

Environmental Monitoring Report

Annual Report

January-December 2019

May 2020

L3284-ARM: Seismic Safety Improvement Program

Prepared by the Armenian Territorial Development Fund for the Government of the Republic of Armenia and for the Asian Development Bank.

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Annual Environmental Monitoring Report

Project Number: 49078

Jan-Dec 2019

Republic of Armenia: Seismic Safety Improvement Program (Financed by the ADB)

Prepared by Armenian Territorial Development Fund
Yerevan, Armenia

For Asian Development Bank

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Abbreviations

ADB	Asian Development Bank
AEMR	Annual Environmental Monitoring Review
ARRM	Armenian Regional Resident Mission
ATDF	Armenian Territorial Development Fund
EIEC	Environmental Impact Expertise Centre
EMP	Environmental Management Plan
IEE	Initial Environmental Examination
GoA	Government of the Republic of Armenia
JV	Joint Venture
MoE	Ministry of Environment
MoESCS	Ministry of Education, Science, Culture and Sport
MoTAD	Ministry of Territorial Administration and Development
PAAR	Preliminary Assessment Application Report
RA	Republic of Armenia
SSIP	Seismic Safety Improvement Program
TSC	Technical Supervision Consultant

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1 INTRODUCTION

1.1 Preamble

1. This report represents the Annual Environmental Monitoring Report (AEMR) for SEISMIC SAFETY IMPROVEMENT PROGRAM (SSIP).
2. The report was prepared by ATDF's environmental safeguard specialist in the frame of annual monitoring reporting to ADB and represents the 2nd AEMR for the Program.

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2 PROJECT DESCRIPTION AND CURRENT ACTIVITIES

2.1 Program Description

3. The SSIP will support the implementation of National Strategy for Disaster Risk Reduction by (i) improving school seismic safety to reduce casualties and damages in schools during earthquakes, and (ii) enabling better use of school buildings as shelters for the general public and as focal points for emergency response after earthquakes.
4. The Program supports the objective of equitable and sustainable urban development under the results framework of ADB's country partnership strategy for Armenia, 2014–2018.¹
5. The Loan 3284-ARM for the SSIP was approved on 22 September 2015 and became effective on 22 December 2015. The physical closing date is November 2023.
6. The Ministry of Territorial Administration and Development renamed to Ministry of Territorial Administration and Infrastructure (MoTAI) in 2019 is the executing agency and the Armenian Territorial Development Fund (ATDF) is the program implementing agency. The ATDF Board will serve as the program steering committee to oversee the program implementation. It will set the policy guidelines and strategic direction for the program. A focal unit for the program is established in ATDF to monitor and report on progress in attaining DLIs.
7. The program has been classified as ADB's category "B" for environment. Every project to be included in the SSIP is screened to confirm its environment category based on School selection screening checklist to ensure that any activities, which could fall under ADB's "A"-category, are excluded from the Program.

¹ Country Partnership Strategy: Armenia, 2014–2018. ADB. 2015. Manila.

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2.2 Program Contracts and Management

8. The organizations and main contractors involved in the Program and related contacts are presented in Table 2-1.
9. At the design phase of school buildings, ATDF's environmental safeguard specialist worked with the designers' environmental specialists (see names in Table 2-1) on the preparation of preliminary assessment application reports (PAAR) for each school design. ATDF monitored and provided recommendations on all the documents and procedures required for environmental state expertise to ensure timely implementation of an environmental-related component of the Program.
10. PAARs were prepared for the schools with a construction area of more than 1500 sq m as this type of activities according to the RA law on "Environmental Impact Assessment and Expertise" of July, 2014 require environmental state expertise and positive environmental conclusion from the Ministry of Environment (MoE). All the designs of schools requiring environmental state expertise were received positive conclusions from the MoE.
11. For the school (namely Yerevan N 51 school) with a construction area² less than 1 500 sq m, an initial environmental examination (IEE)³ report was prepared by the ATDF. The scope and content of the IEE was discussed and agreed with the ADB's consultant.
12. The environmental management plans (EMP) for each school design were developed by the ATDF's environmental safeguard specialist. The EMPs were attached to PAAR, as well as were enclosed in the bidding documents for civil works.
13. At the construction phase of schools, ATDF's environmental specialists conducted visits to the schools' construction sites according to the monitoring plan. During the site visits, non-compliances with EMPs were communicated with the construction personnel and technical supervision consultant.
14. Requests⁴ for corrective actions were communicated by the ATDF through emails to contractors and technical supervision consultant (TSC).

² See paragraph 10. The projects with construction area less than 1 500 sq. m are not a subject for environmental state expertise by the MoE.

³ The IEE report is required for the ADB "B" category projects. The IEE has more limited scope and content than PAAR.

⁴ See about the request of corrective action in paragraph 27.

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Table 2-1. Main organizations involved in the SSIP in 2019 and their contact details.

Contractor	Representative	Phone number	E-mail	Program activity
ATDF	A. Soghomonyan <i>Executive director</i>	+374 10 247 123	artur.soghomonyan@atdf.am	Program implementation
ATDF	A. Kirakosyan <i>Former Executive director</i>	+374 10 247 123	a.kirakosyan@atdf.am	Program implementation
ATDF	H. Galstyan <i>Program Coordinator</i>	+374 10 247 123(110)	h.galstyan@atdf.am	Program implementation
ATDF	R. Terzyan <i>Head of Program Appraisal and Analysis Group</i>	+374 10 247 123(403)	r.terzyan@atdf.am	Program implementation
ATDF	L. Gevorgyan <i>Environmental Safeguard Specialist</i>	+374 10 247 123(304)	l.gevorgyan@atdf.am	Program implementation
ATDF	K. Grigoryan <i>Social Safeguard Specialist</i>	+374 10 247 123(305)	k.grigoryan@atdf.am	Program implementation
JV of “Mara ev Dustrer” LLC & “Engineering Evros” LLC	M. Husnyan, A. Poghosyan <i>Architect-designers</i>	+374 93 434 858	maraevdustrer@gmail.com	Design
JV of “Mara ev Dustrer” LLC & “Engineering Evros” LLC	A. Grigoryan <i>Environmental Specialist</i>	+374 55 997 041	maraevdustrer@gmail.com	Design
JV of “Movartstudio” LLC & “Glomma” PC	Q. Sahakyan <i>Environmental Specialist</i>	+37491 529 327	eco-peace@rambler.ru	Design
“Engineering Evros” LLC	A. Poghosyan <i>Construction contractor</i>	+374 91 888 444	engevros@mail.ru	Design
“HGSN” LLC	V. Hovakimyan <i>Construction contractor</i>	+374 10 278 452	hgsn@arminco.com	Design

