

Environmental Monitoring Report

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Tajikistan: Strengthening Technical and Vocational Education and Training

Prepared by Project Administration Group, Ministry of Labor, Migration and Employment of the Republic of Tajikistan for the Asian Development Bank

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TABLE OF CONTENT

- 1. INTRODUCTION 3
 - 1.1. Preamble 3
- 2. PROJECT DESCRIPTION AND CURRENT ACTIVITIES 4
 - 2.1. PROJECT DESCRIPTION 4
 - 2.2. Project contracts and management 7
 - 2.3. Construction activities and project progress in reporting period 12
 - 2.4. Changes in project design 12
 - 2.5. Changes in construction methods 12
- 3. ENVIRONMENTAL MANAGEMENT 13
 - 3.1. General Description of Environmental Safeguard Activities 13
 - 3.2. Site inspections 13
 - 3.3. Non-conformance notices 13
 - 3.4. Grievance redress mechanism 13
 - 3.5. Unanticipated Environmental Impacts or Risks 13
- 4. ENVIRONMENTAL MONITORING 15
 - 4.1. Water quality 15
 - 4.2. Air quality monitoring 15
 - 4.3. Noise monitoring 15
 - 4.4. Flora and fauna monitoring 15
 - 4.5. Summary of Monitoring Outcomes 15
 - 4.6. Grievance Redress Mechanisms functioning 21
- 5. FUNCTIONING OF THE SSEMP 21
- 6. SUMMARY AND RECOMENDATIONS 25

TABLES

- Table 1: List of sub-projects 5
- Table 2: Summary of Civil Works Contracts and works’ progress 9
- Table 3: Environmental Safeguards Activities Carried out During Reporting Period (January- March 2022) 13
- Table 4: Grant Agreement Compliance Status 15
- Table 5: Implementation Status of EMP during the construction and operation period 20
- Table 6: Status of SSEMPs 21

ABBREVIATIONS

ACM	Asbestos Containing Material
ADB	Asian Development Bank
ALC	Adult Learning Center
EMP	Environmental Management Plan
IEE	Initial Environmental Examination
LLC	Limited Liability Company
MOLME	Ministry of Labor, Migration and Employment
PAG	Project administration group
PPE	Personal Protective Equipment
SSEMP	Site-Specific Environmental Management Plan
TVET	Technical and Vocational Education and Training

1. INTRODUCTION

1.1. Preamble

This report is the Semi-annual environmental monitoring review of the “Strengthening Technical and Vocational Education and Training” project.

This 11th semi-annual report on environmental monitoring covers the period from January to December 2022 and presents the results of the monitoring of environmental safeguards implementation at rehabilitated facilities.

1.2. Headline Information

There are 40 sub-projects to be implemented within the Strengthening technical and vocational education and training project. Construction works for all 40 sub-projects were completed by 24 September 2021. Defect liability period started after completion construction works and lasted one year.

This report covers post construction period of subprojects.

2. PROJECT DESCRIPTION AND CURRENT ACTIVITIES

2.1. PROJECT DESCRIPTION

The Republic of Tajikistan has received Grant 0452/53/Loan 3309 from the Asian Development Bank (ADB) for implementing Strengthening Technical and Vocational Education and Training Project. The Project supports the expansion of quality training of unskilled youth and adults to prepare them for skilled employment in Tajikistan and abroad through upgrading of the public Technical and Vocational Education and Training (TVET) system. The upgraded system will train and empower individuals to move from unemployment and underemployment into higher-paying jobs, alleviating poverty by strengthening the livelihood opportunities of trainees and their families and increasing their ability to participate in national economic development.

Strengthening technical and vocational education and training project funding consists of an ADB US\$15 million loan, US\$ 15 million grant, co-financing of \$2 million from the Clean Energy Fund under the Clean Energy Financing Partnership Facility, and Government of Tajikistan \$2 million counterpart funds. The implementing agency is the Ministry of Labor, Migration and Employment (MOLME).

The Strengthening Technical and Vocational Education and Training Project supports the expansion of quality training of unskilled youth and adults to prepare them for skilled employment in Tajikistan and abroad through upgrading of the public TVET system. The upgraded system will train and empower individuals to move from unemployment and underemployment into higher-paying jobs, alleviating poverty by strengthening the livelihood opportunities of trainees and their families and increasing their ability to participate in national economic development.

The Project addresses a range of challenges faced by the public TVET system that provides most of Tajikistan's TVET: outdated curriculum and learning materials; obsolete and inadequate equipment; dilapidated instructional buildings; unmaintained and damaged dormitories; low-paid teachers and masters without updated training; very limited staff development and succession planning; little or no linkage with industry; outdated approaches to school management; weak interagency coordination; and continuing underinvestment generally. A large number of graduates are produced each year, but the training does not impart to them the modern skills and qualifications in demand in the labor market.

The outcome of the Project will be a national workforce with an increased proportion of skilled workers employed in Tajikistan. The outcome will be a demand-driven, quality-assured, and flexible TVET system responsive to labor market needs.

The Project has four outputs as follows: (i) TVET system methodology modernized; (ii) physical learning facilities in selected TVET institutions upgraded; (iii) access to quality TVET programs improved; and (iv) governance and management of TVET system strengthened.

The Project is classified as ADB Environmental Category B with the potential environmental impacts confined to activities within Output 2, Upgrade Physical Learning Facilities. This component consists of:

- civil works to rehabilitate existing buildings; and
- provision of new equipment to rehabilitated workshops, laboratories and other facilities.

The Project will rehabilitate physical facilities at 36 TVET institutions located throughout the country. The importance of the Project will be through its impact on the skills and employability of graduates of the rehabilitated TVET schools. The map showing location of the educational facilities covered by the Project is presented below.

The Figure 1 below shows the location of all Strengthening technical and vocational education and training sub-projects in the scale of country.

