



IMPLEMENTATION OF LAND ACQUISITION AND RESETTLEMENT PLAN

COMPLETION REPORT FOR PHASE 2 LOT 2 (km 48+140-km 62+300)

**M6 Vanadzor–Alaverdi–Georgian Border Interstate Road
Rehabilitation and Improvement Project
(Km38.450 –km90.190)**

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Prepared by “Transport projects implementation organization” SNCO (TPIO), Ministry of transport, communication and information technologies (MTCIT) for the Asian Development Bank (ADB)

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ABBREVIATIONS

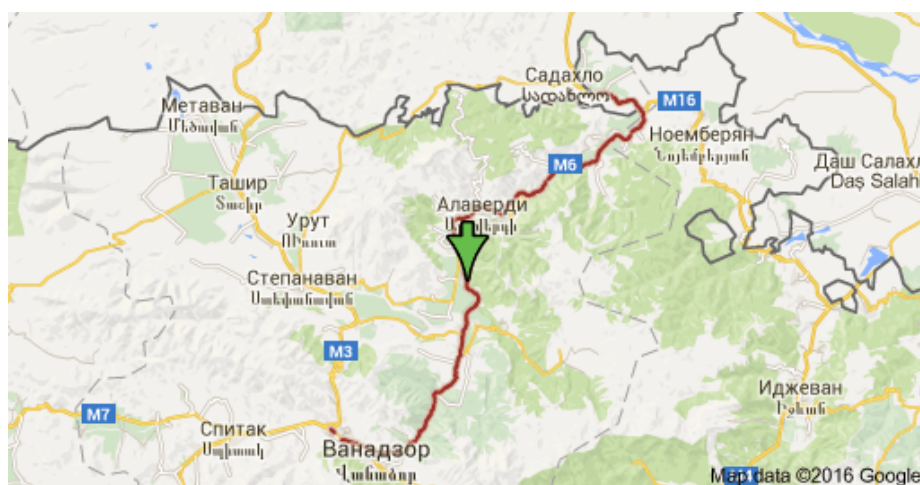
ADB	Asian Development Bank
AH	Affected Households
AHHs	Affected Heads of Households
AMD	Armenian Dram
AP	Affected Person
COI	Corridor of Impact
DMS	Detailed Measurement Survey
DD	Detailed Design
EA	Executing Agency
EM	Entitlement Matrix
EMA/EMIC	External Monitoring Agency/External Monitoring Individual Consultant
EIB	European Investment Bank
GoA	Government of Armenia
GRM/GRG/GFP/	Grievance Redress Mechanism, Grievance Review Group, Grievance Focal Person,
HH	Household Head
CR/EMCR	LARP implementation Completion Report, LARP implementation External Monitoring Compliance Report
IP	Indigenous People
LAR	Land Acquisition & Resettlement
LARF	Land Acquisition & Resettlement Framework
LARP	Land Acquisition & Resettlement Plan
LGBs	Local Self- Governing Bodies
M&E	Monitoring & Evaluation
MTCIT	Ministry of Transport, Communications and Information Technologies
NGO	Non-Government Organization
NSRCP	North South Road Corridor Project
NSS	National Statistical Service
PC	Public Consultation
PPR	Project Progress Report to EIB on Semiannual basis
TPIO	Transport Projects Implementation Organization
RA	Republic of Armenia
RoW	Right of Way
RP	Resettlement Plan
RCT	Resettlement Coordination Team
SCREC	State Committee of Real Estate Cadaster
SES	Socio-Economic Survey
SPS	Safeguard Policy Statement
SSSC	Social Safeguards Support Consultant

I. Introduction

1.1 Project Background

1. The Asian Development Bank (ADB) has agreed to co-finance the M6 Vanadzor-Alaverdi-Georgian Border Interstate Road Rehabilitation and Improvement Project (hereinafter: Project) with the European Investment Bank (EIB). The project road is about 90 km long connecting the city of Vanadzor with the Georgian border near the city of Bagratashen. Section 1 (Km0+000-Km38+450) is financed by EIB (EIB-financed road section); and section 2 (Km38+450-Km91+190) is financed by ADB (ADB-financed road section). ADB financed road section of the Project will have no extensive land acquisition impacts and is classified as Category B for Involuntary Resettlement. The Land Acquisition and Resettlement Plan (LARP) covering the ADB financed section of the Project has been prepared by the Ministry of Transport, Communications and Information Technologies (MTCIT) of Armenia, the Project's Executing Agency (EA) is responsible for planning and implementation of the LARP. The Transport Projects Implementation Organization SNCO (TPIO) acts as an Implementing Agency (IA) for the Project.
2. The LARP is based on the requirements of appropriate laws and regulations of the Republic of Armenia and ADB's Safeguards Policy Statement (SPS) of 2009. The approved LARP covers the rights of persons who could be affected through permanent losses of land, living or other building/structure, crops and trees, income, business and employment, as well as contains relevant provisions on project severe impact, physical relocation, rehabilitation allowances, temporary and unforeseen impacts and compensations for improvements. LARP assesses the Project impact and provides details on required compensation and restoration measures based on the final detailed road design, Detailed Measurement Survey (DMS) for each affected land plot, Census and Social-Economic Survey of AHs. LARP also presents the scope of community rights in the case of community/public property loss.
3. LARP has been approved by MTCIT and ADB in November 2017 and is available on the TPIO's web-site¹.
4. The existing M6 road alignment runs along the narrow valley of the river Debed through 14 communities along the ADB financed road section (see Map 1 below). The width of carriageway will be standard 7.2 m (6.6 m in heavy mountainous sections) and varied width of shoulder of 0.5-1.5 m. The design speed will be 60 km/h for the mountain section and 90 km/h for the flat section. Minor realignment in few sections will be necessary to improve the geometric alignment and sight distance.

Map 1: M6 Vanadzor–Alaverdi–Georgian Border Interstate Road Rehabilitation and Improvement Project Area



¹ <http://tpio.am/am/safeguard/social-impact-and-resettlement>

5. The affected communities are located within the administrative territory of Lori and Tavush Marzes. Based on the final detailed design, 10 communities are affected by the identified alignment in ADB financed section which are as follows: Akhtala, Aygehat, Tumanyan, Aqori, Haghpat, Neghots, Shnogh, Alaverdi, Odzun and Archis. In terms of construction works, the Project is divided into three road sections (Lots) which will have separate Contractors. The breakdown of the Project road per Lots and communities is shown in the table 1 below.

Table 1: Breakdown of the Project per Lots and Communities

Lot (construction section)	Start Km- End Km	Length, m	Community	Number of Communities	Remarks
Lot 1	km 38+450-km 48+140	9690	Aygehat	4	One community in Lot 1 (Alaverdi) is in lot 2 as well, and one of 3 communities in Lot 2 (Haghpat) is in Lot 3 as well.
			Alaverdi city		
			Odzun		
			Tumanyan		
Lot 2	km 48+140-km 62+300	14.160	Haghpat	3	
			Alaverdi city		
			Aqori		
Lot 3	km 62+300-km 90+191	27.891	Haghpat	9	4 communities in Lot 3 are not affected by the project: Ayrum, Haghtanak, Ptghavan and Bagratashen
			Akhtala		
			Shnogh		
			Artchis		
			Neghots		
			Ayrum		
			Haghtanak		
			Ptghavan		
Bagratashen					
Total		51.741		14	The total number of 14 communities is presented without double counting

1.2 LAR-Related Conditions to Project Implementation

6. According to SPS 2009 provisions and ADB's established operational practice, the Project approval/implementation will be based on the following conditions:

- (i) **Project implementation clearance:** Conditional to: the finalization of the LARP as an implementation-ready document acceptable to ADB and GoA and its disclosure.
 - (ii) **Start of Physical Civil Works:** Conditional to full implementation of the implementation-ready LARP (full compensation/rehabilitation delivery) to be properly reported to ADB by EA.
7. The LARP is categorized as category B in terms of IR for which the external monitoring is not required, however, it has been defined by the LARP that an External Monitoring Individual Consultant (EMIC) will be engaged for LARP implementation monitoring purpose. Currently, the EMIC hasn't mobilized yet, therefore it has been agreed with ADB, that completion reports (CR) for each LARP implementation phase will be prepared internally by TPIO. The details of monitoring scope and methodology are presented in the next chapters of the report.
8. Meantime, it is planned that the verification of LARP implementation will be carried out by EMIC when mobilized based on CRs prepared by TPIO and corrective actions will be suggested (if any).