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"Goghtn" LLC	A. Hovakimyan <i>Construction contractor</i>	+374 55 888 999	artavazd.nazaretyan@mail.ru	Design
"Nom Proekt" LLC	V. Sargsyan <i>Construction contractor</i>	+374 94 418 269	nomproject@gmail.com	Design
"Shinindustia" STC LLC	K. Shvarshyan <i>Technical supervision consultant</i>	+374 93 377 746	shinindustria-gtk@yandex.ru	Technical Supervision
"Shinindustia" STC LLC	A. Gabrielyan <i>Environmental Specialist</i>	+374 93 189 977	arpi.gabrielyan@gmail.com	Technical Supervision
"Durgabshin" LLC	Y. Aghabalyan <i>Technical supervision consultant</i>	+374 94 220 946	gasparann@yahoo.com	Technical supervision
"Husali Kamar" LLC	V. Araqelyan <i>Technical supervision consultant</i>	+374 41 777 777	husali-kamar@mail.ru	Technical supervision
"Husali Kamar" LLC	G. Veranyan <i>Environmental Specialist</i>	+374 229 690	g.v.91@bk.ru	Technical supervision
"Arpa-Sevan" OJSC	P. Hakobyan <i>Construction contractor</i>	+374 10 260 862	info@arpa-sevan.am	Construction
"Vararakn" CJSC	A. Budaghyan <i>Construction contractor</i>	+374 93 094-444	vararakn@mail.ru	Construction
"Gharabaghtsyan-Shin" LLC	G. Karabaghtsyan <i>Construction contractor</i>	+374 94 204 701	ghnew@mail.ru	Construction
"Bagramyanshin" OJSC	G. Vardanyan <i>Construction contractor</i>	+374 93 40 20 85	bshin@mail.ru	Construction
"Agat 777" LLC	D. Esayan <i>Construction contractor</i>	+374 99 209 50	agat-777llc@mail.ru	Construction
"Akhuryani Coopshin" LLC	H. Tonoyan <i>Construction contractor</i>	+374 91 408 350	info@akhurani-coopshin.am	Construction
"Hydroenshin" LLC	V. Vardanyan <i>Construction contractor</i>	+374 91 402 031	hydroshin@mail.ru	Construction

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"Bazalt-M" LLC	G. Hovakimyan <i>Construction contractor</i>	+374 94 077 775	info@bazalt-m.am	Construction
JV of "Europe" LLC & "Bedeck" LLC	H. Papoyan <i>Construction contractor</i>	+374 10 444 780	info@europellc.am	Construction

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2.3 Project Activities during Current Reporting Period

15. During the reporting year, the construction activities of 3 schools (namely Yerevan No 51 school, “Heratsi” high school, Stepanavan No 3 school) were launched, as well as the works were relaunched at Yeghegnadzor No 2 school site which was stopped in 2018 due to the archaeological finds.
16. The construction activities of Stepanavan No 3 school were temporarily stopped in 2019 due to the unexpected geological issues. Selection of a consulting company to do the redesign was announced in February, 2020.
17. The summary table of Program activities in 2019 is introduced in Table 2-2 below.

Table 2-2. Name of the schools and statues of construction works in 2019.

No	School Name	Site Location	Status of construction	Start of construction (mm/dd/yy)
1.	Vanadzor No 7 school	Vanadzor Municipality, <i>Lori Marz</i>	Ongoing (Finishing stage)	04/10/2017
2.	Yerevan No 153 school	Yerevan Municipality	Ongoing (Finishing stage)	07/21/2017
3.	Nor Kharberd No 2 school	Nor-Kharberd Community, <i>Ararat Marz</i>	Ongoing	08/11/2017
4.	Kapan No 7 school	Kapan Municipality, <i>Syuniq Marz</i>	Ongoing	08/14/2017
5.	Yerevan No 135 school	Yerevan Municipality	Ongoing	08/21/2017
6.	Gavar No 2 school	Gavar Municipality, <i>Gegharquniq Marz</i>	Ongoing	11/01/2017
7.	Stepanavan No 3 school	Stepanavan Municipality, <i>Yerevan Municipality</i>	Stopped	04/01/2019
8.	Yerevan No 51 school	Yerevan Municipality	Ongoing	07/29/2019
9.	Yeghegnadzor No 2 school	Yeghegnadzor Municipality, <i>Vayots Dzor Marz</i>	Ongoing	08/23/2019
10.	“Heratsi” high school	Yerevan Municipality	Ongoing	11/08/2019

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2.4 Description of Any Changes to Project Design

18. During the reporting year, the changes in the design of Yeghegnadzor No 2 school were made. As a result of the redesign, the school building was moved about 8m to south-west within the Yeghegnadzor No 2 school territory in order to protect the archaeological finds discovered in 2017.
19. A new environmental state expertise procedure was conducted for the redesign of Yeghegnadzor No 2 school. The proposed activity has received a positive conclusion from the MoE.
20. In the redesigning phase of Yeghegnadzor No 2 school, the changes in the school design and their impacts on the environment were considered in PAAR and EMP documents. According to the assessment, the design changes will impact 48 trees (3-4 years old apple trees) that are envisaged to replant within the school territory in spring, 2020. The replanting will be conducted jointly by the contractor, school community and Yeghegnadzor community administration under the direct coordination of the ATDF.
21. The previous contract for the Yeghegnadzor No 2 school construction with “Bagramyanshin” OJSC, was terminated in 2019. In the reporting year as a result of a new bidding a JV of “Europe” LLC & “Bedeck” LLC won the contract.
22. No other changes in the designs of schools were made in the reporting year.