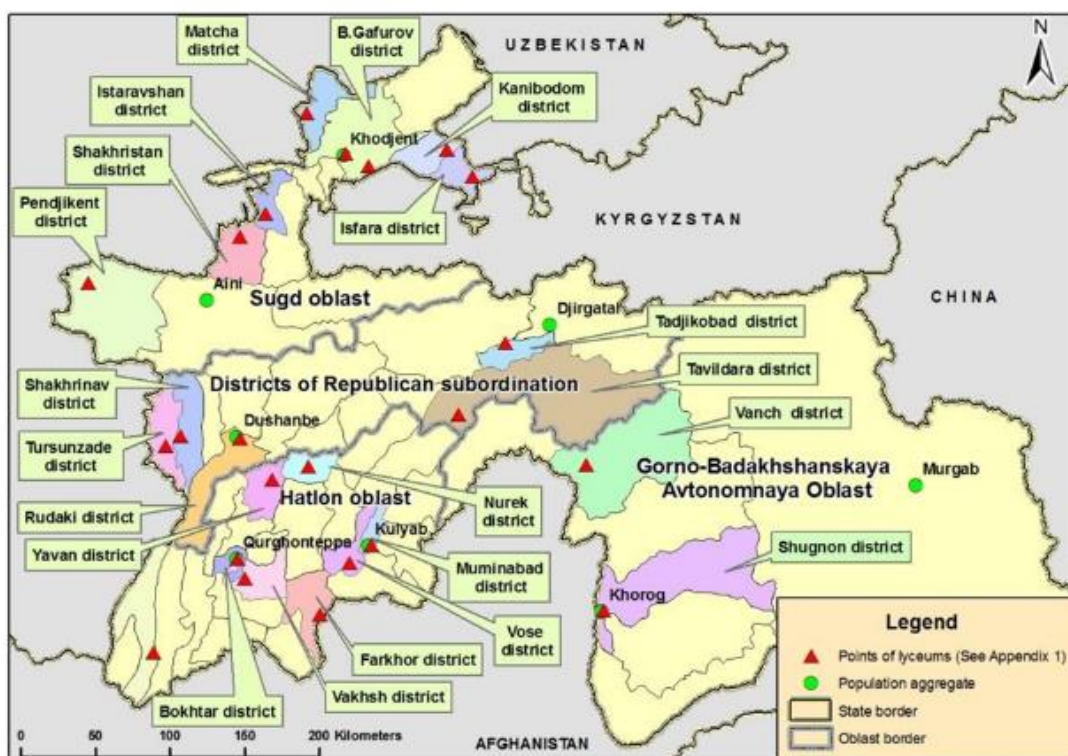


Figure 1: Location of the selected Strengthening technical and vocational education and training institutions

Table 1 presents the list of Strengthening Technical and Vocational Education and Training sub-projects and their status.

Table 1: List of sub-projects

No	CW Package	Facility name	Status
1	CW01-01	Rehabilitation of Construction Lyceum in Dushanbe	Completed at 19.08.2019
2		Rehabilitation of Polytechnic Lyceum in Dushanbe	Completed at 19.08.2019
3		Rehabilitation of Sewing Lyceum in Dushanbe	Completed at 19.08.2019
4	CW01-02 (CW19)	Rehabilitation of Auto Transport Lyceum in Dushanbe	Completed at 24.02.2021
5		Rehabilitation of Tourism Lyceum in Dushanbe	Completed at 24.02.2021

№	CW Package	Facility name		Status
6		Rehabilitation of Lyceum in Shahrinav		Completed at 05.05.2021
7	CW02	Rehabilitation of Polytechnic Lyceum in Khujand		Completed at 18.12.2019
8		Rehabilitation of Lyceum in Isfara		Completed at 19.12.2019
9		Rehabilitation of Lyceum Mastchoch		Completed at 19.12.2019
10		Rehabilitation of Adult learning center (ALC) Branch in Kanibadam		Completed at 19.12.2019
11		Rehabilitation of ALC Branch in Ghafurov		Completed at 19.12.2019
12		Rehabilitation of Construction Lyceum in Khujand		Completed at 18.12.2019
13	CW04	CW 18	Minor Renovation of Lyceum Panjakent	Completed at 25.12.2020
14		CW 19	Minor Renovation of Lyceum Istaravshan	Completed at 04.06.2021
15		CW 19	Minor Renovation of Lyceum Shariston	Completed at 04.06.2021
16	CW05	Minor Renovation of ALC Branch in Farhor.		Completed at 20.12.2019
17		Minor Renovation of Lyceum in Vose.		Completed at 20.12.2019
18		Minor Renovation of Agricultural Lyceum in Kulyab		Completed at 20.12.2019
19		Renovation of Construction Lyceum in Kulyab		Completed at 20.12.2019
20	CW06	Minor Rehabilitation of Lyceum in Bokhtar (Kurgan-Tube)		Completed at 25.12.2019
21		Minor Rehabilitation of Lyceum in Vakhsh		Completed at 25.12.2019
22		Minor Rehabilitation of ALC Branch in Yavan		Completed at 26.12.2019
23		Minor Rehabilitation of Branch of Vocational and Entrepreneurial Centre in Nurek		Completed at 26.12.2019
24		Rehabilitation of Lyceum in Shaartuz		Completed at 25.12.2019
25	CW07-01 (CW19)	Minor Rehabilitation of Lyceum in Tojikobod		Completed at 25.02.2021
26	CW07-02	Rehabilitation of Lyceum in Shugnon		Completed at 27.08.2019
27	CW08	Minor repair in Adult Learning Center branch in Vanj district		Completed at 12.07.2017

No	CW Package	Facility name	Status
28	CW09	minor repair in Adult Learning Center branch: Center of Vocational training and Entrepreneurship in Sangvor district	Completed at 16.06.2017
29	CW10	Rehabilitation of Bokhtar Energy Institute.	Completed at 27.09.2017
30	CW11	State Institution "Center for Training Methodology and Monitoring Education Quality" and "Engineering Pedagogical college in Dushanbe"	Completed at 06.01.2017
31	CW12-1	Rehabilitation of Polytechnic Lyceum in Khujand (Fund Clean Energy)	Completed at 30.04.2019
32	CW12-2	Rehabilitation of Construction Lyceum in Dushanbe (Fund Clean Energy)	Completed at 26.02.2019
33	CW13	Rehabilitation of Training Center	Completed
34	CW14	Rehabilitation of Regional Resource Centre in Bokhtar	Completed at 20.11.2018
35		Rehabilitation of Regional Resource Centre in Khujand	Completed at 20.11.2018
36	CW14	Rehabilitation of Regional Resource Centre in Kulyab	Completed at 20.11.2018
37	CW15	Mounting Elevator and Fire ladder to the main office of MOLME	Completed at 10.04.2020
38	CW16	Upgrading of one classroom for the national Competency-based training certification and accreditation in Districts of Republican Subordination	Completed at 10.04.2020
39	CW05-2a	Water supply in Vocational Agriculture Lyceum in Kulob (Dahana)	Completed at 20.12.2019
40	CW17	Minor rehabilitation of the Executive agency and Project administration group (PAG) offices	Completed at 24.09.2021

2.2. Project contracts and management

The Executive Agency (EA) for the project is MOLME. The Project Administrative Group (PAG) has been set up within MOLME for the management of the implementation contracts. The environmental and social safeguards expert in PAG was Mrs. Larisa Kamilova (till September 2019) and environmental safeguards consultant in PAG Mr. Dilshod Dadobaev. They are responsible for the coordination for environmental and social safeguards issues.