1.3 Summary of Impacts per LARP

9. The LARP identified 172 projects affected households (AH), including owners and users of the lands/buildings, with a total of 492 household members. In total, the Project will acquire 444 land plots from 172 AHs covering 526,018,54m² in 10 communities. Out of total affected 444 land plots, the 216 (48.7%) are concentrated in Lot 1 and 116 (26.1%) and 112 (25.2%) in Lot 2 and Lot 3 respectively. The summary of impacts by construction Lots and communities is shown below in table 2.
10. Information on different categories of affected households (AHs) and affected persons (APs) by impact type per LARP, as well as the summary of AHs/APs presented in the Annex 2 of this report.

Table 2. Impact of the M6 project in all 3 Lots (Planned under the LARP)²

Section	Communities, N	Total size of affected land (sq.m.)	Plots, N	AHs, N	APs, N	Severely AHs, N	Residential Relocated AHs, N
Lot 1 (km 38+450-km48+140)	4	142,835.0	216	96	263	38	6
Lot 2 (km48+140-km62+300)	3	194,229.7	116	39	104	11	-
Lot 3 (km62+300-km90+191)	9	188,953.8	112	37	125	11	-
Total	14	526,018.5	444	172	492	60	6

1.4 LARP implementation planning and overall implementation status

11. As defined by LARP, the LARP implementation has to be implemented in “section by section” principle to simplify the implementation process in terms of deadlines to be met under the Law, as well as for the commencement of construction. According to the Construction Contracts, each handed over section shall have min 2km length. Thus, the LARP implementation has been divided into 3 Phases. Notably, each Phase includes land plots (sections) from each Lot (Contractor). Construction works will be started only in areas where LARP implementation is fully completed.

12. The principles and basis of division of LARP Phases are presented below:

- (i) the number of affected land plots (both private and community-owned),
- (ii) number of total AHs,
- (iii) number of AHs to be relocated
- (iv) number of legalization and cadastral correction cases,
- (v) progress of utility relocation
- (vi) construction priorities

13. The status of LARP implementation Phases per Lots is presented below in tables 3.1, 3.2 and 3.3 (the percentages indicated in the tables show the portion of each phase in terms of LAR-completed road section in length (m)). The detailed LARP implementation Scheme is attached in Annex 2.

Table 3.1 Status of LARP Implementation Phases, Lot 1

Construction section, KM/m	Chainage, KM	Length, m	LARP Implementation Phase	Involved communities
Lot 1 (km 38+450-km 48+140), 9690m	38+450-39+600	1150	Phase 1	Tumanyan, Aygehat, Odzun, Alaverdi
	39+601-39+750	150	Phase 2	
	39+751-42+100	2300	Phase 1	
	42+101-43+800	1699	Phase 2	

² The Numbers of AH and APs are presented without double counting.

Construction section, KM/m	Chainage, KM	Length, m	LARP Implementation Phase	Involved communities
	43+850-46+000	2150	Phase 2	
	46+000-47+900	1900	Phase 3	
	47+900-48+140	240	Phase 2	
Construction started		3450	Phase 1 (35.6%)	
LARP implementation completed		4239	Phase 2 (43.7%)	
LARP implementation ongoing		1900	Phase 3 (19.6%)	

Table 3.2 Status of LARP Implementation Phases, Lot 2

Construction section, KM/m	Chainage, KM	Length, m	LARP Implementation Phase	Involved communities
Lot 2 (km 48+140-km 62+300), 14160m	48+141-48+900	759	Phase 2	Alaverdi, Aqori, Haghpat
	48+900-49+705	805	Phase 3	
	49+705-50+670	965	Phase 2	
	50+671-53+250	2580	Phase 1 (LAR-free section)	
	53+251-54+515	1264	Phase 2	
	54+515-54+940	425	Phase 3	
	54+940-56+050	1110	Phase 2	
	56+050-57+350	1300	Phase 3	
	57+350-58+540	1190	Phase 2	
	58+540-60+910	2370	Phase 3	
60+910-62+120	1390	Phase 2		
Construction started		2580	Phase 1 (18.2%)	
LARP implementation completed		6678	Phase 2 (47.2%)	
LARP implementation ongoing		4900	Phase 3 (34.6%)	

Table 3.3 Status of LARP Implementation Phases, Lot 3

Construction section, KM/m	Chainage, KM	Length, m	LARP Implementation Phase	Involved communities
Lot 3 (km 62+300-km 90+191), 27891m	62+301-64+710	2409	Phase 2	Haghpat, Neghots, Akhtala, Shnogh, Artchis
	64+710-64+900	190	Phase 3	
	64+900-66+340	1440	Phase 2	
	66+340-66+480	140	Phase 3	
	66+480-67+850	1370	Phase 2	
	67+850-68+070	220	Phase 3	
	68+070-71+340	3270	Phase 2	
	71+340-76+250	4910	Phase 3	
	76+251-90+191	13941	Phase 1 (LAR-free section)	Ayrum, Haghtanak, Ptghavan and Bagratashen
Construction started		13941	Phase 1 (50%)	
LARP implementation completed		8489	Phase 2 (30.4%)	
LARP implementation ongoing		5460	Phase 3 (19.6%)	

14. The LARP implementation in Phase 1 has been completed and the respective CR has been

approved by ADB at the end of May, 2018. After the approval, the following LAR-completed sections of Phase 1 have been handed over to the Contractors at the beginning of June, 2018:

- Lot 1: km38+450 -km39+600 (1150m) and km39+800 -km42+100 (2300m), total: 3450m
- Lot 2: km50+670 -km53+250 (2580m)
- Lot 3: km76+250 -km90+191 (13,941m)

15. This LARP Implementation Completion Report (CR) is covering the Phase 2 of LARP implementation in Lot 2 with demonstration of its compliance with approved LARP and SPS 2009, as well as clear indication of changes emerged during the implementation process. The CR will be disclosed on the TPIO's website after approval by ADB. The summary of the corrective action plan (if any) will be disclosed in the respective communities.

1.5 Legal Framework and Entitlements for Compensation

16. Involuntary acquisition of property (for the society and public needs) in Armenia is feasible only in the case of GoA recognizing (by a Decree) it as exclusive prevailing public interest as prescribed by the legislation. The acquisition grounds, compensation procedures and other relevant provisions are defined by the RA Law on Property Alienation for the Public and State Needs. Notably, the Law covers properties of both physical and legal entities, as well as all property right objects that are owned by the communities (local governments). The GoA decree on Eminent Domain for the Project has been adopted which came into force on November 25, 2017 which serves as a legal basis for land acquisition procedures.
17. In all cases when the ADB SPS requirements are stricter than the RA legislation, requirements of ADB policies were applied. The evaluation of land plots and structures affected by the Project are based on the principle of replacement cost.
18. Thus, the following are eligible for compensation for project impact in compliance with Entitlement matrix defined by the Project's LARP:
- 1) For the loss of **land** –the land plot owners, legalizable persons, leaseholders or other property right holders (servitude, construction permit, loan, mortgage, use rights),³
 - 2) For the loss of **residential houses or structures** on land plots – all AHs regardless of the rights towards the building/structure; relocated tenants,
 - 3) For the loss of **non-residential buildings or structures** on land plots – owners, APs who constructed without a permit, relocated tenants (with defined conditions)
 - 4) For the loss of **crops, trees and expected harvest** - all AHs regardless of the rights towards the land or any other property right holder,
 - 5) For the cases of **loss of business** – all APs regardless of the submission of a tax declaration,
 - 6) For the loss of **employment** – persons working in affected businesses or hired by individual entrepreneurs (IE)based on an employment contract,
 - 7) For the **severe Project impact** – All AHs/APs that lost more than 10% of agricultural land or were relocated, including those who do not have any residence status,
 - 8) For the loss of **public property** – the community,
 - 9) **Rehabilitation Allowances** – to all AHs below the poverty line, as well as headed by women, elderly or disabled,
 - 10) **Relocation Allowance** – all APs (transportation expenses for relocation and living expenses),
 - 11) For **temporary impact** – all APs,
 - 12) For **unforeseen impacts**– all APs/AHs eligible for compensation,
 - 13) For **improvements**– (not included in points above, but existing on the affected land plot (except for movable property)) – all APs that made improvements.
19. Compensation rights are limited by the cut-off date which is the date when the Description protocols on the acquired land are prepared (signing the Protocols by the APs, MTCIT and Acquirer). The Description protocols contain the data on Census, Detailed measurement survey (DMS) and Inventory of Assets.

³ Informal tenants are entitled to compensation only for existing improvements on land.