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3 ENVIRONMENTAL SAFEGUARD ACTIVITIES

3.1 General Description of Environmental Safeguard Activities

23. Environmental and social safeguards implementation was monitored by the ATDF's environmental and social safeguards specialist through bi-monthly site visits to each school under the construction, and in the winter season (December, January) through monthly visits because of the small volume of construction activities.
24. Daily monitoring of the implementation of the environmental safeguards was conducted by the TSC present on the sites permanently and reported to the ATDF monthly.
25. During the ATDF's monitoring visits the non-conformances with EMPs were recorded in the monitoring checklist, the format of which is set up by the EARF document prepared for the SSIP. The monitoring checklist for the site visit of Yeghegnadzor No 2 school is presented in Annex 7.3.
26. Non-conformances with the EMPs and corrective actions to address the issues were communicated both with the contractors' and TSC's personnel. Minor issues were corrected immediately by the workers, while other findings were registered in the environmental non-conformances and issues tracking system⁵.
27. ATDF was sending corrective action request letters to the contractors' and TSCs' representatives. The letters of request described the findings on-sites, plan of corrective actions and deadlines to be followed, as well as an explanation of the reporting procedure set-up by the ATDF.
28. The statues of corrective actions were photographed and reported to ATDF by the construction site managers and TSC's representatives. ATDF considered non-conformances addressed and closed after conducting a monitoring visit and verifying the status of activities on sites.
29. In the frame of ADB's mission jointly with ATDF's environmental specialist, monitoring visits were conducted to Yerevan No 135 school site on March 12, and Yeghegnadzor No 2 school construction site on October 23 and December 3 in 2019. The ADB's missions were conducted by A. Yedigaryan and Duncan A. Lang on March 12 and October 23; and A. Yedigaryan and G. Mousaelyan on

⁵ See the environmental issues tracking excel workbook in Annex 3, Manual for Monitoring of Environmental Safeguards implementation. The role of the Project Implementation Unit (PIU). July 2018.

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December 3. During the missions, it was found that the health and safety measures, particularly while working on heights were not properly implemented at Yerevan No 135 school construction site. No significant environmental, health and safety non-conformance was detected at Yeghegnadzor No 2 school site.

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4 RESULTS OF ENVIRONMENTAL MONITORING

4.1 Overview of Monitoring Measurements Conducted During Current Period

30. In the scope of the program, from the cost-effectiveness perspective the monitoring measurements of environmental parameters on dust, water, noise and vibration shall be implemented depending on project specific characteristics: proximity to water bodies, to sensitive receptors, as well as depending on complaints raised by APs⁶.
31. As specified in paragraph 30, sensitive receptors, such as water bodies in proximity of the projects are not identified, as the projects are implemented in the developed urban environment and are classified as the ADB “B” category; as well as no complaints were raised by the APs during the entire reporting period and no violations of dust, noise and vibration levels were observed during the site monitoring visits.

4.2 Overview of Monitoring Non-conformances during Current Period

32. During the reporting period, the compliance rate with mitigation measures on construction sites defined in EMPs was above 80 percent according to ADB’s format on the assessment of mitigation measures⁷.
33. The entire list of non-conformances registered in 2019 is provided in Annex 7.1, and the summary of issues detected on sites is as following:
- issues related to construction site cleanliness and timely removal of construction and solid waste,
 - insufficient safety measures during works on heights and sky-folders,
 - workers were not constantly wearing protective helmets,

⁶ Environmental Assessment and Review Framework. ADB. July 2015.

⁷ See the checklist format in Annex 7.3 of this report.

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- missing of temporary handrails around the staircases inside school buildings,
- concrete washouts on the soil ground.

34. In total, 29 non-conformances were detected in 2019, and all issues were addressed as of February 2020. The summary of issues tracking activity is introduced in Table 4-1 below.

Table 4-1 Summary of Issues Tracking Activity for Current Period

Summary Table

Total Number of Issues for Program	29
Number of Open Issues	0
Number of Closed Issues	29
Percentage Closed	100
Issues Opened This Reporting Period	0
Issues Closed This Reporting Period	0

35. The issues per category are presented in Table 4-2 below. Non-conformances in 2019 mostly related to the environment (16 cases) followed by safety non-conformances (12 cases) during civil works, and one issue⁸ was classified as other which was related to the protective box needed to be reinstalled on the memorial on Yerevan No 51 school main building.

Table 4-2 Issues by Category

Environment	16
Social	0
Health	0
Safety	12
Other	1

⁸ See in Annex 7.1 of the report. Case No 24.

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36. 29 issues detected on school construction sites by their level of impacts were classified as minor⁹.

4.3 Unanticipated Environmental Impacts or Risks

37. As specified in paragraph 18 and 20 of the report, the archaeological finds on Yeghegnadzor No 2 school site during the earthworks were not anticipated, and the changes in the design will impact the trees in the territory of the school.

4.4 Waste Management

38. For the civil works launched in 2019, dismantling activities of the old school buildings (namely “Heratsi” high school and Yerevan No 51 school) were implemented in accordance with the RA government Decree No 87-A of February 6, 2019 on “Gratuitous transfer of the property with the right of ownership and the organization of demolition (dismantling) works”¹⁰.

39. The construction works of Yeghegnadzor No 2 school and Stepanavan No 3 school were conducted in the area of old school sports ground, and no dismantling activities of old school buildings were envisaged in the frame of SSIP.

4.4.1 Current Period

40. No hazardous construction waste was generated on the schools' construction sites during the current reporting period.

⁹ The level of non-conformance is classified as major, minor or N/A according to the environmental issues tracking excel workbook of Annex 3, see footnote 5.

¹⁰ See Decree No 87-A at <http://www.irtek.am/views/act.aspx?aid=98264>

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41. In the frame of sustainable management of construction waste streams, metal scrap generated from the welding activities was separated on sites with the purpose of recycling and reusing in construction activities not related to SSIP.
42. The construction waste generated from dismantling activity were not included in the projects costs¹¹. The contractors were obligated to sort out the reusable materials (metal, wood, tubes, etc.) and utilize them in activities not related to SSIP according to EMP requirements.
43. The construction waste generated at the Yerevan No 51 school and “Heratsi” high school was removed to construction waste disposal site located in the “Spandaryan industrial hub” area in accordance with Yerevan Mayor’s Decision No 2391-A of June 30, 2016.
44. Construction waste generated from the project activities in other communities of RA was removed to the community dumpsites following permissions provided by the communities’ administrative offices. Waste disposal permissions/agreements are presented in Annex 7.2.

4.5 Health and Safety

4.5.1 Community Health and Safety

45. No incidents have occurred during the reporting period which raised Community Health and Safety issues.

4.5.2 Worker Safety and Health

46. During the reporting period, the following accident was recorded at Yeghegnadzor No 2 school construction site: a worker hit his finger by a hammer. The site manager properly followed the required measures and treated the injured worker as necessary. ATDF

¹¹ The construction waste/reusable material from the dismantling works has been given to the construction firm free of charge according to Decree No 87-A, therefore the contractors do not provide the volumes of such type of waste/reusable material to the ATDF throughout SSIP.

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watched and talked to the injured worker on-site who was completely satisfied by the actions taken. The accident was properly registered in health and safety recording form and presented to the ATDF.