The Project Implementation Consultants (PIC), a joint venture led by GOPA with CAICO, supports the PAG. Currently, the PIC does not have any International and National Environmental Consultant in the team. The previous International consultant of the PIC Rangina Nazrieva left the project in December 2017. It was agreed with ADB that all functions on ensuring the environmental and social safeguards would be handled by PAG. In order to ensure environmental performance of the project, two new experts, namely Environmental and social safeguards specialist – Larisa Kamilova in February 2018 and Environmental and social safeguards consultant – Dilshod Dadobaev in March 2018, were recruited by the PAG. Environmental and social safeguards specialist – Larisa Kamilova left the project in October 2019 due to completion of the contract.

The project organization chart for reporting period is presented in Figure 2.

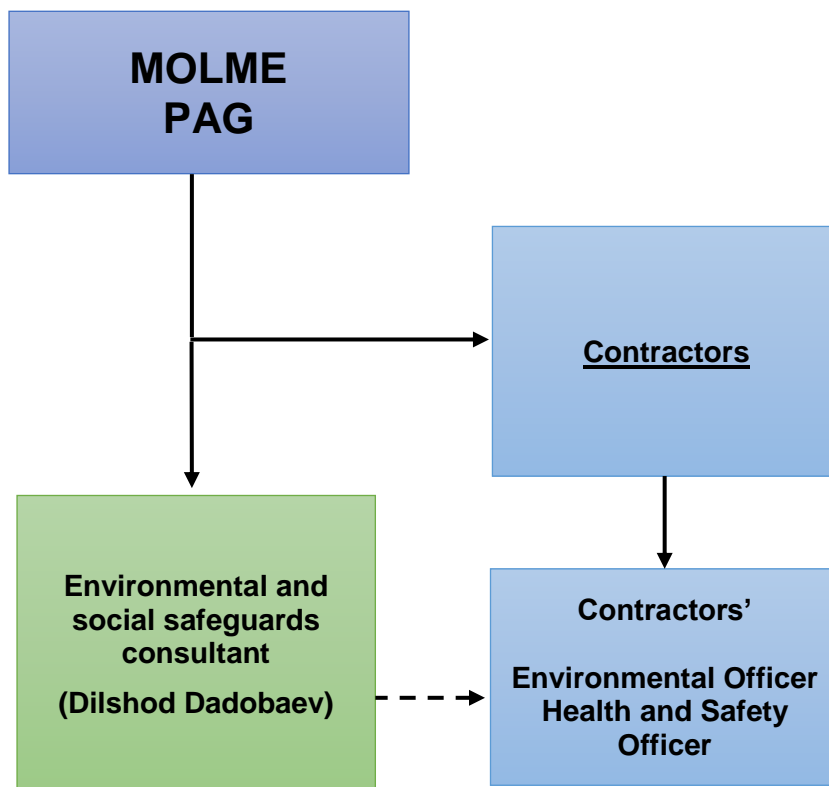


Figure 2: Environmental management of Strengthening Technical and Vocational Education and Training project

Summary of civil works contracts and works' progress is summarized in Table 2. All awarded contracts included EMPs (Environmental Management Plan) cleared by ADB and conditions of national IEE (Initial Environmental Examination) clearance. The national IEE covering entire scope of the project was submitted by the MOLME to the State ecological expertise of the Committee for environmental protection under the Government of Tajikistan on 03.06.2017. The "environmental appraisal/approval" was obtained from the State ecological expertise on 21.07.2017 (Registration No. 658-15). Conditions of the State ecological expertise clearance include following:

- Strictly comply with the norms and requirements of the legislation of the Republic of Tajikistan in the field of environmental protection, building codes and requirements (SNiP RT¹ 30-01-2007), sanitary and fire safety standards and requirements, during carrying out construction works at facilities;
- Set certain operation hours during carrying out construction work;
- Landscape the surroundings of buildings in accordance with the requirements of the norms and rules of construction SNiP RT 30.07-2007;
- The construction and solid household waste collected at the temporary point of waste removal must be placed in the prescribed manner in official landfills;
- Blown-out energy-saving lamps must be collected and transferred to processing organizations in accordance with the established procedure.