20. Given the fact, that on the moment of preparation of the LARP, the GoA decree on Eminent domain has been adopted but hadn't come into force, the signing of property description protocols have been started after the approval of the LARP before the start of LARP implementation. Thus, the cut-off date for the Project is April 5, 2018.
21. During the signing of property description protocols with APs the inventory of affected assets has been verified by the APs, so the protocols have been adjusted and the compensation has been recalculated and compensated accordingly.

1.6 Monitoring of LARP Implementation

a) Monitoring objective and scope

22. LARP implementation is routinely be monitored internally by the TPIO, with outcomes reported to ADB in the Quarterly Progress Reports (QPR), as well as in Semi-annual Social Monitoring Reports (SSMR) prepared by TPIO. The key objective is to ascertain the compliance of LARP implementation, including the delivery of compensation and allowances, consultation and grievance redress.

b) Internal Monitoring Methodology

23. The internal monitoring benchmarks are:
 - (i) Impact changes during the signing of property description protocols and/or LARP implementation and update of census and compensation data accordingly, if any
 - (ii) Status of land acquisition and payments on land compensation;
 - (iii) Payment of compensation for affected structures and other assets;
 - (iv) Relocation of APs;
 - (v) Payments for loss of income;
 - (vi) Payment of allowances, resettlement benefits, relocation assistance;
 - (vii) Provision of assistance;
 - (viii) Income and/or livelihood restoration activities;
 - (ix) LAR gender provisions; and
 - (x) Operation of Grievance redress mechanism.
24. Internal monitoring data has been collected through the following methods:
 - (i) Desk review and verification of census and entitlement data for the APs during and as a result of implementation;
 - (ii) Desk review and verification of delivery of compensation to all AHs in acquisition contracts vis-à-vis the amount defined in the LARP
 - (iii) Consultation and informal interviews with APs; and
 - (iv) The grievance redress register;
 - (v) Desk review of other related documents.
25. The methodological basis for the preparation of this CR was the desk review of all LARP implementation procedures carried out by the Social Safeguards Support Consultant (SSSC). During the performed desk reviews the following documents were studied:
 - **Description Protocols signed by APs**, including the description of the affected assets for each AP, i.e. description of land plots and crops/trees; description of structures/buildings and real estate; description of business and company;
 - **Valuation Reports**, with detailed representation of the results of assets subject to acquisition by licensed valuers;
 - **Reports on Rehabilitation Allowance Size Determination**, where licensed valuers present the calculation of rehabilitation allowances for Severe Project impact and Socially vulnerable APs/AHs;

- **Contracts on Acquisition of Property for Public and State Purposes**, where together with all the required provisions lot-code, surface, compensation amount and bank account, and the person's name (owner, leaseholder, informal tenant) are clearly mentioned;
 - **Payment documents for the Property Acquisition Contracts and Agreements** (Payment Agreements) indicating compensation objective, date, amount, bank account, person;
 - **Progress Monitoring Reports by SSSC**: TPIO has studied the Progress Monitoring Reports prepared by the SSSC responsible for full implementation of LARP.
 - **Other documents and datasets**. TPIO has studied the periodically updated database by SSSC. The existing databases were analysed, as well as data on assets and relating documents and information on AHs/APs were compared /reconciled.
26. The 100% of documents and profiles of APs, as well as payment orders in Subsection 1 were studied. Existence of all contracts, agreements and payment orders were checked, moreover, data were checked for adequacy and compliance, in particular: i) signatures of all owners, ii) compliance of compensation and additional compensation amounts, iii) adequacy of bank accounts, iv) compliance of notary verification dates of documents (activities implementation) to the existing procedure (implementation schedule).
27. The process of APs notification, as well as Grievance Redress mechanisms were studied in detail through desk survey and informal consultations with APs (phone calls).
28. Data and information collected from various sources were analysed and collated: these allowed to evaluate the process, verify and cross-check the fact of compensation received, as well as identify existing problems and omissions. If necessary, the APs were directly contacted to make additional corrections.
29. All the impact and compensation changes emerged during the signing of property description protocols and/or LARP implementation and update of census and compensation data have been carefully verified and are reflected in this CR.
30. The used methodology and the results of internal monitoring allowed drawing conclusions on data accuracy, completeness and validity of APs and their assets, volumes of compensations and delivery process compliance and efficiency.

II. LARP Implementation Procedures and Results in Phase 2, Lot 2

31. The Social Safeguards Support Consultant (Altavip LLC) is responsible for full implementation of the LARP, including the expropriation phase. The SSSC recruited by TPIO consists of the following specialists: team leader, lawyers, Sociologists/social development specialists, Field work implementers and a database specialist, to carry out LARP implementation activities.
32. The TPIO has a Social Impact Management Service consists of three specialists, as well as a Legal unit (hereafter Resettlement Coordination Team (RCT)). The SSSC is directly coordinated by the RCT.
33. The Phase 2 covers the areas next to following communities: Alaverdi, Haghpat and Aqori (see the Table 4 below).

Table 4. The scope of LAR-completed Phase 2 section

Construction Section	Chainage, KM	Length, m	Plots, N	AHs, N	Community
Lot 2	48+141-48+900	759	49	14	Alaverdi, Haghpat, Aqori,
	49+705-50+670	965			
	53+251-54+515	1264			
	54+940-56+050	1110			
	57+350-58+540	1190			
	60+910-62+120	1210			

2.1 LARP Implementation Preparatory activities

34. LARP implementation has actually started in March-April, 2018. Prior the LARP implementation, the following preparatory activities were carried out by the SSSC/TPIO within the LARP implementation:
- signing of property description protocols with APs, including the verification and adjustments of impacts
 - consultations with regional notarial, cadastral services on the further organization of acquisition contracts and agreements signing, cadastral registrations and court proceedings (if any),
 - preparation of notification of signed property description protocols
 - preparation of notification of draft acquisition contracts and agreements
 - preparation of information leaflets for the notifications of all stages of LARP implementation (notification of signed protocol, notification of draft acquisition contract and agreement, notification on depositing and notification of court proceeding)
35. Initial consultations with affected communities on coming implementation (including the disclosure of LARP document and brochures) has been carried out. The heads of affected communities have been informed on the stages and schedule of LARP implementation process upon the start. The LARP information brochure has been disclosed to all the APs and/or community members.
36. Here are the logical steps of notification, land acquisition and compensation process carried out by SSSC/TPIO:
- Notification of signed protocol of affected land plot to APs;
 - Notification of draft contracts, including the disclosure of LARP Information brochure and Information leaflet;
 - Meetings with the APs (owners/co-owners, leaseholders, not registered land users on individual basis
 - Discussions concerning issues of APs, provide APs with legal advice and assistance if needed (in parallel the implementation of legalization plan).
 - Checking, updating of the necessary documents for signing of acquisition contract, where needed.
 - Implementation of legalization and cadastral correction actions
 - Preparation of the necessary documents for notary (regional) for making the final acquisition contracts
 - Organization of acquisition contract signing with APs by notary ratification (depending from the organizational requirements it can be organized in the community administrative offices).
 - Provision of state registration application for the signed contracts to regional cadastre office.
 - Receipt of real estate ownership certificate registered in the name of Republic of Armenia.
37. There were no expropriation cases initiated (depositing, preparation of court suits) in Phase 2 of Lot 1.

2.2 Notification and Public Consultation

38. Upon the completion of LARP preparatory actions, the notification of signed protocols and draft acquisition contracts to APs were carried out in April, May and June 2018 (details are shown table 5 below). According to the local legislation, the draft acquisition contracts to APs shall be signed within 3 months after the notification, otherwise, the court expropriation process will be initiated by TPIO. In the given Phase 2, all the land plots have been acquired and compensation via contract signing.

Table 5. The Schedule of Notification of draft acquisition contracts in Phase 2

Construction Section	Notification date	Number of notification cases (land plots)	No of notified AHs	The notified communities
Lot 2	4/17/2018	2	5	Alaverdi, Haghpat, Aqori
	5/24/2018	20	3	
	5/30/2018	2	-	
	6/19/2018	11	6	
	Total	35	14	

39. Together with the notification of draft acquisition contracts, also the LARP Information brochure has been provided⁴. Besides, the notification letter included the special Information leaflet with detailed description of land acquisition and compensation payment procedures, rights and obligation of APs and acquired and contact details of implementation specialists.
40. Consultation and assistance were given to APs in all legal and organizational issues on day to day basis during whole Implementation process.
41. Actions taken as part of dissemination of information included the followings:
- Notification of APs in accordance with the legislation: (i) provision of notification on recognizing the prevailing public interest, (ii) land plot layout, (iii) Description Protocol, (iv) draft Acquisition Contract,
 - Development and dissemination of information leaflets (includes information of the rights and responsibilities of parties, compensation calculation principles, process of signing the contract and receiving compensation, acquisition process thought depositing the compensation amount, as well as grievance redress mechanism),
 - Publication and dissemination of Project Information Brochure,
 - Publication of final LARP on Project's website.