47. No other accident was recorded and introduced to the ATDF by the contractors in 2019.

4.6 Training

48. Environmental and social safeguards training were conducted in the ATDF office on March 15, 2019. 12 specialists from the design and technical supervision firms involved in the implementation of the SSIP, including ATDF's environmental and social safeguard specialists were trained on Environmental and Social Safeguards by ADB consultants.

49. The personnel involved in newly launched construction activities were trained on safeguards implementation by the ATDF's environmental and social specialists at the school construction sites or in the ATDF office at the construction activities initiation phase, as well as ATDF provided safeguards guiding materials to contractors involved in SSIP as soon as they were announced as the winners of the bidding for works.

50. Considering the importance of both health and safety provisions and non-conformances detected on-sites, additional training on HSE with special attention on the program's peculiarities is recommended for ATDF's safeguard specialists, engineering staff and construction personnel involved in the program.

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5 GOOD PRACTICE AND OPPORTUNITY FOR IMPROVEMENT

5.1 Good Practice

51. During the reporting year, trees were successfully replanted at “Heratsi” school site. The growth and viability of the trees are monitored during each site visit.



52. Temporary safety handrails were implemented around the newly built staircases to avoid falling risks in school buildings.



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53. In the scope of preservation of archaeological values opened at Yeghegnadzor No 2 school site, a working group was formed to inventory the state of archaeological values at the beginning of construction works. A working group was formed by the representatives of the following entities: the Ministry of Education, Science, Culture and Sport (MoESCS), administrative division of Vayoc Dzor Marz, ATDF and contractor. The initial state of the archaeological site was recorded with photos and signed by the members of the working group. A temporary metallic net was implemented around the archaeological site by the contractor to ensure the site's initial state preservation until the conservation design is developed. The works related to the design of archaeological site conservation are coordinated by the MoESCS as earlier decided by the GoA.



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5.2 Opportunities for Improvement

54. The experience gained during Program implementation will be used by ATDF to ensure and further improve safeguards performance in upcoming projects. However, as it was mentioned in paragraph 50 of the report, additional training on health and safety safeguards would be an opportunity to learn and enhance the culture of HSE implementation during civil works.

55. The grievances received in 2019 are summarized in table 5-1 below.

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Table 5-1 Summary of GRM for 2019.

Reference No	Date of complaint (mm/dd/yy)	Complainant Name	Complaint Received by	Place	Method of Complaint e.g. verbal, letter, email	Main Issue	Summary of Complaint	Action/Passed to	Status	Date Closed (mm/dd/yy)
GRM01	06/23/2019	J. Avagyan	K. Grigoryan- ATDF's social safeguard specialist	Yerevan No153 school	verbal	A crack on the wall of the house	The resident living near Yerevan No 153 school presented the issue to ATDF's social specialist and asked to reinstate the wall.	Monitoring the issue by ATDF's social specialist/ Passed the issue to the construction site manager to organize the reinstatement works.	closed	09/09/2019
GRM 02	08/23/2019	A. Poghosyan	K. Grigoryan- ATDF's social safeguard specialist	Yerevan No 153 school	phone call	A crack on the wall of the house	The resident living near the school complained about the wall being damaged during construction works of the school and asked for repairing.	Monitoring the issue by ATDF's social specialist/ Passed the issue to the construction site manager to organize the reinstatement works.	closed	09/03/2019
GRM03	09/26/2019	L. Gasaboglyan- school director of Yerevan No 51	ATDF		written letter	Preservation of the dome structure on the school roof	ATDF received a letter asking for preservation of the dome structure existing on the roof of the old school building. The dome is envisaged to dismantle according to the school reconstruction design.	Letter passed to the Projects Implementation unit of ATDF/ In response letter, ATDF informed that the existing dome structure could not be preserved due to its current condition which did not	closed	10/01/2019

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								comply with seismic norms.		
GRM04	11/27/2019	G. Vardanyan – Contractor of "Baghramyan Shin" LLC	ATDF	Nor Kharberd No 2 school	written letter	Privatized property issue	The installation place of the gas storage box was privatized by Nor Kharberd community administrative office. Earlier the community office had approved the school design, including the installation place of the gas storage box envisaged by the design documents.	ATDF sent a letter to Nor Kharberd community leader. /The installation place of the gas storage box was changed and decided to locate within the school's territory.	closed	02/01/2020

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6 SUMMARY AND RECOMMENDATIONS

6.1 Summary

56. In 2019, construction activities of six schools were in progress, as well as the construction activities of four new schools were launched. Due to the unexpected geological issues, the construction activities of Stepanavan No 2 school were stopped.
57. The design changes in Yeghegnadzor No 3 school were made in order to protect the archaeological finds discovered at the site. As a result, trees are affected and envisaged to replant in school territory. Replanting activities are planned to conduct jointly with the contractor's personnel, school community and Yeghegnadzor's community administrative office in March, 2020.
58. The implementation of environmental safeguards was monitored as per monitoring plans of schools by safeguard specialist. Mitigation measures compliances with the EMPs were estimated above 80 percent.
59. During the reporting period, 29 non-conformances with EMP's were registered, out of which 16 issues were related to environment and 12 issues to the implementation of safety safeguards. However, by the level of impact, all the issues carry minor nature, were addressed and closed at the time of reporting.
60. One near-miss as a result of an unsafe act was registered at Yeghegnadzor No 2 school construction site. The incident was properly managed on-site, as well as recorded and introduced to ATDF.

6.2 Recommendations

61. Additional training on health and safety risks and related mitigations with an emphasis on SSIP peculiarities is recommended.
62. The action plan for 2020 reporting period is presented in Table 6-1 below.