¹ SNiP RT – Sanitary Norms and rules

Table 2: Summary of Civil Works Contracts and works' progress

Package	Scope	Contractor	Signed	Approval Date			Environmental personnel		Civil Work		(% Progress by 31 Dec 2022)	Defect liability period	
				SSEMP	COVID-19 HSMP	ERP	Environmental officer	Health and Safety officer	Start	End		Start	End
CW01-01-A	Rehabilitation of Construction Lyceum in Dushanbe	OJSC Navbunyod	08.10.2018	15.10.2018	n/a	15.10.2018	Saydulloi Z.	Saydulloi Z.	10.2018	08.2019	100%	08.2019	08.2020
CW01-01-B	Rehabilitation of Polytechnic Lyceum in Dushanbe	OJSC Navbunyod	08.10.2018	15.10.2018	n/a	15.10.2018	Saydulloi Z.	Saydulloi Z.	10.2018	08.2019	100%	08.2019	08.2020
CW01-01-C	Rehabilitation of Sewing Lyceum in Dushanbe	OJSC Navbunyod	08.10.2018	15.10.2018	n/a	15.10.2018	Saydulloi Z.	Saydulloi Z.	10.2018	08.2019	100%	08.2019	08.2020
CW01-02-A	Rehabilitation of Auto Transport Lyceum in Dushanbe	OJSC Soleh va kompaniya (disqualified)	30.08.2018	11.09.2018	n/a	11.09.2018	Temurzoda Mahina	Temurzoda Mahina	09.2018	n/a	100%	02.2021	02.2022
CW19-A		Teodalit LLC	08.01.2021	19.01.2021	19.01.2021	19.01.2021	Abdurahmonov Eraj	Abdurahmonov Eraj	01.2021	02.2021			
CW01-02-B (CW19-B)	Rehabilitation of Tourism Lyceum in Dushanbe	OJSC Soleh va kompaniya (disqualified)	30.08.2018	11.09.2018	n/a	11.09.2018	Temurzoda Mahina	Temurzoda Mahina	09.2018	n/a	100%	02.2021	02.2022
		Teodalit LLC	08.01.2021	19.01.2021	19.01.2021	19.01.2021	Abdurahmonov Eraj	Abdurahmonov Eraj	01.2021	02.2021			
CW01-02-C	Rehabilitation of Lyceum in Shahrinav	OJSC Soleh va kompaniya (disqualified)	30.08.2018	11.09.2018	n/a	11.09.2018	Temurzoda Mahina	Temurzoda Mahina	09.2018	n/a	100%	06.2021	06.2022
		Teodalit LLC	08.01.2021	19.01.2021	19.01.2021	19.01.2021	Abrahmonzoda	Abrahmonzoda	01.2021	06.2021			
CW02 -A	Rehabilitation of Polytechnic Lyceum in Khujand	Tamirkor LLC	04.03.2019	08.04.2019	n/a	08.04.2019	Kurbonmadi Gulomkhaidar	Kurbonmadi Gulomkhaidar	04.2019	12.2019	100%	12.2019	12.2020
CW02 -B	Rehabilitation of Lyceum in Isfara	Tamirkor LLC	04.03.2019	08.04.2019	n/a	08.04.2019	Kurbonmadi Gulomkhaidar	Kurbonmadi Gulomkhaidar	04.2019	12.2019	100%	12.2019	12.2020
CW02 -C	Rehabilitation of Lyceum Mastchoch	Tamirkor LLC	04.03.2019	08.04.2019	n/a	08.04.2019	Kurbonmadi Gulomkhaidar	Kurbonmadi Gulomkhaidar	04.2019	12.2019	100%	12.2019	12.2020
CW02 -D	Rehabilitation of ALC Branch in Kanibadam	Tamirkor LLC	04.03.2019	08.04.2019	n/a	08.04.2019	Kurbonmadi Gulomkhaidar	Kurbonmadi Gulomkhaidar	04.2019	12.2019	100%	12.2019	12.2020
CW02 -E	Rehabilitation of ALC Branch in Ghafurov	Tamirkor LLC	04.03.2019	08.04.2019	n/a	08.04.2019	Kurbonmadi Gulomkhaidar	Kurbonmadi Gulomkhaidar	04.2019	12.2019	100%	12.2019	12.2020
CW02 -F	Rehabilitation of Construction Lyceum in Khujand	Tamirkor LLC	04.03.2019	08.04.2019	n/a	08.04.2019	Kurbonmadi Gulomkhaidar	Kurbonmadi Gulomkhaidar	04.2019	12.2019	100%	12.2019	12.2020
CW04-A	Minor Renovation of Lyceum Panjakent	Renta car Tajikistan (disqualified)	08.02.2019	19.04.2016	n/a	19.04.2016	Bobonazarov Shukhrat	Bobonazarov Shukhrat	04.2016	n/a	100%	12.2020	12.2022
		Tamirkor LLC	20.09.2020	08.10.2020	08.10.2020	08.10.2020	Kurbonmadi Gulomkhaidar	Kurbonmadi Gulomkhaidar	10.2020	12.2020			
CW04-B	Minor Renovation of Lyceum Istaravshan	Renta car Tajikistan (disqualified)	08.02.2019	19.04.2016	n/a	19.04.2016	Bobonazarov Shukhrat	Bobonazarov Shukhrat	04.2016	n/a	100%	06.2021	06.2022

Package	Scope	Contractor	Signed	Approval Date			Environmental personnel		Civil Work		(% Progress by 31 Dec 2022)	Defect liability period	
				SSEMP	COVID-19 HSMP	ERP	Environmental officer	Health and Safety officer	Start	End		Start	End
CW19-D		Teodalit LLC	08.01.2021	19.01.2021	19.01.2021	19.01.2021	Ubaydulloi Nematullo	Ubaydulloi Nematullo	01.2021	06.2021			
CW04-C	Minor Renovation of Lyceum Shahrison	Renta car Tajikistan (disqualified)	08.02.2019	19.04.2016	n/a	19.04.2016	Bobonazarov Shukhrat	Bobonazarov Shukhrat	04.2016	n/a	100%	06.2021	06.2022
CW19-E		Teodalit LLC	08.01.2021	19.01.2021	19.01.2021	19.01.2021	Ubaydulloi Nematullo	Ubaydulloi Nematullo	01.2021	06.2021			
CW05-A	Minor Renovation of ALC Branch in Farhor.	Yohsu LLC	30.10.2018	15.11.2019	n/a	15.11.2019	Boboeva Zebi	Boboeva Zebi	11.2019	12.2019	100%	12.2019	12.2020
CW05-B	Minor Renovation of Lyceum in Vose.	Yohsu LLC	30.10.2018	15.11.2019	n/a	15.11.2019	Boboeva Zebi	Boboeva Zebi	11.2019	12.2019	100%	12.2019	12.2020
CW05-C	Minor Renovation of Agricultural Lyceum in Kulyab	Yohsu LLC	30.10.2018	15.11.2019	n/a	15.11.2019	Boboeva Zebi	Boboeva Zebi	11.2019	12.2019	100%	12.2019	12.2020
CW05-D	Renovation of Construction Lyceum in Kulyab	Yohsu LLC	30.10.2018	15.11.2019	n/a	15.11.2019	Boboeva Zebi	Boboeva Zebi	11.2019	12.2019	100%	12.2019	12.2020
CW06-A	Minor Rehabilitation of Lyceum in Bokhtar (Kurgan-Tube)	"Guruhi Samimi Construction" LLC	29.01.2019	19.03.2019	n/a	19.03.2019	Homidov Firdavs	Homidov Firdavs	03.2019	12.2019	100%	12.2019	12.2020
CW06-B	Minor Rehabilitation of Lyceum in Vakhsh	"Guruhi Samimi Construction" LLC	29.01.2019	19.03.2019	n/a	19.03.2019	Homidov Firdavs	Homidov Firdavs	03.2019	12.2019	100%	12.2019	12.2020
CW06-C	Minor Rehabilitation of ALC Branch in Yavan	"Guruhi Samimi Construction" LLC	29.01.2019	19.03.2019	n/a	19.03.2019	Homidov Firdavs	Homidov Firdavs	03.2019	12.2019	100%	12.2019	12.2020
CW06-D	Minor Rehabilitation of Branch of Vocational and Entrepreneurial Centre in Nurek	"Guruhi Samimi Construction" LLC	29.01.2019	19.03.2019	n/a	19.03.2019	Homidov Firdavs	Homidov Firdavs	03.2019	12.2019	100%	12.2019	12.2019
CW06-E	Rehabilitation of Lyceum in Shaartuz	"Guruhi Samimi Construction" LLC	29.01.2019	19.03.2019	n/a	19.03.2019	Homidov Firdavs	Homidov Firdavs	03.2019	12.2019	100%	12.2019	12.2020
CW07-01	Minor Rehabilitation of Lyceum in Tojikobod	CJSC Sugdi SH (disqualified)	09.10.2018	31.10.2018	n/a	31.10.2018	Ibragimov N	Ibragimov N	10.2018	n/a	100%	02.2021	02.2022
CW19-D		Teodalit LLC	08.01.2021	19.01.2021	19.01.2021	19.01.2021	Akhmedov Iskandar	Akhmedov Iskandar	01.2021	02.2021			
CW07-02	Rehabilitation of Lyceum in Shugnon	Somon International LLC	15.10.2018	31.10.2018	n/a	31.10.2018	Saidafzalov S	Saidafzalov S	10.2018	08.2019	100%	08.2019	08.2020
CW08	Minor repair in Adult Learning Center branch in Vanj district (Badakhshan Mountainous Autonomous Region)	Vahand LLC	26.10.2016	10.11.2016	n/a	10.11.2016	Dodov J.	Dodov J	11.2016	07.2017	100%	07.2017	07.2018