2.3 LARP implementation results in Phase 2 of Lot 2

a) Permanent Loss of Land

42. As per the approved LARP, the scope of Project impact under Phase 2 entails 49 land plots, including 14 state-owned, 32 community, 2 private land plots and 1 land plot with on-identified owner with total size of 136,712.80 sq.m land taken for project needs, which makes 42.2% of total affected land plots in Lot 2 and 11% of total under M6 project. As a result of implementation, there were several changes in ownership status of land plots, as well as in number of AHs/APs due to legalization and cadastral corrections, as well as identification of new land users who couldn't be identified within the LARP due to limitations described in LARP (see the section 2.2 of approved LARP). The general description of changes during the LARP implementation is presented below and the comparison of LARP-planned and actual implementation data per type of land plots and communities is presented below in the tables 6 and 7. The changes in types and numbers of improvements (crops, trees, buildings etc.) are also emerged during the implementation due to verification of improvements during the signing of property description protocols with APs (details are presented in the next sections of this report).
43. Changes in ownership status of affected land plots: As a result of implementation, the total number of acquired land plots and the total affected area remained unchanged, while there were some changes within the types of lands and their area. Thus, in total 35 land plots have been acquired and compensated (excluding the 14 state-owned land plots (104,358.70 sq.m), which are not subject for acquisition, but only compensation has been provided to the users of those land plots for their affected improvements). As a result of legalization and cadastral corrections carried out during the implementation, the following changes in ownership status of affected land plots have been emerged:

⁴ The LARP information brochure is the Appendix 6 of the LARP.

- (i) One of the two land plots with LARP-reported status “resident’s land or private land without registered ownership” (unidentified owners) has become a community-owned land. The change in ownership status has been carried out based on the respective decrees adopted by community councils which then have been registered in cadaster (Haghpat). Meantime, as a result of legalization, the other owner of land plot has been identified and properly registered his rights towards the land plot and compensated accordingly.
- (ii) As a result of cadastral correction and provided additional information, it was found that the one land which has been reported by LARP as a “not identified” land, is actually a community-owned land (Alaverdi), thus the community has been compensated for the land plot accordingly.

Table 6. Affected Land plots and Affected Land users per communities in Phase 2

Item: Permanent loss of land	Plots, N	Area, sq.m.	Private AHs, N	Informal Tenant AHs, N	Total AHs, N
a. Planned under LARP					
State land	14	104,358.70	-	5	5
Community land	32	31,476.60	-	4	4
Private land	2	809.00	3	-	3
Non-identified land	1	68.50	-	-	-
a.Total	49	136,712.80	3	9	12
b. Implementation tallies					
State land	14	104,358.70	-	5	5
Community land	34	32,248.70	-	7	7
Private land	1	105.40	2	-	2
Non-identified land	-	-	-	-	-
b.Total	49	136,712.80	2	12	14
Difference (b-a)					
State land	0	0	0	0	0
Community land	2	772.1	0	3	3
Private land	-1	-703.6	-1	0	-1
Non-identified land	-1	-68.5	0	0	0
b-a.	0	0	-1	3	2
a. Planned under LARP					
Alaverdi	28	25,198.70	2	4	6
Haghpat	19	110,925.50	1	5	6
Aqori	2	588.60	-	-	-
a.Total	49	136,712.80	3	9	12
b. Implementation tallies					
Alaverdi	28	25,198.70	2	4	6
Haghpat	19	110,925.50	-	8	8
Aqori	2	588.60	-	-	-
b.Total	49	136,712.80	2	12	14
Difference (b-a)					
Alaverdi	0	0	0	0	0
Haghpat	0	0	-1	3	2
Aqori	0	0	0	0	0

Item: Permanent loss of land	Plots, N	Area, sq.m.	Private AHs, N	Informal Tenant AHs, N	Total AHs, N
b-a.	0	0	-1	3	2

44. Changes in legal status of AHs: As a result of implementation, the total number of AHs has been justified and increased by 2 and amounted to 14 in compare with the LARP-reported 12. The changes in number and legal status of AHs were emerged due to legalization and cadastral corrections carried out during the implementation as follows:

- (i) In the LARP there were identified 4 illegal users on 2 community lands (3-Alaverdi, 1-Haghpat), while during the implementation two new land users have been identified on those lands.
- (ii) The LARP-reported one land user AH who has been considered as a potential legalizable owner of the land with status of “resident’s land or private land without registered ownership” (unidentified owners) in Haghpat. The user couldn’t register his rights towards the land due to lack of legal grounds, and the land plot became community-owned land, thus the AH has been re-categorized as an legal user of the community land and compensated accordingly.

Table 7. Impact on Private land plots and Land owners in Phase 2

Item: Permanent loss of land	Private Land Plots, N	Area, sq.m.	Land Owner AHs, N
a. Planned under LARP	2	809.00	3
b. Implementation tallies	1	105.40	2
Difference (b-a)	-1	- 703.60	-1

c) Impact on Buildings/Structures

45. As a result of implementation, the number of LARP-reported buildings hasn’t been changed, while the surface of one of the buildings has been justified (increased by 1.3 sq.m.) during the signing of property description protocols with AP. Thus 4 non-residential buildings (46.72 sq.m.) have been acquired and compensated accordingly. Details are shown in the table 8 below.

Table 8: Affected Buildings and Structures in Phase 2

Item: Affected buildings	Plots, N	No of buildings	Sq.m.	AHs, N
a. Planned under LARP				
Non-residential	2	4	45.42	3
a. Total	2	4	45.42	3
b. Implementation tallies				
Non-residential	2	4	46.72	3
b. Total	2	4	46.72	3
Difference (b-a)				
Non-residential	0	0	1.3	0
b-a	0	0	1.3	0

d) Impact on Crops and Trees

46. There were no affected crops in the completed section of Phase 2 in Lot 2.

47. Meantime, as a result of implementation, 207 fruit trees and 1188 bushes have been acquired and compensated instead of the LARP planned 159 trees and 1363 bushes. For the wood trees and decorative trees the changes are as follows: the number of wood trees has been decreased by 2 due to adjustments of inventory during the signing of property description protocol by APs, while the number of decorative trees remained unchanged. All trees (including the added) have been evaluated and compensated accordingly (see tables 9.1, 9.2, and 9.3 for details). Meantime, the severity of impact on AH's livelihood due to increase of these changes have been analyzed, identified and compensated in all applicable cases (see the section of severe impact).

Table 9.1 Affected fruit trees and bushes in Phase 2

Item: Affected trees / bushes	Bushes				Trees				Total Plots, N	Total AHs, N*
	Plot, N	No	Private AHs, N	Informal Tenant AHs, N	Plots, N	No	Private AHs, N	Informal Tenant AHs, N		
a. Planned under LARP										
Community land	1	1363	-	4	1	118	-	3	1	3
Private land	-	-	-	-	2	21	2	-	2	2
State land	-	-	-	-	2	20	-	3	2	3
a. Total	1	1363		4	5	159	2	6	5	8
b. Implementation tallies										
Community land	2	1188	-	3	2	159	-	6	2	6
Private land	-	-	-	-	1	2	1	-	1	1
State land	-	-	-	-	2	46	-	3	2	3
b. Total	2	1188	-	3	5	207	1	9	5	10
Difference (b-a)										
Community land	1	-175	0	-1	1	41	0	3	1	3
Private land	0	0	0	0	-1	-19	-1	0	-1	-1
State land	0	0	0	0	0	26	0	0	0	0
(b-a)	1	-175	0	-1	0	48	-1	3	0	2

**All AHs and land plots mentioned in "Bushes" section are included in "Trees" section as well.*

Table 9.2 Affected wood trees in Phase 2

Item: Affected wood trees	Plots, N	No	Private AHs, N	Informal Tenant AHs, N	Total AHs, N
a. Planned under LARP					
Community land	1	9	-	2	2
Private land	1	2	1	-	1
State land	-	-	-	-	-
a. Total	2	11	1	2	3
b. Implementation tallies					
Community land	2	9	-	2	2
Private land	-	-	-	-	-
State land	-	-	-	-	-
b. Total	2	9	0	2	2
Difference (b-a)					
Community land	1	0	0	0	0
Private land	-1	-2	-1	0	-1