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Table 6-1 Action plan for 2020

No	Action	Time frame	Responsible entity
1	Monitoring visits to ongoing construction sites, including the sites of newly launched construction activities, and reporting on finding.	January-December	ATDF
2	Initiating the procedures of environmental state expertise of the upcoming designs of schools.	January-December	ATDF, Designing contractor
3	Training & workshops on “Safeguards implementation and monitoring” with the contractors’ personal and TSCs.	September	ATDF, ADB ARRM
4	Training & discussion on safeguards implementation with each tendered construction-contractor and technical supervising consultant at the initiation phase of construction activities.	April-December	ATDF
6	Consultancy to the SSIP involved designers on the procedures of environmental state expertise, including reviewing and providing recommendations on documents and reports.	February-December	ATDF, Designing contractors
7	Developing EMPs in parallel with the preparation of schools’ designs.	February-December	ATDF
8	Public consultations with APs and stakeholders involved on the pre-designing and designing stages of projects implementation.	January-December	ATDF, Designing contractor, Community administrative office, EIEC SNCO of MoE
10	Other routine activates, such as following non-conformances detected on-sites and the implementation of set-up corrective action plans, post-construction audit at school sites. etc.	January-December	ATDF, Constructing contractors, School community
11	Annual monitoring reporting to ADB on safeguards implementation.	January-December, 2021	ATDF

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7 ANNEX

7.1 Summary of NCs detected on construction sites in 2019.

No	Site Name	Date Recorded (mm /dd /yy)	Description of Issue	Corrective Action/s	Statuses
1	Gavar No 2 school	5/8/2019	Concrete washout was identified on the soil ground.	A container should be provided and used for the removals of washout from concrete mixer trucks, after evaporation the cement sediments can be reused or disposed to the dumpsite, as well as contaminated soil layer should be removed and transferred to the dumpsite.	closed
2	Gavar No 2 school	5/8/2019	Temporary safety measures were not implemented around the staircases inside the school building under construction.	Installation of temporary handrail around the staircase built.	closed
3	Kapan No 7 school	5/16/2019	Liquid fuel leakage from the crane installed on-site.	Fixing the issue that causes the crane to leakage.	closed
4	Kapan No 7 school	5/16/2019	Temporary safety measures were not implemented around the staircases inside the school building.	Installation of temporary handrail around the staircase built.	closed
5	Nor Kharberd No 2 school	5/17/2019	Trash collection and removal issues.	Placing waste bins with the caps to exclude any factors of waste spreading, such as guard dogs, winds etc., on-sites and instructing workers to dump waste residues in trash-bins.	closed
6	Nor Kharberd No 2 school	5/17/2019	Temporary safety measures were not implemented	Installation of temporary handrail around the staircase built.	closed

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			around the staircases inside the school building.		
7	Nor Kharberd No 2 school	5/17/2019	Construction site cleanliness issue, including inside the school building under construction.	Cleaning the construction camp from the generated waste.	closed
8	Kapan No 7 school	7/3/2019	Liquid fuel leakage from the crane was detected.	Replacing the existing crane with the one in good technical condition as the describe issue carries repeatable character.	closed
9	Gavar No 2 school	7/29/2019	Concrete washout is identified on the soil ground on-site.	A container should be provided to use for waste water removal including concrete washout from the concrete mixer, etc, later the sediments remained in container can be disposed with construction related waste.	closed
10	Gavar No 2 school	7/29/2019	Temporary safety measures were missing around the staircases inside the school building, as well as insufficient safety measures were detected when working on sky folders.	Installation of temporary handrail around the newly built staircase in school and implementing safety measures when working on sky folder, including using other protective tools (belts, etc).	closed
11	Gavar No 2 school	7/29/2019	Workers were not wearing protective helmets.	Properly instructing the workers, as well as demanding to wear helmets.	closed
13	Gavar No 2 school	8/20/2019	Dust spreading risks because of dry weather and active movement of construction techniques on-site.	Periodically carrying out water spraying on construction surfaces to suppress the dust spreading from the soil ground, as well as outside the borders of the construction site.	closed
14	Yerevan No 51 school	10/28/2019	Accumulations of construction waste which was generated from the old	Removing construction waste to the dumpsite permitted.	closed

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			school buildings dismantling activities.		
15	Yerevan No 135 school	10/28/2019	Insufficient lighting that would provide proper illumination of construction camp.	Installing more lightings (two or more) on school buildings which will provide sufficient illumination of the site.	closed
16	Yerevan No 135 school	11/4/2019	Waste accumulations in the inner-yard of newly built school building.	Cleaning the school inner-yard from waste accumulated.	closed
17	Yerevan No 135 school	11/4/2019	Insufficient measures of keeping liquid fuel containers on-site.	Making sand ground under the fuel/liquid containers.	closed
18	Gavar No 2 school	11/4/2019	Safety instruction book was not present on-site.	Keeping safety records on-site to ensure that safety instructions are properly conducted.	closed
19	Gavar No 2 school	11/4/2019	Workers on-site did not wear protective helmets.	Providing all the workers with helmets and construction uniforms, conduct proper instruction on their usage.	closed
20	Yerevan No 51 school	11/4/2019	Insufficient measures of keeping liquid fuel containers on-sites.	Making sand ground under the containers.	closed
21	Yerevan No 51 school	11/19/2019	Dust spreading risks on-site.	Periodically implementing water spray on site and washing out the asphalt ground of the school site entrance.	closed
22	Yerevan No 51 school	11/19/2019	Risks of dust and construction debris spreading from the existing metal-net fence of the school.	Making temporary windscreen around the site.	closed

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23	Yeghegnadzor No 1 school	11/19/2019	Protective helmets and uniforms were not provided to workers.	Providing all the workers with helmets and construction uniforms and conduct proper instruction on their usage.	closed
24	Yerevan No 51 school	11/19/2019	Protective box installed on the memorial of main school building which was removed to organize strengthening works of school basement was not reinstated back after aforementioned activities were finished on that section of building.	Reinstate the missing protective box on the memorial in order to avoid any potential damage and risks.	closed
25	Yerevan No 51 school	11/27/2019	Fire-extinguisher was missing on-site, as it was taken to the appropriate unit in order to charge.	Reinstall the missing fire-extinguisher on-site after charging and being ready to be used in case of emergency.	closed
26	Yerevan No 51 school	12/9/2019	Concrete washout on the asphalt paved ground of the school site.	Keeping a container for the waste water removal or using the sewage system for its drainage.	closed
27	Gavar No 2 school	12/16/2019	Temporary safety measures were missing around the staircase built inside the school building.	Installation of temporary handrail around the new staircase built inside the school building.	closed
28	Nor Kharber No 2 School	12/17/2019	Site cleaning issue, as construction and household waste generated on-site was not timely removed.	Properly cleaning the site territory from all type of waste, and removing the waste to the permitted dump-site.	closed

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29	Nor Kharber No 2 School	12/17/2019	Safety instructions were not properly conducted and recorded on book.	Conducted safety instructions and properly recording them in the instruction book, as well as asking the workers to sign as construction activities are still in progress.	closed
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b) Kapan No 7 school

Unofficial translation:

To: Mr. A. Budaghyan

Director of “Vararakn” LLC

In response to your letter dated 15.02.2018, the earth material about 10 000 qm generated from the construction activities of Kapan No 2 school is permitted to dispose in 10 km distance from Kapan’s community administrative division.