Package	Scope	Contractor	Signed	Approval Date			Environmental personnel		Civil Work		(% Progress by 31 Dec 2022)	Defect liability period	
				SSEMP	COVID-19 HSMP	ERP	Environmental officer	Health and Safety officer	Start	End		Start	End
CW09	Minor repair in Adult Learning Center branch: Center of Vocational training and Entrepreneurship in Sangvor district (Districts of Republican Subordination)	Rahimboy LLC	28.10.2016	12.11.2016	n/a	12.11.2016	Rahimzoda M.	Rahimzoda M.	11.2016	06.2017	100%	06.2017	06.2018
CW10	Rehabilitation of Bokhtar Energy Institute.	Hamsafar LLC	27.12.2016	10.01.2017	n/a	10.01.2017	Halimov M.	Halimov M	01.2017	09.2017	100%	09.2017	09.2018
CW11	State Institution "Center for Training Methodology and Monitoring Education Quality" and "Engineering Pedagogical college in Dushanbe"	Somoncomse vice LLC	28.10.2016	14.11.2016	n/a	14.11.2016	Kabirov S.	Kabirov S.	11.2016	01.2017	100%	01.2017	01.2018
CW12-1	Rehabilitation of Polytechnic Lyceum in Khujand (Fund Clean Energy)	OJSC Imoratsoz	19.07.2018	30.07.2018	n/a	30.07.2018	Alimova Azizia	Alimova Azizia	07.2018	04.2019	100%	04.2019	04.2020
CW12-2	Rehabilitation of Construction Lyceum in Dushanbe (Fund Clean Energy)	Ijrokor LLC	06.08.2018	13.08.2018	n/a	13.08.2018	Mardonov A	Mardonov A	08.2018	02.2019	100%	02.2019	02.2020
CW13	Rehabilitation of Training Center	Camilot-2013 LLC	01.12.2017	15.02.2018	n/a	15.02.2018	Abdulloev Rustam	Abdulloev Rustam	02.2018	11.2018	100%	11.2018	11.2019
CW14	Rehabilitation of Regional Resource Centre in Bokhtar	Gairat M LLC	11 .06.2018	16.07.2018	n/a	16.07.2018			07.2018	11.2018	100%	11.2018	11.2019
CW14	Rehabilitation of Regional Resource Centre in Khujand	Gairat M LLC	11 .06.2018	16.07.2018	n/a	16.07.2018	Khudoyberdiev Abdumannon	Khudoyberdiev Abdumannon	07.2018	11.2018	100%	11.2018	11.2019
CW14	Rehabilitation of Regional Resource Centre in Kulyab	Gairat M LLC	11 .06.2018	16.07.2018	n/a	16.07.2018			07.2018	11.2018	100%	11.2018	11.2019
CW15	Mounting Elevator and Fire ladder to the main office of MOLME	Kal'asoz LLC	10.09.2019	20.02.2020	n/a	20.02.2020	Sharipov Gafor	Sharipov Gafor	02.2020	04.2020	100%	04.2020	04.2021
CW16	Upgrading of one classroom for the national Competency-based training certification and accreditation in Deistricts of Republican Subordination	Azamjon-s LLC	10.09.2019	30.09.2019	n/a	30.09.2019	Makhmadaliev Rajabali	Makhmadaliev Rajabali	09.2019	04.2020	100%	04.2020	04.2021
CW05-C-2	Water supply in Vocational Agriculture Lyceum in Kulob (Dahana)	Yohsu LLC	30.10.2018	15.11.2019	n/a	15.11.2019	Boboeva Zebi	Boboeva Zebi	11.2019	12.2019	100%	12.2019	12.2020
CW17	Minor rehabilitation of the Executive agency and PAG offices	Garmoniya LLC	01.02.2021	12.02.2021	12.02.2021	12.02.2021	Sharifov M	Sharifov M	02.2021	09.2021	100%	09.2021	09.2022

Note: The Month/Years in brackets are planned schedule.

COVID-19 HSMP = COVID-19 Health and Safety Management Plan, ERP = Emergency Response Plan, SSEMP = site-specific environmental management plan

2.3. Construction activities and project progress in reporting period

Construction works in all sub-projects are completed. No construction works were conducted during reporting period. Defects liability period for all facilities has concluded. Last facility for which the defects liability period concluded was CW17 Minor rehabilitation of Executive Agency and PAG offices in September 2022.

2.4. Changes in project design

No changes in project design were done in the reporting period.

2.5. Changes in construction methods

No changes in construction methods were done in the reporting period.

3. ENVIRONMENTAL MANAGEMENT

3.1. General Description of Environmental Safeguard Activities

PAG is responsible to carry out day-to-day management of project execution.

PAG submitted IEE to the State Ecological expertise of the Committee for environmental protection under Government of Tajikistan for getting their positive conclusion (clearance) on 3 June 2017. The positive conclusion was issued by State Ecological expertise on 21 July 2017. Conclusions were shared to the environmental departments of all project districts.

Environmental Safeguards team of the PAG conducted regular supervising of the construction works regarding implementation of environmental safeguards requirements and, in particular, for supervising and reporting on the Contractor's performance in the implementation of the EMP/SSEMP.

Activities carried out by national environmental consultant of PAG during the monitoring period are provided in Table 3 below.

Table 3: Environmental Safeguards Activities Carried out During Reporting Period (January-December 2022)

Environmental Safeguard Activities
The national environmental expert (Dilshod Dadobaev) of PAG
- Preparation of Semiannual Environmental Monitoring Report

3.2. Site inspections

The overall objective of the inspections is to ensure good environmental practice in project operations and enable PAG to establish good governance and efficient environmental management of day-to-day activities. During the reporting period no site inspection was conducted.