Item: Affected wood trees	Plots, N	No	Private AHs, N	Informal Tenant AHs, N	Total AHs, N
State land	0	0	0	0	0
(b-a)	0	-2	-1	0	-1

Table 9.3 Affected decorative trees in Phase 2

Item: Affected decorative trees/bushes	Plots, N	No	Private AHs, N	Informal Tenant AHs, N	Total AHs, N
a. Planned under LARP					
Community land	1	8	-	2	2
Private land	-	-	-	-	-
State land	-	-	-	-	-
a. Total	1	8	0	2	2
b. Implementation tallies					
Community land	1	8	-	2	2
Private land	-	-	-	-	-
State land	-	-	-	-	-
b. Total	1	8	0	2	2
Difference (b-a)					
Community land	0	0	0	0	0
Private land	0	0	0	0	0
State land	0	0	0	0	0
(b-a)	0	0	0	0	0

e) Relocation

48. There were no relocated AHs in Phase 2 of Lot 2.

f) Impact on Business and Employment

49. There were no affected businesses in Phase 2 of Lot 2.

g) Impact on Improvement, Fences and Moveable assets

50. During the implementation, some changes have been emerged in identified improvements included in the LARP due to inventory verification during the signing of property description protocols and identified new users. All the new identified improvements have been evaluated and compensated accordingly. As a result, 20.6 sq.m and 128 m of improvements located on 7 land plots have been acquired and compensated to 10 AHs (see table 10.1 below). Meantime, during the implementation the surface of affected fences has been adjusted and increased with 202.25 sq.m, thus the total acquired and compensated number of fences amounts to 3 with 339.75 sq.m (see table 10.2).

51. There was no affected movable asset in the given section, thus no one has been compensated with transportation cost.

Table 10.1 Impact on Improvements in Phase 2

Item: Affected Improvements	Plots, N	Sq.m.	Length	Number	AHs, N
a. Planned under LARP					
Community land	2	-	52	-	2
Private land	1	8.6	19	-	1
State land	3	12	30	-	3
a. Total	6	20.6	101	-	6
b. Implementation tallies					
Community land	3	8.6	76	-	5
Private land	-	-	-	-	-
State land	4	12	52	-	5
b. Total	7	20.6	128	-	10
Difference (b-a)					
Community land	1	8.6	24	0	3
Private land	-1	-8.6	-19	0	-1
State land	1	0	22	0	2
b-a	1	0	27	0	4

Table 10.2 Impact on Fences in Phase 2

Item: Affected Fence	Plots, N	Sq.m.	AHs, N
a. Planned under LARP			
Community land	1	107.50	1
Private land	1	30	1
State land	-	-	-
a. Total	2	137.5	2
b. Implementation tallies			
Community land	1	203.75	1
Private land	1	96	1
State land	1	40	1
b. Total	3	339.75	3
Difference (b-a)			
Community land	0	96.25	0
Private land	0	66	0
State land	1	40	1
b-a	1	202.25	1

h) Impact on Socially Vulnerable AHs and Severe Impact

52. During the LARP implementation one vulnerable AH has been identified who hasn't been reported by LARP (the AH has been not available for census). As a result, the new identified vulnerable AH (elderly headed AH) has been paid with rehabilitation allowance in amount of 330.000 AMD equal to 6 months minimum salary (55.000 AMD).
53. As a result of LARP implementation, the number of severally affected AHs also has been increased by 1 AHs in compare with the planned 7 AHs as shown in table 11. As a result, 8 AHs have been paid with rehabilitation allowance equal to one-year yield compensation for their agricultural income generated assets.

Table 11. Impact on Vulnerable and Severely AHs in Phase 2

Lot 2, Phase 2	Vulnerable AHs, N	Severely AHs, N
	a. Planned under LARP	
	-	7
	b. Implementation tallies	
	1	8
	Difference (b-a)	
	1	1

i) Process of Compensation Provision

54. Payment of compensation is due to be made within 14 days of signing acquisition contracts. The amounts have been transferred to the bank accounts of APs. According to the LARP provisions, if an AP does not have a bank account, the bank account should be opened for him/her under the Project. As Converse OJSC proposed the most favourable terms and conditions (geographical location and absence of transaction charges), it was selected for M6 project compensation payment. At the same time, APs used their accounts as well, on request.
55. During the LARP implementation, bank accounts have been opened for all APs, except of those who requested to transfer the money to their existing accounts.
56. As a result of implementation, in total 330,000.00AMD and 2,707,370.00 AMD has been paid to vulnerable and severely affected AHs as rehabilitation allowances respectively (see tables 12 and 13).

Table 12. Paid allowances for socially vulnerable AHs in Phase 2

Item: Vulnerability	Poor AHs, N	Woman headed AHs, N	Elderly headed AHs, N	Disabled headed AHs, N	Total Vulnerable Ahs	Compensation, AMD
Lot 2						
a. Planned under LARP	-	-	-	-	-	-
b. Implementation tallies	-	-	1	-	1	330,000.00
Difference (b-a)	0	0	1	0	1	330,000.00

Table 13. Paid allowances for severe impact in Phase 2

Item: Severe Impact	Plots, N	AHs, N	Compensation, AMD
Lot 2			
a. Planned under LARP	4	7	2,920,610.00
b. Implementation tallies	5	8	2,707,370.00
Difference (b-a)	1	1	- 213,240.00

57. The total cost of LARP implementation in Lot 2 under Phase 2, including the costs for registration services, amounted to **48,213,901.61 AMD** instead of planned **40,782,969.11 AMD** (additional cost: **7,430,932.50 AMD**).
58. The Table 14 below summarizes the LARP implementation indicators in Phase 2 of Lot 2, as well as presents comparison of planned and actual LARP implementation budgets for this section.

Table 14. Comparison of LARP planned impact and budget versus the actual implementation tallies in Phase 2 of Lot 2

Item	Planned under LARP					Implementation tallies					Difference (b-a)					Note
	N	Sqm	Length m	Compensation amount, AMD	AHs, N	N	Sqm	Length m	Compensation amount, AMD	AHs, N	N	Sqm	Length m	Compensation amount, AMD	AHs, N	
	a.					b.					b-a					
1. Land																
State land	14	104,358.70	-	-	5	14	104,358.70	-	-	5	0	0	-	-	0	
Community land	32	31,476.60	-	14,664,296.76	4	34	32,248.70	-	16,035,838.51	7	2	772.10	-	1,371,541.75	3	
Private land	2	809.00	-	1,405,679.50	3	1	105.40	-	151,512.50	2	-1	703.60	-	1,254,167.00	-1	
Non identified	1	68.50	-	117,374.75	-	-	-	-	-	-	-1	68.50	-	117,374.75	0	
1. Subtotal	49	136,712.80	-	16,187,351.01	12	49	136,712.80	-	16,187,351.01	14	1	0	-	0	2	
2. Structures and buildings																
Residential	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Non-residential	4	45.42	-	2,915,766.00	3	4	46.72	-	3,010,406.00	3	0	1.30	-	94,640.00	0	
2. Subtotal	4	45.42	-	2,915,766.00	3	4	46.72	-	3,010,406.00	3	0	1.30	-	94,640.00	0	
3. Trees, crops																
Fruit trees/bushes	1522	-	-	11,931,492.10	8	1395	-	-	16,313,058.60	10	-127	-	-	4,381,566.50	2	
Wood trees	11	-	-	149,070.00	3	9	-	-	89,270.00	2	-2	-	-	59,800.00	-1	
Decorative trees	8	-	-	23,000.00	2	8	-	-	23,000.00	2	0	-	-	-	0	
Crops	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
3. Subtotal	1541	-	-	12,103,562.10	8	1412	-	-	16,425,328.60	10	-129	-	-	4,321,766.50	2	
4. Fence																
Fences	-	137.50	-	2,841,300.00	2	-	339.8	-	7,046,516.00	3	-	202.25	-	4,205,216.00	1	
4. Subtotal	-	137.50	-	2,841,300.00	2	-	339.8	-	7,046,516.00	3	-	202.25	-	4,205,216.00	1	
5. Improvements																
Improvements	-	20.60	101.00	1,183,380.00	6	-	20.60	128.00	1,275,680.00	10	-	-	27.00	92,300.00	4	
5. Subtotal	-	20.60	101.00	1,183,380.00	6	-	20.60	128.00	1,275,680.00	10	-	-	27.00	92,300.00	4	
6. Transportation																
Transportation	-	-	-	-	-	1	-	-	35,250.00	1	1	-	-	35,250.00	1	
Movable assets	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
6. Subtotal	-	-	-	-	-	1	-	-	35,250.00	1	1	-	-	35,250.00	1	
7. Business																
Business	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Employment	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
7. Subtotal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
8. Relocation																
Relocation	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Relocation allowance	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
8. Subtotal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
9. Vulnerability																
Vulnerability	-	-	-	-	-	1	-	-	330,000.00	1	1	-	-	330,000.00	1	
9. Subtotal	-	-	-	-	-	1	-	-	330,000.00	1	1	-	-	330,000.00	1	
10. Severe																
Severe impact	4	-	-	2,920,610.00	7	5	-	-	2,707,370.00	2	1	-	-	213,240.00	-5	