Head of Spitakashen community

V. Harutunyan



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c) Nor Kharberd No 2 school

Unofficial translation: The reference is given about the construction waste dumpsite which is located in “Nubarashen” dumpsite in 8 km distance from the construction camp of Nor Kharberd No 2 school.

Head of Nor Kharberd community

K. Kakoyan

Secretary of staff



G. Abrahamyan

03801359
ԱՅՈՍԱՏԱՆԻ ՀԱՆՐԱՊԵՏՈՒԹՅՈՒՆ
ԱՐԱՐԱՏԻ ՍՈՐԶ ՆՈՐ ԿԱՐԳԵՐՈՂ
ՀԱՄԱՅՆՔՆԵՐԱՐԱՆ
N 0-20
« 15 » 09 - 2010 թ.

ՏԵՂԵԿԱՆՔ

Տրվում է այն մասին, որ Արարատյան Սարգիս
նախ քան այս փաստաթուղթը կազմվել է, թիվ 2 հիմն
կարգ շարքի ռեգիստրացիոն քաղաքացիական շահագրգիռ
չէր հայտնի և արգելափակված չէր համարվում:
Հիմնարար կազմակերպության կողմից իրականացված
հետազոտությունների արդյունքում հաստատվել է, որ
Սարգիս Արարատյանը չէր հայտնի և արգելափակված չէր
համարվում:

Տրվում է ներկայացնելու ՀՏԶԸ

Համայնքի ղեկավար 
Աշխատակազմի ղեկավար 

Կ. Կապույան
Գ. Աբրահամյան

ՀԱՅԱՍՏԱՆԻ ՀԱՆՐԱՊԵՏՈՒԹՅԱՆ
ԱՐԱՐԱՏԻ ՍՈՐԶ ՆՈՐ ԿԱՐԳԵՐՈՂ
ՀԱՄԱՅՆՔՆԵՐԱՐԱՆ

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d) Vanadzor No 7 school

The copy of contract document between “Arpa-Sevan” LLC and Darpas community-Lori marz, on construction waste removal dumpsite which is located in Darpas community in 7km distance from Vanadzor No 7 school construction camp.

**Շառայությունների մատուցման
ՊԱՅՄԱՆԱԳԻՐ**

17 ապրիլի 2017թ.

22. Լոռու մարզի Դարպասի համայնքապետարանը, ի դեմս համայնքի ղեկավար Արմեն Աղոյանի, մի կողմից, որը տեքստում այսուհետ կանվանվի Համայնք, և «Արփա-Սևան» բաց բաժնետիրական ընկերությունը, ի դեմս գլխավոր տնօրեն Պարույր Հակոբյանի մյուս կողմից, ով այսուհետ կանվանվի Շնկերություն, իսկ Համայնքը և Շնկերությունը միասին տեքստում կանվանվեն Կողմեր, կնքեցին սույն պայմանագիրը հետևյալի մասին.

1. Պայմանագրի առարկան

1.1. Համայնքը պարտավորվում է սրբավայրել տարածք Լոռու մարզի Վանաձոր քաղաքի թիվ 7 հիմնական դպրոցի կառուցման շինարարական աշխատանքների իրականացման ընթացքում առաջացած շինարարական աղբի տեղափոխման համար:

Շնկերությունը պարտավորվում է վճարել սույն պայմանագրով որոշված չափով կարգով և ժամկետներում:

1.2. Համայնքի հետ համաձայնեցված վայրն է համարվում Լոռու մարզի Դարպաս համայնքի Հին Դարպաս կոչվող հանդամասի ձորակը, որը գտնվում է շին հրապարակից, այն է՝ Բ. Վանաձոր Լարեկացի 13 հասցեից, շուրջ 7 կմ հեռավորության վրա:

1.3. Կողմերը սույն պայմանագրի շրջանակներում ղեկավարվում են 22. օրենքներով, 22. կառավարության որոշումներով և այլ իրավական ակտերով:

1.4. Լոռու մարզի Վանաձոր քաղաքի թիվ 7 հիմնական դպրոցի տարածքում տեղակայված մեծածավալ (մեծադյուր) շին. աղբի տեղափոխումը Համայնքի հետ համաձայնեցված վայր իրականացվում է Շնկերության տեխնիկաներով և միջոցներով:

1.5. Շին. աղբի նախնական ընդհանուր ծավալը կազմում է շուրջ 40,000 տոննա:

2. Կատարողի իրավունքներն ու պարտականությունները

2.1. Համայնքը պարտավորվում է.

2.1.1. Իր մասով և իր հերթին ապահովել պայմանագրի 1-ին կետով սահմանված պահանջները:

2.2. Շնկերությունը պարտավորվում է.

2.2.1 Կատարել սույն պայմանագրի 3-րդ կետով սահմանված վճարումները պայմանագրով սահմանված ծառայության դիմաց:

3. Պայմանագրի գինը և վճարումները

3.1. Սույն պայմանագրով նախատեսված ծառայությունների արժեքը 1տ համար կազմում է 8 (ութ) 22 Դրամ: Գումարը վճարվում է Համայնքի բանկային հաշվին փոխանցմամբ:

3.2. Շնկերությունը վճարումն իրականացնում է Կատարողի և Պատվիրատուի միջև հաշիվ ապրանքագրերի կամ հաշվարկային այլ փաստաթղթի (սկստ և այլն) ստորագրումից հետո մեկամսյա ժամկետում: Հաշիվ ապրանքագիրը հանդիսանում է նաև Կողմերի միջև աշխատանքների կատարման-ընդունման փաստաթուղթ:

4. Պայմանագիրը ուժի մեջ մտնելը և դադարումը

4.1. Սույն պայմանագիրը ուժի մեջ է մտնում Կողմերի ստորագրման պահից և գործում է մինչև 17.04.2019թ.:

5. Այլ դրույթներ

5.1. Սույն պայմանագիրը պարունակում է Կողմերի միջև կայացած ամբողջ համաձայնությունը և նախկինում բանակցված որևէ այլ համաձայնություն, հայտարարություն կամ խոստում, որը արվել է սույն պայմանագրի ուժի մեջ մտնելու օրը կամ մինչև այն, չի պարտավորեցնում Կողմերին:

5.2. Կողմերը խոստանում են գործել բարեխղճորեն՝ պայմանագրով սահմանված իրավունքներն իրականացնելիս, ձեռնարկել բոլոր ռոջամիտ միջոցները՝ սույն պայմանագրի նպատակները իրականացնելու համար:

5.3. Կողմերն ընդունում են, որ անհնար է սույն պայմանագրով ներառել բոլոր չնախատեսված հանգամանքները, որոնք կարող են առաջանալ պայմանագրի գործողության ժամանակ և սույնով համաձայնում են, որ իրենց մտադրությունն է կատարել սույն պայմանագիրը արդարացի, առանց որևէ կողմի շահին վնաս հասցնելու:

5.4. Պայմանագիրը կազմված է հայերեն լեզվով երկու օրինակից, յուրաքանչյուր կողմին մեկական օրինակ:

5.5. Կողմերը կցանակ բարի կամքով բանակցությունների միջոցով լուծել բոլոր վեճերը, որոնք կծագեն սույն պայմանագրից: Վեճը բանակցությունների միջոցով չլուծվելու դեպքում՝ այն կլուծվի դատական կարգով:

6. Կողմերի վավերապայմանները

Պատվիրատու	Կատարող
22. Լոռու մարզի Դարպասի համայնքապետարան Համայնքի ղեկավար՝ Արմեն Աղոյան (ստորագրություն)	Պարույր Հակոբյան (ստորագրություն)
Գտնվելու վայր՝ 22. Լոռու մարզ գ. Դարպաս, 30թ. 52.	Գտնվելու վայր՝ 22. ք. Երևան, 0012, Վ.Վաղարշյան 20
Հաշվարկային հաշիվ 900235407062 Թիվ 1 ՏԳԲ	Հաշվարկային հաշիվ 193004671700 «Գտնվելու Բանկ» ՓԲԸ
ՀՎՀՀ - 07300634	ՀՎՀՀ - 00003206

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e) Yerevan No 153 school

Waste disposal agreement with “Davars” LLC.

Հանձնման փոխանցման ակտ
Հանձնման փոխանցման ակտ 2013թ. հունիսի
13-ին կնքված ՀՈՒԱՊԱՐԱՆԱԿԱՆ ԱՊՏԻ
ՏԵՂԱԴՐՈՒՄՆ ՊԵՐՏՈՒՄԻ

Hand-over act
on CONTRACT ON DISPOSAL OF
CONSTRUCTION WASTE signed
between the Parties on 13.06.2013

Թիվ Number		Ամսաթիվ Date	01-12-17թ
Բեռատարի մակնիշը Truck Model	Զամբ	Պետ.Համարանիշ Plate Number	65 00 795
Ծավալ, մ³ Volume. m³	85³	Ռեյս թիվ Truck ride number	4
Պատվիրատու Customer	«ՍԵՔՏԱՆԵ 35Լ» ԱՊԸ		
Լիազորված անձ/ Կարող Representative/Driver	Սեփարյան Սեփարյան	Ստորագրություն և կնիք Signature and seal	
Կատարող Provider	«ԴԱՎԱՐՍ» ՍՊԸ Davars LLC		
Լիազորված անձ Representative	Դավար	Ստորագրություն և կնիք Signature and seal	

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7.3 Monitoring compliance and inspection report checklist

Project: A-06VZ, Construction of Yeghegnadzor No 1 school

Implementing Agency: Armenian Territorial Development Fund

Site of Inspection: Vayots Dzor Marz, Yeghegnadzor Community, Vayq 4th

Scope of Inspection: Monitoring of Safeguards Implementation

Contractor: JV of "Europe" LLC and "Bideg" LLC

Weather Condition: No precipitation

Attendees: Name & Position: L. Gevorgyan, environmental safeguard specialist

Date: October 23, 2019

Monitoring visit was carried out with the presence of Contractor's representative:



A. Asatryan/ Site manager/ +374 77 209 200

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Design stage						
Construction Activity		Mitigation Measure (as per PAR/EMP)	Mitigation Implemented Yes/PY*/No/NA	Responsible entity	Corrective Action Request (CAR) including deadline for effective CA.	Resolution Status of previous CAR (resolved/outstanding actions required)
Preliminary Assessment Application Report (PARR)		Positive Conclusion of Environmental State Expertise is available	Yes EE No: 000062, 22.07.2019	"GLOMMA" LLC		
Dump sites		Permission for disposal of waste available	Yes	JV of "Europe" and "Bideg" LLCs		
Tree cutting		Permission on tree cutting available	Yes 48 trees hindering construction activities are envisaged to replant.	ATDF, Yeghegnadzor community, JV of "Europe" and "Bideg" LLCs		
CONSTRUCTION STAGE						
WORK SITE: General						
Environmental management: environmental team, health& safety, emergency, trainings, grievance redress mechanism						
Construction Activity		Mitigation Measure (as per PAR/EMP)	Mitigation Implemented Yes/PY*/No/NA	Responsible entity	Corrective Action Request (CAR) including deadline for effective CA.	Resolution Status of previous CAR (resolved/outstanding actions required)
Environmental team						

* Partially Yes




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All activities	1.	Person in charge on environmental/ health & safety management is appointed and is present on-site	Yes Ashot Asatryan- site manager	JV of “Europe” and “Bideg” LLCs		
Management measures						
All activities	2.	Any use of land outside the school footprint including camps and parking sites is excluded	Yes	JV of “Europe” and “Bideg” LLCs		
All activities	3.	Tree cutting is implemented in accordance with permission. Other trees and vegetation are properly protected	Yes 	JV of “Europe” and “Bideg” LLCs		
Health & safety						
All activities	4.	Warning signs, fencing and exclusion barriers erected around all open pits and work site areas	Yes 	JV of “Europe” and “Bideg” LLCs		




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Excavation works	5.	Open pits are backfilled within reasonable time. Unnecessary open pits are not detected	<p>PY Basement implementation activities are in progress.</p> 	JV of “Europe” and “Bideg” LLCs		
All activities	6.	Access of strangers and outsiders (especially school children) is excluded	<p>Yes</p> 	JV of “Europe” and “Bideg” LLCs		.
All activities	7.	Workers are provided with and are using the uniform, applicable safety/protection equipment for site conditions	<p>Yes</p> 	JV of “Europe” and “Bideg” LLCs		

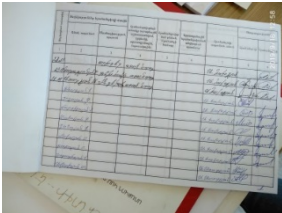

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Dismantling of asbestos- containing material	8.	Workers dealing with hazardous including asbestos materials are using the special protective equipment and follow the Guidelines on ACM	N/A	JV of “Europe” and “Bideg” LLCs		
All activities	9.	Board with information on project and implementing agencies is installed	Yes 	JV of “Europe” and “Bideg” LLCs		
All activities	10.	Sanitary-hygienic conditions for workers are provided: drinking and washing water supply, mealtime utilities, toilets, rest time, etc.	Yes 	JV of “Europe” and “Bideg” LLCs		
All activities	11.	First aid kit is available on-site and is accessible to all workers.	Yes 	JV of “Europe” and “Bideg” LLCs		