3.3. Non-conformance notices

During the reporting period (January–December 2022), there were not any non-conformances issues on environmental safeguards recorded. Total number of non-conformance issues observed was 9 from the beginning of sub-projects in 2017, including lack of Personal Protective Equipment (PPE), warning signs, partial absence of environmental documentations, insufficient number of fire-fighting equipment, first-aid means, containers in some of the projects, report quality and records on waste generation), which 100% have been closed. All identified issues were minor.

3.4. Grievance redress mechanism

The grievance redress mechanism is functioning in base of regional resource centers and PAG office in Dushanbe during operation period. No complaints were received in the reporting period.

3.5. Unanticipated Environmental Impacts or Risks

During the reporting period, COVID-19 is viewed as an unanticipated impact and risk to the

community and workers. There were no major delays during the monitoring period due to the COVID-19 situation. No cases of COVID-19 among workers were reported during the monitoring period.

4. ENVIRONMENTAL MONITORING

According to IEE/EMP/SSEMP, no parameters of water, air and noise are envisaged to be instrumentally measured during operational period.

4.1. Water quality

No instrumental measurements of water quality are foreseen for this Project according to IEE/EMP during operational period.

4.2. Air quality monitoring

No instrumental measurements of air quality are foreseen for this Project according to IEE/EMP during operational period.

4.3. Noise monitoring

A regular instrumental monitoring of noise and vibrations is not foreseen for this Project according to IEE/EMP during operational period.

4.4. Flora and fauna monitoring

A monitoring of flora and/or fauna is not foreseen for this Project according to IEE/EMP during operational period.

4.5. Summary of Monitoring Outcomes

Status of compliance with environmental safeguards related covenants in the Project's Grant Agreement signed between Republic of Tajikistan and ADB on 16 November 2015² is summarized in Table 4 below.

Table 4: Grant Agreement Compliance Status

Schedule	Paragraph	Covenant	Compliance Status
4	11(a)	<u>Environment</u> The Beneficiary shall ensure that any Works contract under the Project which involves environmental impacts shall not be awarded until the State Committee on Environment of the Beneficiary has granted the final approval of the IEE.	<u>Complied</u> The "environmental appraisal/approval" was obtained from the State ecological expertise on 21.07.2017 (Registration No. 658-15).
4	11(b)	The Beneficiary shall ensure that any Works contract under the Project which involves environmental impacts shall not be awarded until MOLME has incorporated the relevant provisions from the environmental management plan into the Works contract.	<u>Complied</u> All awarded contracts included EMPs cleared by ADB and conditions of national clearance.

² ADB. Grant Agreement (Special Operations) for Grant Strengthening Technical and Vocational Education and Training Project (16 November 2015): <https://www.adb.org/sites/default/files/project-document/177027/46535-001-fa1.pdf>

Schedule	Paragraph	Covenant	Compliance Status
5	13(a)	<p>Safeguard</p> <p>The Beneficiary shall ensure that the preparation, design, construction, implementation, operation and decommissioning of the Project and all Project facilities comply with all applicable laws and regulations of Beneficiary relating to environment, health and safety;</p>	<u>Complied</u>
5	13(b)	<p>The Beneficiary shall ensure that the preparation, design, construction, implementation, operation and decommissioning of the Project and all Project facilities comply with the Environmental Safeguards;</p>	<u>Complied</u>
5	13(c)	<p>The Beneficiary shall ensure that the preparation, design, construction, implementation, operation and decommissioning of the Project and all Project facilities comply with all measures and requirements set forth in the IEE, the EMP, and any corrective or preventative actions set forth in a Safeguards Monitoring Report</p>	<u>Complied</u>
5	14	<p>The Beneficiary shall make available necessary budgetary and human resources to fully implement the EMP</p>	<p><u>Complied.</u></p> <p>PAG recruited 2 NES. CSC also recruited IES in the middle of project implementation. By the end of the project only one National environmental consultant of PAG was working to ensure environmental compliance of the project</p>
5	15(a)	<p>The Beneficiary shall ensure that all bidding documents and contracts for Works contain provisions that require contractors comply with the measures relevant to the contractor set forth in the IEE and the EMP (to the extent they concern impacts on affected people during construction), and any corrective or preventative actions set forth in a Safeguards Monitoring Report;</p>	<u>Complied</u>
5	15(b)	<p>The Beneficiary shall ensure that all bidding documents and contracts for Works contain provisions that require contractors to make available a budget for all such environmental and social measures;</p>	<u>Complied</u>

Schedule	Paragraph	Covenant	Compliance Status
5	15(c)	The Beneficiary shall ensure that all bidding documents and contracts for Works contain provisions that require contractors to provide the government with a written notice of any unanticipated environmental, resettlement or indigenous peoples risks or impacts that arise during construction, implementation or operation of the Project that were not considered in the IEE and the EMP.	<u>Complied</u>
5	16(a)	The Beneficiary shall submit annual Safeguards Monitoring Reports to ADB and disclose relevant information from such reports to affected persons promptly upon submission;	<u>Complied.</u> PAG is regularly providing Environmental Monitoring Reports. The previous SAEMR (July-December 2021) has been disclosed at ADB website ³ in March 2022 and in Russian language at Strengthening Technical and Vocational Education and Training website ⁴ (all affected people understand Russian language).
5	16(b)	The Beneficiary shall if any unanticipated environmental and/or social risks and impacts arise during construction, implementation or operation of the Project that were not considered in the IEE and the EMP, promptly inform ADB of the occurrence of such risks or impacts, with detailed description of the event and proposed corrective action plan;	<u>Complied</u>
5	16(c)	The Beneficiary shall report any actual or potential breach of compliance with the measures and requirements set forth in the EMP promptly after becoming aware of the breach	<u>Complied</u>
5	17	The Beneficiary shall ensure that the Project does not have any indigenous peoples or involuntary resettlement impacts, all within the meaning of the Safeguard Policy Statement. In the event that the Project does have any such impact, the Beneficiary shall take all steps required to ensure that the Project complies with the applicable laws and regulations of the Beneficiary and with The Safeguard Policy Statement.	<u>Complied</u>

³ ADB website: <https://www.adb.org/projects/documents/taj-46535-001-emr-8>

⁴ TVET website: <http://seep.tj/files/3/Information%20materials/Ru/46535-001-emr-ru%20Jul-Dec%202021.pdf> (All affected people speaks Russian and better understand technical and technical terms in Russian than Tajik)