Item	Planned under LARP					Implementation tallies					Difference (b-a)					Note	
	N	Sqm	Length m	Compensation amount, AMD	AHs, N	N	Sqm	Length m	Compensation amount, AMD	AHs, N	N	Sqm	Length m	Compensation amount, AMD	AHs, N		
	a.					b.					b-a						
10. Subtotal	4	-	-	2,920,610.00	7	5	-	-	2,707,370.00	2	0	-	-	213,240.00	-5		
11. Registration costs																	
Cadastral	-	-	-	1,940,500.00	-	-	-	-	1,196,000.00	-	-	-	-	-	744,500.00	-	
Notarial	-	-	-	550,500.00	-	-	-	-	30,000.00	-	-	-	-	-	520,500.00	-	
Court	-	-	-	140,000.00	-	-	-	-	-	-	-	-	-	-	140,000.00	-	
11. Subtotal	-	-	-	2,631,000.00	-	-	-	-	1,196,000.00	-	-	-	-	1,435,000.00	-		
TOTAL	-	-	-	40,782,969.11	12	-	-	-	48,213,901.61	14	-	-	-	7,430,932.50	2		

III. Implementation of Legalization and Cadastral Correction Plan in Phase 2

59. Within the LARP implementation, the SSSC/TPIO has carried out the implementation of Legalization and Cadastral Correction Plan defined by LARP in the Phase 2 section (2 cases in total). The actions and procedures are being carried out within the LARP implementation in accordance to RA legislation to solve the above listed issues (defined in the chapter H of LARP⁵). The details on solved cases are described in Table 15 below. The APs have been fully consulted and assisted by SSSC/TPIO, moreover, all legalization and cadastral correction costs have been covered by LARP budget.

Table 15. Description of Legalization and cadastral correction cases and actions implemented in Phase 2

Community	No of land plots	Cadastral lot-code	Owner per LARP	Informal tenant/ renter	Legalization actions carried out
Issues related to the not registered ownership rights towards the private land plot					
Haghpat	1	06-060-0210-0002	Private owner	Stanislav Antanesyan	According to the cadastral map for the right holder to the land plot it was marked "a citizen" which rights were not registered. During the implementation period the land actual user did not provide the necessary bases/documents of land allocation. IC applied to the community with a request to recognize the land plot as a property of community. By the decision of Community Council, the land plot has been recognized as community property
Not identified ownership status					
Alaverdi	1	06-002-0140	not identified	-	The land plot was marked as not identified and valued as Community land in the LARP. During the Implementation period the IC requested the Cadastre to provide additional information on the land plot. In a result it has been ascertained that it is a community land with 06-002-0140-0020 cadastral lot-code.

IV. Grievance Redress Process in Phase 2

60. As defined by the LARP, the GRM has been established in each affected community prior the start of LARP implementation, particularly the letters have been sent to each community in February 2018 requesting the representative from community administration to be nominated as grievance focal person (entering point for grievances) together with SSSC representative. The details on GRM with contact details have been posted in all community administration offices upon start of LARP implementation.
61. Only one complaint (request) has been received during the implementation of LARP in Phase 2, which has been addressed and requested information provided to AP (details are provided in the table 16 below).

Table 18. Description of grievance redress cases in Phase 2

Total (No)	Ongoing (No)	Resolved in a favor of AP (No)	Resolved AP is not satisfied (No)	Description

⁵ The detailed list of legalization and cadastral correction cases, their description and AHs involved is presented in Appendix 8 of the LARP.

Total (No)	Ongoing (No)	Resolved in a favor of AP (No)	Resolved AP is not satisfied (No)	Description
1	-	1	-	The request was received from AP (Haghpat, lot-code 06-060-0518-0001) to provide him information about construction design on exact part of the land used by him. The information has been provided.

V. Vibration modelling and sensitive buildings in Phase 2

62. As planned by LARP, the implementation of vibration modelling has been required by ADB to ensure the comprehensive detailed impact assessment of the properties along the project road⁶. It is planned that the vibration survey on the sensitive locations along the road has to be implemented during the LARP implementation stage prior the start of civil works with involvement of relevant qualified specialists and equipment (the preliminary list of sensitive buildings has been included in LARP). In case, if the further vibration survey confirms the sensitivity of those properties to vibration due to construction activities, and relevant mitigation measures cannot be carried out, they are subject to acquisition and compensation based on provisions of the LARP and principles of SPS.
63. There are 2 sensitive buildings/points identified within the Phase 2 section to be monitored by Supervision Engineer during the construction activities based on vibration modelling study results and norms. In case if as a result of vibration modelling the sensitive buildings will become risky for damage without any possible mitigation measures, then they will be assessed and acquired in accordance with LARP provisions. The construction will be stopped on those sections until the completion of acquisition and relocation. The details on sensitive points in Phase 2 of Lot 2 are provided in Annex 4.

VI. Conclusion on LARP Implementation in Phase 2

64. As a result of monitoring, based on above presented findings, we consider, that the LARP implementation in the Phase 2 of Lot 2 is effectively completed in compliance with operation procedures and with the consent of APs for 49 land plots involved 14 AHs. The list of acquired and compensation lands plots in Lot 2 per communities is attached in Annex 1.
65. Thus, the following sections are free of third parties' rights and can be handed over to the Contractor for the commencement of construction upon the approval of this CR by ADB:

	Chainage, KM	Length, m	Community
1	48+141-48+900	759	Alaverdi, Haghpat, Aqori,
2	49+705-50+670	965	
3	53+251-54+515	1264	
4	54+940-56+050	1110	
5	57+350-58+540	1190	
6	60+910-62+120	1210	
Total		6678	

⁶ ADB has proposed its specialized technical assistance to the MTCIT for conducting studies and surveys to assist MTCIT in meeting the SPS standards for vibration, and to recommend and assess the cost of the best available mitigation measures needed to meet the standards.

66. Meantime, the Supervision Engineer and the Contractor will be instructed to keep at least 10m of buffer zone from each side of the handed over section during the civil works to avoid any damages to the near located land plots which haven't been acquired and compensated. The Supervision Engineer will check the exact demarcation of the handed over sections and monitor the construction activities accordingly.

No	Land						Structures		Fence		Improvements			Transportation	Fruit trees/bushes		Wood trees/bushes		Décor trees/bushes		Vulnerability	Severely affected
	Community	Cadastral lot-code	Ownership status	HH Number	Affected sqm	Compensation (AMD)	Sqm	Compensation (AMD)	Sqm	Compensation (AMD)	Sqm	Length	Compensation (AMD)	Compensation (AMD)	Number	Compensation (AMD)	Number	Compensation (AMD)	Number	Compensation (AMD)	Compensation (AMD)	Compensation (AMD)
20	Haghpat	06-060-0518-0001	RA	2	72,951.30	-	-	40.00	830,416.00	-	22.00	74,800.00	-	-	40	2,562,921.00	-	-	-	-	-	527,050.00
21	Haghpat	06-060-0523-0001	RA	1	12,152.00	-	-	-	-	10.00	10.00	180,000.00	-	-	-	-	-	-	-	-	-	-
22	Alaverdi	06-002-0001-0054	Community	-	223.30	382,624.55	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
23	Alaverdi	06-002-0010-0024	Community	-	251.80	431,459.30	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
24	Alaverdi	06-002-0029-0001	Community	-	367.60	91,734.58	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
25	Alaverdi	06-002-0031-0001	Community	-	991.30	1,698,592.55	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
26	Alaverdi	06-002-0050-0038	Community	-	3,413.70	851,888.84	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
27	Alaverdi	06-002-0050-0063	Community	3	1,146.70	1,648,381.25	35.22	2,662,456.00	203.75	4,219,300.00	-	9.00	29,700.00	-	1,226	11,313,813.80	7	50,410.00	8	23,000.00	-	1,852,720.00
28	Alaverdi	06-002-0137-0007	Community	-	55.00	84,755.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
29	Alaverdi	06-002-0137-0008	Community	-	11.30	17,413.30	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
30	Alaverdi	06-002-0137-0014	Community	-	74.30	127,313.05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
31	Alaverdi	06-002-0137-0015	Community	-	1,298.20	2,075,172.70	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
32	Alaverdi	06-002-0140-0001	Community	-	89.40	153,186.90	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
33	Alaverdi	06-002-0140-0003	Community	-	176.20	301,918.70	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
34	Alaverdi	06-002-0140-0007	Community	-	29.50	50,548.25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
35	Alaverdi	06-002-0140-0020	Community	-	68.50	117,374.75	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
36	Alaverdi	06-002-0143-0001	Community	-	571.30	978,922.55	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
37	Alaverdi	06-002-0143-0002	Community	-	220.00	339,020.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
38	Alaverdi	06-002-0143-0005	Community	-	260.40	446,195.40	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
39	Alaverdi	06-002-0143-0006	Private	2	105.40	151,512.50	-	-	96.00	1,996,800.00	-	-	-	-	2	320,280.00	-	-	-	-	-	75,600.00