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All activities	12.	Fire extinguisher available	Yes		JV of “Europe” and “Bideg” LLCs		
All activities	13.	Dark time illumination is available	Yes		JV of “Europe” and “Bideg” LLCs		
Emergency Response Plan							
All activities	14.	Person in charge on emergency management is appointed and is present on-site	Yes		JV of “Europe” and “Bideg” LLCs		
All activities	15.	Copy of ERP and emergency contact list are available, updated and posted in a visible place at all work sites	Yes		JV of “Europe” and “Bideg” LLCs		
All activities	16.	Accident report maintained	PY No accident was recorded.		JV of “Europe” and “Bideg” LLCs		
Trainings and orientation courses							
All activities	17.	Workers briefed on PAR/ EMP at time of starting employment	Yes		ATDF		

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			A workshop/discussion with top representatives of construction-contractor was hold in ATDF at the construction initiation stage.			
All activities	18.	Workers briefed on ERP at time of starting employment	Yes	JV of "Europe" and "Bideg" LLCs		
All activities	19.	Workers receive introductory job-focused safety trainings before starting work; training event is properly registered in the instructions' book	Yes 	JV of "Europe" and "Bideg" LLCs		
Work site cleanliness						
All activities	20.	The work site kept clean from debris, garbage, etc.	Yes	JV of "Europe" and "Bideg" LLCs		
All activities	21.	Bins for garbage collection are installed	Yes 	JV of "Europe" and "Bideg" LLCs		
Public communication and grievance redress mechanism: environmental issues						
All activities	22.	Meeting with APs on construction activities, environmental impacts and mitigation measures held	Yes Two public consultations meeting were held in the scope of environmental state expertise.	ATDF, JV of "Europe" and "Bideg" LLCs		


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All activities	23.	Register of complaints maintained, Complains observed during the last visit addressed	PY No complain was registered.	ATDF, JV of “Europe” and “Bideg” LLCs		
All activities	24.	School management and people are notified on inconveniences: water, electricity breaks, etc.	Yes	ATDF JV of “Europe” and “Bideg” LLCs		
<i>Environmental parameters: Dust control</i>						
Earth works, material delivery, removal of generated waste	25.	Trucks are operating using covers	Yes	JV of “Europe” and “Bideg” LLCs		
	26.	Construction sites watered	PY No need for water spraying activity because of weather and construction activities taking place on-site.	JV of “Europe” and “Bideg” LLCs		
	27.	Equipment and haul vehicles are fitted with effective emission control equipment	Yes	JV of “Europe” and “Bideg” LLCs		
<i>Noise control</i>						
Operation of machinery	28.	Construction noise levels are acceptable at closest sensitive receptor	Yes	JV of “Europe” and “Bideg” LLCs		
	29.	Equipment fitted with effective silencers	Yes	JV of “Europe” and “Bideg” LLCs		
	30.	Activities are managed by restricting operating hours	Yes Noisy activities are conducted after school classes are finished and till 6:00 PM.	JV of “Europe” and “Bideg” LLCs		
<i>Vibration control</i>						
Operation of machinery	31.	managed by reducing time exposed to vibration,	Yes	JV of “Europe” and “Bideg” LLCs		
<i>Runoff control</i>						
All activities using liquid materials	32.	Spillages are managed properly	PY No spillages were observed.	JV of “Europe” and “Bideg” LLCs		

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Earth works	33.	Sediment laden runoff is prevented	Yes	“Europe” and “Bideg” LLCs JV		
Earth works, material delivery, removal of existing pavement, asphalt pavement	34.	Drains are kept open and water bodies are not blocked by sediment	Yes	JV of “Europe” and “Bideg” LLCs		
All activities using machinery	35.	Tires of trucks are cleaned before leaving the school footprint and entering the roads	PY No need for tire cleaning as no trucks movement was observed.	JV of “Europe” and “Bideg” LLCs		
Earth works	36.	Excavated waste is either hauled from work site or is retained temporary on-site in spoil dumps	Yes	JV of “Europe” and “Bideg” LLCs		
Construction waste management						
Removal of construction waste	37.	Construction waste is disposed of in approved sites	Yes	JV of “Europe” and “Bideg” LLCs		
Earth works, demolition of structures, dismantling of utilities	38.	Non-hazardous waste (excavation material, rocks, concrete and metallic parts, etc.) is managed in accordance with EMP	Yes	JV of “Europe” and “Bideg” LLCs		
Dismantling of structures	39.	Hazardous waste (including asbestos-containing waste) is managed in accordance with WMP	N/A Hazardous waste is not anticipated, including dismantling of asbestos containing structures.	JV of “Europe” and “Bideg” LLCs		
Use of chemicals, fuel, lubricants, etc. while all activities	40.	Leakages and liquid waste, contaminated soil is managed in accordance with WMP	Yes	JV of “Europe” and “Bideg” LLCs		
Dump sites						
Use of territory	41.	All permits and SMP for the use of, dump sites are available	Yes	JV of “Europe” and “Bideg” LLCs		

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Use of territory	42.	SMP for the site use is available	Yes	JV of “Europe” and “Bideg” LLCs		
Use of territory	43.	The use of the site is in accordance with SMP	Yes	JV of “Europe” and “Bideg” LLCs		
<i>Cultural heritage preservation management</i>						
<i>All activities</i>	44.	The cultural heritage opened on-site is preserved until its conservation design/plan is completed	Yes 	JV of “Europe” and “Bideg” LLCs		
<i>Site re-instatement and rehabilitation (including dump sites)</i>						
All activities	45.	All the waste and material is removed from the site The site is clean	N/A Ongoing construction	JV of “Europe” and “Bideg” LLCs		
All activities	46.	All machinery is removed from the site	N/A Ongoing construction	JV of “Europe” and “Bideg” LLCs		
All activities	47.	Trees (shrubs and other vegetation) are planted and maintained	N/A Ongoing construction	JV of “Europe” and “Bideg” LLCs, School directorate		

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Mitigation effective summary					
Fully compliant		Partly compliant		Non-compliant	
Totally	% to applicable items (42)	Totally	% to applicable items(42)	Totally	% to applicable items(42)
36	86	6	14	0	0