Schedule	Paragraph	Covenant	Compliance Status
5	19(a)	<p>Labor Standards, Health and Safety</p> <p>The Beneficiary shall ensure that the core labor standards and the Beneficiary's applicable laws and regulations are complied with during Project implementation. The Beneficiary shall include specific provisions in the bidding documents and contracts financed by ADB under the Project requiring that the contractors, among other things, comply with the Beneficiary's applicable labor law and regulations and incorporate applicable workplace occupational safety norms;</p>	<u>Complied.</u>
5	19(b)	<p>The Beneficiary shall ensure that the core labor standards and the Beneficiary's applicable laws and regulations are complied with during Project implementation. The Beneficiary shall include specific provisions in the bidding documents and contracts financed by ADB under the Project requiring that the contractors, among other things, do not use child labor;</p>	<u>Complied</u>
5	19(c)	<p>The Beneficiary shall ensure that the core labor standards and the Beneficiary's applicable laws and regulations are complied with during Project implementation. The Beneficiary shall include specific provisions in the bidding documents and contracts financed by ADB under the Project requiring that the contractors, among other things, do not discriminate workers in respect of employment and occupation;</p>	<u>Complied</u>
5	19(d)	<p>The Beneficiary shall ensure that the core labor standards and the Beneficiary's applicable laws and regulations are complied with during Project implementation. The Beneficiary shall include specific provisions in the bidding documents and contracts financed by ADB under the Project requiring that the contractors, among other things, do not use forced labor;</p>	<u>Complied</u>
5	19(e)	<p>The Beneficiary shall ensure that the core labor standards and the Beneficiary's applicable laws and regulations are complied with during Project implementation. The Beneficiary shall include specific provisions in the bidding documents and contracts financed by ADB under the Project requiring that the contractors, among other things, allow freedom of association and effectively recognize the right to collective bargaining;</p>	<u>Complied</u>
5	19(f)	<p>The Beneficiary shall ensure that the core labor standards and the Beneficiary's</p>	<u>Complied</u>

Schedule	Paragraph	Covenant	Compliance Status
		<p>applicable laws and regulations are complied with during Project implementation. The Beneficiary shall include specific provisions in the bidding documents and contracts financed by ADB under the Project requiring that the contractors, among other things, disseminate, or engage appropriate service providers to disseminate, information on the risks of sexually transmitted diseases, including HIV/AIDS, to the employees of contractors engaged under the Project and to members of the local communities surrounding the Project area, particularly women</p>	
5	20	<p>The Beneficiary shall strictly monitor compliance with the requirements set forth in paragraph 19 above and provide ADB with regular reports.</p>	<p><u>Complied.</u></p>

Status of compliance with the Project EMP attached to IEE is summarized in Table 5.

Strengthening Technical and Vocational Education and Training

Table 5: Implementation Status of EMP during the construction and operation period

Subject	EMP Requirement	Compliance Attained	Comment on Reasons for Partial or Non-Compliance	Required Action and Target Dates to Achieve Compliance
Operation Phase				
Environmental impacts related to the education process	Procurement of TVET equipment enabling minimal impacts on the environment and health (for all lyceums and ACLs) by the PAG	Yes		
	Preparation of Environmental Management Plans for operations (for all lyceums and ACLs) by the PAG	Yes		

Strengthening Technical and Vocational Education and Training

4.6. Grievance Redress Mechanisms functioning

PAG installed information boards in every rehabilitated object that people will be able to get more information about the project. During this period, no complaints were received from stakeholders and individual people.

5. FUNCTIONING OF THE SSEMP

Contractors prepared SSEMPs which were approved by PAG before the commencement of construction works. Status of SSEMPs for each sub-project construction site is provided in Table 6 below.

Table 6: Status of SSEMPs

Management Plan	Status	Note
Contractor LLC Samimi Constraction		
Environmental Management Plan/Site-Specific Environmental Management Plan with Annexes - Waste management plan for construction phase, Emergency response plan, Health and Safety protection plan, Plan for consideration of Complaints, Dust control plan, Noise management plan, Monitoring, ACM Management plan, traffic and road safety management plan, for: <ul style="list-style-type: none"> - Technical Vocational Lyceum in Vakhsh - Technical Vocational Lyceum in Bokhtar - Technical Vocational Lyceum in Shaartuz - Adult learning center Branch in Yavan - Vocational and Entrepreneurial Centre in Nurek 	SSEMPs revised and approved by PAG in February 2019 before commencement of civil works	Scan letter from PAG with approval of SSEMP is in place
Contractor LLC Tamirkor		
Environmental Management Plan/Site-Specific Environmental Management Plan with Annexes - Waste management plan for construction phase, Emergency response plan, Health and Safety protection plan, Plan for consideration of Complaints, Dust control plan, Noise management plan, Monitoring, traffic and road safety management plan, for: <ul style="list-style-type: none"> - Polytechnic Lyceum in Khujand - Vocational Lyceum of oil and gas in Isfara - Technical Vocational Construction Lyceum in Khujand - Vocational Agricultural Lyceum in Mastchoh - Adult learning center Branch in B.Gafurov - Adult learning center Branch in Kanibadam 	SSEMPs revised and approved by PAG in March 2019 before commencement of civil works	Scan letter from PAG with approval of SSEMP is in place
Contractor LLC ReNta KaR		
Environmental Management Plan/Site-Specific Environmental Management Plan with Annexes - Waste management plan for construction phase, Emergency response plan, Health and Safety protection plan, Plan for consideration of Complaints, Dust	SSEMPs revised and approved by PAG in March 2019	Scan letter from PAG with approval of

Strengthening Technical and Vocational Education and Training

control plan, Noise management plan, Monitoring, ACM Management plan, traffic and road safety management plan, for: <ul style="list-style-type: none"> - Technical Vocational Lyceum in Istaravshan - Technical Vocational Lyceum in Shahristan - Technical Vocational Lyceum in Panjakent 	before commencement of civil works	SSEMP is in place
Contractor LLC Somon International		
Environmental Management Plan/Site-Specific Environmental Management Plan with Annexes - Waste management plan for construction phase, Emergency response plan, Health and Safety protection plan, Plan for consideration of Complaints, Dust control plan, Noise management plan, Monitoring, ACM Management plan, traffic and road safety management plan, for: <ul style="list-style-type: none"> - Agricultural Lyceum in Kulob (Dahana) for borehole 	SSEMPs revised and approved by PAG in May 2019 before commencement of civil works	Scan letter from PAG with approval of SSEMP is in place
Contractor OJSC Imoratsoz		
Environmental Management Plan/Site-Specific Environmental Management Plan with Annexes - Waste management plan for construction phase, Emergency response plan, Health and Safety protection plan, Plan for consideration of Complaints, Dust control plan, Noise management plan, Monitoring, traffic and road safety management plan, for: <ul style="list-style-type: none"> - Polytechnic Lyceum in Khujand, Clean energy 	SSEMPs revised and approved by PAG in 30 July 2018	Scan letter from PAG with approval of SSEMP is in place
Contractor LLC Ijrokor		
Environmental Management Plan/Site-Specific Environmental Management Plan with Annexes - Waste management plan for construction phase, Emergency response plan, Health and Safety protection plan, Plan for consideration of Complaints, Dust control plan, Noise management plan, Monitoring, ACM Management plan, traffic and road safety management plan, for: <ul style="list-style-type: none"> - Construction Lyceum in Dushanbe, Clean energy 	SSEMPs revised and approved by PAG in 13 August 2018	Scan letter from PAG with approval of SSEMP is in place
Contractor OJSC Soleh I Kompaniya		
Environmental Management Plan/Site-Specific Environmental Management Plan with Annexes - Waste management plan for construction phase, Emergency response plan, Health and Safety protection plan, Plan for consideration of Complaints, Dust control plan, Noise management plan, Monitoring, ACM Management plan, traffic and road safety management plan, for: <ul style="list-style-type: none"> - Autotransport Lyceum in Dushanbe - Tourism and service lyceum in Dushanbe - Technical Vocational Lyceum in Shahrinav 	SSEMPs revised and approved by PAG in 11 September 2018	Scan letter from PAG with approval of SSEMP is in place
Contractor OJSC Navbunyod		
Environmental Management Plan/Site-Specific Environmental Management Plan with Annexes - Waste management plan for construction phase, Emergency response plan, Health and	SSEMPs	Scan letter from PAG with approval of