No	Land						Structures		Fence		Improvements			Transportation	Fruit trees/bushes		Wood trees/bushes		Décor trees/bushes		Vulnerability	Severely affected
	Community	Cadastral lot-code	Ownership status	HH Number	Affected sqm	Compensation (AMD)	Sqm	Compensation (AMD)	Sqm	Compensation (AMD)	Sqm	Length	Compensation (AMD)	Compensation (AMD)	Number	Compensation (AMD)	Number	Compensation (AMD)	Number	Compensation (AMD)	Compensation (AMD)	Compensation (AMD)
40	Alaverdi	06-002-0203-0001	Community	-	1,079.40	269,364.27	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
41	Alaverdi	06-002-0629-0003	RA	1	2,795.50	-	-	-	-	2.00	-	70,000.00	-	-	-	-	-	-	-	-	-	-
42	Alaverdi	06-002-0629-0004	RA	-	86.60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
43	Alaverdi	06-002-0798-0001	RA	-	9,702.60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
44	Alaverdi	06-002-0798-0003	RA	-	51.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
45	Alaverdi	06-002-0817-0001	RA	-	21.90	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
46	Alaverdi	06-002-0818-0001	RA	-	38.20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
47	Alaverdi	06-002-0831-0001	Community	-	34.80	53,626.80	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
48	Alaverdi	06-002-0832-0001	RA	-	1,987.20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
49	Alaverdi	06-002-0833-0001	Community	-	47.60	73,351.60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total				14	136,712.80	16,187,351.01	46.72	3,010,406.00	339.75	7,046,516.00	20.60	128.00	1,275,680.00	35,250.00	1,395	16,313,058.60	9	89,270.00	8	23,000.00	330,000.00	2,707,370.00

Annex 2. Scheme of LARP implementation Phases per Lots and Road Pickets

Lot_1 km38+450 -km 48+140 (9690m)																								
Km	37500	37550	37600	37650	37700	37750	37800	37850	37900	37950	38000	38050	38100	38150	38200	38250	38300	38350	38400	38450	38500	38550	38600	38650
Km	38700	38750	38800	38850	38900	38950	39000	39050	39100	39150	39200	39250	39300	39350	39400	39450	39500	39550	39600	39650	39700	39750	39800	39850
Km	39900	39950	40000	40050	40100	40150	40200	40250	40300	40350	40400	40450	40500	40550	40600	40650	40700	40750	40800	40850	40900	40950	41000	41050
Km	41100	41150	41200	41250	41300	41350	41400	41450	41500	41550	41600	41650	41700	41750	41800	41850	41900	41950	42000	42050	42100	42150	42200	42250
Km	42300	42350	42400	42450	42500	42550	42600	42650	42700	42750	42800	42850	42900	42950	43000	43050	43100	43150	43200	43250	43300	43350	43400	43450
Km	43500	43550	43600	43650	43700	43750	43800	43850	43900	43950	44000	44050	44100	44150	44200	44250	44300	44350	44400	44450	44500	44550	44600	44650
								40m.																
Km	44700	44750	44800	44850	44900	44950	45000	45050	45100	45150	45200	45250	45300	45350	45400	45450	45500	45550	45600	45650	45700	45750	45800	45850
Km	45900	45950	46000	46050	46100	46150	46200	46250	46300	46350	46400	46450	46500	46550	46600	46650	46700	46750	46800	46850	46900	46950	47000	47050
				50m.	50m.	45m.				50m.	10m.							15m.	30m.	50m.	25m.			50m.
Km	47100	47150	47200	47250	47300	47350	47400	47450	47500	47550	47600	47650	47700	47750	47800	47850	47900	47950	48000	48050	48100	48140		
	50m.	50m.	50m.	50m.						10m.	25m.	20m.	20m.	50m.	50m.	50m.	50m.							

Lot_2 km 48+140 -km 62+300 (14160m)																									
Km	48140	48150	48200	48250	48300	48350	48400	48450	48500	48550	48600	48650	48700	48750	48800	48850	48900	48950	49000	49050	49100	49150	49200	49250	
																		15m.	50m.	50m.	10m.				
Km	49300	49350	49400	49450	49500	49550	49600	49650	49700	49750	49800	49850	49900	49950	50000	50050	50100	50150	50200	50250	50300	50350	50400	50450	
						30m.			5m.	5m.															
Km	50500	50550	50600	50650	50700	50750	50800	50850	50900	50950	51000	51050	51100	51150	51200	51250	51300	51350	51400	51450	51500	51550	51600	51650	
Km	51700	51750	51800	51850	51900	51950	52000	52050	52100	52150	52200	52250	52300	52350	52400	52450	52500	52550	52600	52650	52700	52750	52800	52850	
Km	52900	52950	53000	53050	53100	53150	53200	53250	53300	53350	53400	53450	53500	53550	53600	53650	53700	53750	53800	53850	53900	53950	54000	54050	
Km	54100	54150	54200	54250	54300	54350	54400	54450	54500	54550	54600	54650	54700	54750	54800	54850	54900	54950	55000	55050	55100	55150	55200	55250	
									25m.				5m.	50m.	50m.	25m.									
Km	55300	55350	55400	55450	55500	55550	55600	55650	55700	55750	55800	55850	55900	55950	56000	56050	56100	56150	56200	56250	56300	56350	56400	56450	
																	15m.	15m.	50m.	50m.	30m.				
Km	56500	56550	56600	56650	56700	56750	56800	56850	56900	56950	57000	57050	57100	57150	57200	57250	57300	57350	57400	57450	57500	57550	57600	57650	
	25m.														50m.	50m.	45m.								
Km	57700	57750	57800	57850	57900	57950	58000	58050	58100	58150	58200	58250	58300	58350	58400	58450	58500	58550	58600	58650	58700	58750	58800	58850	
																		10m.	50m.	50m.	50m.	50m.	30m.		
Km	58900	58950	59000	59050	59100	59150	59200	59250	59300	59350	59400	59450	59500	59550	59600	59650	59700	59750	59800	59850	59900	59950	60000	60050	
																	15m.	35m.					40m.	50m.	5m.
Km	60100	60150	60200	60250	60300	60350	60400	60450	60500	60550	60600	60650	60700	60750	60800	60850	60900	60950	61000	61050	61100	61150	61200	61250	
														5m.	50m.	10m.									
Km	61300	61350	61400	61450	61500	61550	61600	61650	61700	61750	61800	61850	61900	61950	62000	62050	62100	62150	62200	62250	62300				

Lot_3 km 62+300 -km 90+191 (27891m)

