<b>TOTAL</b>			<b>36,141</b>	<b>33,639</b>	<b>24,812</b>	<b>1502</b>	<b>18,780</b>	<b>6149</b>	<b>35,739</b>	<b>3383</b>	<b>32,799</b>	<b>19144</b>	<b>29,862</b>	<b>10137</b>	<b>178,132</b>	<b>73954</b>
% done				93.08		6.05		32.74		9.47		58.37		33.94		41.51

**Annex 7: CUMULATIVE ZONE WISE SEWER LINES REQUIRED AND LAID UP TO JUNE 2020**

N	pipe	Units	Reqd. Zone 2	Zone 2 laid pipes	Reqd. Zone 3	Zone 3 laid pipes	Reqd. Zone 4	Zone 4 laid	Reqd. Zone 5	Zone 5 laid	Reqd. Zone 6	Zone 6 laid	Bolnisi Reqd.	Bolnisi laid	Interceptor required	Interceptor laid	TOTAL REQD	Total laid pipes
1	DN 200	M	23,809	4978	11,142	868	25,135	722	23,651	11,880	27,442	6108	26,893	7129	0	0	138,072	31,685
2	DN 300	M	5,563	3207					432	305	1,061	216			3927	3070	10983	5,798
3	DN 400	M	385	1346			1,569		327		903				21,811	4017	24,995	5,363
4	DN 500	M	1,355								1,014						2,369	0
5	DN 800	M	957														957	0
6	PE 110 mm	M	515						148		480						1,143	0
7	PE 225 mm	M							1,660								1,660	0
8	PE 315 mm	M													564		564	0
9	PE 355 mm	M													3627	2434	3627	2,434
TOTAL			32,584	9532	11,142	868	26,704	722	26,218	11,994	30,900	6324	26,893	7129	29929	9521	184,370	46,281
% Completed				29.25		7.79		2.7		45.75		20.47		26.51		31.81		25.10