Strengthening Technical and Vocational Education and Training

<p>Safety protection plan, Plan for consideration of Complaints, Dust control plan, Noise management plan, Monitoring, ACM Management plan, traffic and road safety management plan, for:</p> <ul style="list-style-type: none"> - Polytechnic Lyceum in Dushanbe - Construction lyceum in Dushanbe <p>Sewing Lyceum in Dushanbe</p>	<p>revised and approved by PAG in 15 October 2018</p>	<p>SSEMP is in place</p>
<p>Contractor CJSC Sugdi SH</p>		
<p>Environmental Management Plan/Site-Specific Environmental Management Plan with Annexes - Waste management plan for construction phase, Emergency response plan, Health and Safety protection plan, Plan for consideration of Complaints, Dust control plan, Noise management plan, Monitoring, ACM Management plan, traffic and road safety management plan, for: Technical Vocational Lyceum in Tojikobod</p>	<p>SSEMPs revised and approved by PAG in 31 October 2018</p>	<p>Scan letter from PAG with approval of SSEMP is in place</p>
<p>Contractor LLC Somon International</p>		
<p>Environmental Management Plan/Site-Specific Environmental Management Plan with Annexes - Waste management plan for construction phase, Emergency response plan, Health and Safety protection plan, Plan for consideration of Complaints, Dust control plan, Noise management plan, Monitoring, ACM Management plan, traffic and road safety management plan, for:</p> <ul style="list-style-type: none"> - Technical Vocational Lyceum in Shugnon 	<p>SSEMPs revised and approved by PAG in 31 October 2018</p>	<p>Scan letter from PAG with approval of SSEMP is in place</p>
<p>Contractor LLC Somon International</p>		
<p>Environmental Management Plan/Site-Specific Environmental Management Plan with Annexes - Waste management plan for construction phase, Emergency response plan, Health and Safety protection plan, Plan for consideration of Complaints, Dust control plan, Noise management plan, Monitoring, ACM Management plan, traffic and road safety management plan, for:</p> <ul style="list-style-type: none"> - Technical Vocational Lyceum in Vose - Construction Lyceum in Kulob - Agricultural Lyceum in Kulob (Dahana) - Agricultural Lyceum in Kulob (Dahana) Water supply - ALC in Farkhor 	<p>SSEMPs revised and approved by PAG in 15 November 2018</p>	<p>Scan letter from PAG with approval of SSEMP is in place</p>
<p>Contractor LLC Azamjon S</p>		
<p>Environmental Management Plan/Site-Specific Environmental Management Plan with Annexes - Waste management plan for construction phase, Emergency response plan, Health and Safety protection plan, Plan for consideration of Complaints, Dust control plan, Noise management plan, Monitoring, ACM Management plan, traffic and road safety management plan, for:</p> <ul style="list-style-type: none"> - Renovation one classes for Competency-based training certification and Accreditation in Districts of Republican Subordination 	<p>SSEMPs revised and approved by PAG in 30 September 2019</p>	<p>Scan letter from PAG with approval of SSEMP is in place</p>

Strengthening Technical and Vocational Education and Training

Contractor LLC Tamirkor		
<p>Environmental Management Plan/Site-Specific Environmental Management Plan with Annexes - Waste management plan for construction phase, Emergency response plan, Health and Safety protection plan, Plan for consideration of Complaints, Dust control plan, Noise management plan, Monitoring, traffic and road safety management plan, for:</p> <ul style="list-style-type: none"> - Technical Vocational Construction Lyceum in Panjakent 	<p>SSEMPs revised and approved by PAG in October 2020 before commencement of civil works</p>	<p>Scan letter from PAG with approval of SSEMP is in place</p>
Contractor LLC Totalit		
<p>Environmental Management Plan/Site-Specific Environmental Management Plan with Annexes - Waste management plan for construction phase, Emergency response plan, Health and Safety protection plan, Plan for consideration of Complaints, Dust control plan, Noise management plan, Monitoring, traffic and road safety management plan, for:</p> <ul style="list-style-type: none"> - Rehabilitation of Auto Transport Lyceum in Dushanbe - Rehabilitation of Tourism Lyceum in Dushanbe - Rehabilitation of Lyceum in Shahrinav - Minor Renovation of Lyceum Istaravshan - Minor Renovation of Lyceum Shariston - Minor Rehabilitation of Lyceum in Tojikobod 	<p>SSEMPs revised and approved by PAG in January 2021 before commencement of civil works</p>	<p>Scan letter from PAG with approval of SSEMP is in place</p>
Contractor LLC Garmoniya		
<p>Environmental Management Plan/Site-Specific Environmental Management Plan with Annexes - Waste management plan for construction phase, Emergency response plan, Health and Safety protection plan, Plan for consideration of Complaints, Dust control plan, Noise management plan, Monitoring, traffic and road safety management plan, for:</p> <ul style="list-style-type: none"> - Minor rehabilitation of the EA ang PAG offices 	<p>SSEMPs revised and approved by PAG in February 2021 before commencement of civil works</p>	<p>Scan letter from PAG with approval of SSEMP is in place</p>

6. SUMMARY AND RECOMENDATIONS

The project is in the stage of final phase of implementation. All construction works in all subprojects are completed at 100%.

During the reporting period, no environmental impacts were caused by the project implementation, and no complaints regarding to environmental issues associated with project activities were received from the local population.