Km	62300	62350	62400	62450	62500	62550	62600	62650	62700	62750	62800	62850	62900	62950	63000	63050	63100	63150	63200	63250	63300	63350	63400	63450	
Km	63500	63550	63600	63650	63700	63750	63800	63850	63900	63950	64000	64050	64100	64150	64200	64250	64300	64350	64400	64450	64500	64550	64600	64650	
Km	64700	64750	64800	64850	64900	64950	65000	65050	65100	65150	65200	65250	65300	65350	65400	65450	65500	65550	65600	65650	65700	65750	65800	65850	
		20m.			5m.																				
Km	65900	65950	66000	66050	66100	66150	66200	66250	66300	66350	66400	66450	66500	66550	66600	66650	66700	66750	66800	66850	66900	66950	67000	67050	
										10m.	50m.	50m.	30m.												
Km	67100	67150	67200	67250	67300	67350	67400	67450	67500	67550	67600	67650	67700	67750	67800	67850	67900	67950	68000	68050	68100	68150	68200	68250	
																	50m.	50m.	50m.	50m.	20m.				
Km	68300	68350	68400	68450	68500	68550	68600	68650	68700	68750	68800	68850	68900	68950	69000	69050	69100	69150	69200	69250	69300	69350	69400	69450	
Km	69500	69550	69600	69650	69700	69750	69800	69850	69900	69950	70000	70050	70100	70150	70200	70250	70300	70350	70400	70450	70500	70550	70600	70650	
Km	70700	70750	70800	70850	70900	70950	71000	71050	71100	71150	71200	71250	71300	71350	71400	71450	71500	71550	71600	71650	71700	71750	71800	71850	
														30m.	50m.	50m.	50m.	50m.	50m.	50m.	50m.	10m.	50m.		
Km	71900	71950	72000	72050	72100	72150	72200	72250	72300	72350	72400	72450	72500	72550	72600	72650	72700	72750	72800	72850	72900	72950	73000	73050	
														5m.	50m.	50m.	50m.	50m.	50m.	50m.	50m.	30m.	45m.	50m.	
Km	73100	73150	73200	73250	73300	73350	73400	73450	73500	73550	73600	73650	73700	73750	73800	73850	73900	73950	74000	74050	74100	74150	74200	74250	
		50m.	50m.	50m.	50m.	50m.	50m.	50m.	45m.	50m.	50m.	50m.	50m.	50m.	50m.	50m.	50m.	50m.	50m.	50m.	10m.	50m.	45m.	50m.	
Km	74300	74350	74400	74450	74500	74550	74600	74650	74700	74750	74800	74850	74900	74950	75000	75050	75100	75150	75200	75250	75300	75350	75400	75450	
		50m.	50m.	50m.	25m.						40m.	50m.	50m.	50m.	50m.	50m.	50m.	50m.	50m.	30m.	10m.	30m.	50m.	50m.	
Km	75500	75550	75600	75650	75700	75750	75800	75850	75900	75950	76000	76050	76100	76150	76200	76250	76300	76350	76400	76450	76500	76550	76600	76650	
		50m.	50m.	50m.	50m.	50m.	50m.	50m.	50m.	50m.	50m.	50m.	50m.	50m.	50m.										
Km	76700	76750	76800	76850	76900	76950	77000	77050	77100	77150	77200	77250	77300	77350	77400	77450	77500	77550	77600	77650	77700	77750	77800	77850	
Km	77900	77950	78000	78050	78100	78150	78200	78250	78300	78350	78400	78450	78500	78550	78600	78650	78700	78750	78800	78850	78900	78950	79000	79050	
Km	79100	79150	79200	79250	79300	79350	79400	79450	79500	79550	79600	79650	79700	79750	79800	79850	79900	79950	80000	80050	80100	80150	80200	80250	
Km	80300	80350	80400	80450	80500	80550	80600	80650	80700	80750	80800	80850	80900	80950	81000	81050	81100	81150	81200	81250	81300	81350	81400	81450	
Km	81500	81550	81600	81650	81700	81750	81800	81850	81900	81950	82000	82050	82100	82150	82200	82250	82300	82350	82400	82450	82500	82550	82600	82650	
Km	82700	82750	82800	82850	82900	82950	83000	83050	83100	83150	83200	83250	83300	83350	83400	83450	83500	83550	83600	83650	83700	83750	83800	83850	
Km	83900	83950	84000	84050	84100	84150	84200	84250	84300	84350	84400	84450	84500	84550	84600	84650	84700	84750	84800	84850	84900	84950	85000	85050	
Km	85100	85150	85200	85250	85300	85350	85400	85450	85500	85550	85600	85650	85700	85750	85800	85850	85900	85950	86000	86050	86100	86150	86200	86250	
Km	86300	86350	86400	86450	86500	86550	86600	86650	86700	86750	86800	86850	86900	86950	87000	87050	87100	87150	87200	87250	87300	87350	87400	87450	
Km	87500	87550	87600	87650	87700	87750	87800	87850	87900	87950	88000	88050	88100	88150	88200	88250	88300	88350	88400	88450	88500	88550	88600	88650	
Km	88700	88750	88800	88850	88900	88950	89000	89050	89100	89150	89200	89250	89300	89350	89400	89450	89500	89550	89600	89650	89700	89750	89800	89850	

Annex 3. Summary of Affected Households/ Persons by Category of Impact per LARP

Impact Category	Impact Type	AH Per Type of Impact	AP Per Type of Impact	AH without Double Counting	Absolute number of APs	Remarks
	Affected unit No /m/ m2	No.	No.	No.	No.	
A. Land						
A1. Private Land	15.739,30	91	266	91	266	-
A2. Leased land	5,00	1	1	1	1	-
A3. Community Land	177.192,80	86	274	68	199	18 AHs are included in A1
A4. Government Land	332.946,34	11	29	8	16	1 AH is included in A1, 2 AHs are included in A3
A5. Non identified	135,10	-	-	-	-	-
Subtotal A	526.018,54	-	-	168	482	-
B. Structures						
B1. Residential	715,67	27	74	-	-	15 AHs are included in A1, 12 AHs are included in A3
B1. Non-Residential	316,4	22	76	-	-	5 AHs are included in A1, 16 AHs are included in A3, 1 AHs is included in A4
Subtotal B	1.032,07	-	-	-	-	-
C. Movable structures						
C1. Movable structures	118,30	6	15	-	-	5 AHs are included in A3, 1 AHs is included in A4
Subtotal C	118,30	-	-	-	-	-
D. Fence						
D1. Fence	2.398,24	52	201	-	-	27 AHs are included in A1, 25 AHs are included in A3
Subtotal D	2.398,24	-	-	-	-	-
E. Improvements						
E1. Improvements (m2)	238,60	76	280	-	-	33 AHs are included in A1, 38 AHs are included in A3, 5 AHs are included in A4
E2. Improvements (l.m.)	3.562,60					
E3. Improvements (no)	38,00					

Impact Category	Impact Type	AH Per Type of Impact	AP Per Type of Impact	AH without Double Counting	Absolute number of APs	Remarks
	Affected unit No /m/ m2	No.	No.	No.	No.	
Subtotal E	-	-	-	-	-	-
F. Trees						
F1. Fruit trees	13.573,00	93	320	-	-	All AHs are included in A1, A3 and A4
F2. Wood trees	40,00	10	34	-	-	
F3. Decorative trees	141,00	23	76	-	-	
Subtotal F	13.754,00	-	-	-	-	-
G. Crops						
G1. Crops	151,00	7	31	-	-	4 AHs are included in A1, 3 AHs are included in A3
Subtotal G	151,00	-	-	-	-	-
H. Business loss						
H1. With tax declaration	1	2	6	1	5	1 AH is included in A1
Subtotal H	1	2	6	1	5	-
I. Vulnerable						
I1. Vulnerable AH	-	28	62	3	5	10 AHs are included in A1, 14 AHs are included in A3, 1 AH is included in A4
Subtotal I	-	-	-	3	5	-
J. Relocation impact						
J1. Residential relocatee	-	6	25	-	-	All AHs are included in A1
J2. 10% loss of agricultural income		60	194	-	-	19 AHs are included in A1, 35 AHs are included in A3, 6 AH is included in A4
J3. Non land improvement		4	7			1 AH is included in A3, 3 AHs are included in I1
Subtotal J	-	-	-	-	-	-

Impact Category	Impact Type	AH Per Type of Impact	AP Per Type of Impact	AH without Double Counting	Absolute number of APs	Remarks
	Affected unit No /m/ m2	No.	No.	No.	No.	
Total	-	-	-	172	492	-

Annex 4. List of sensitive properties in Phase 2 subject to vibration monitoring

N	Marz	Community	Cadastral lot-code of the land plot	Target prupose of the land plot by cadaster	Type of land/actual usage purpose of the land plot by cadaster	Total area of the land plot by cadaster, ha	Location of the property, PK (km)		Chainage, KM	Distance from the new road, m	The land plot is: 1. In LAR boundaries 2. Out of LAR boundaries	The surface of the residential building, sqm (based on cadastral data or google map, as available)	Inhabited/Uninhabited status (where available)	Information on construction activities on the specified location
1	Lori	Haghpat	06-060-0210-0002	Agricultural	Arable	0.1089	61+920	Right	60+910-62+120	11.0	1	80.0	Inhabited	Compaction by rollers
2	Lori	Alaverdi city	06-002-0031-0026				48+800	Right	48+141-48+900	2.0	2	100.0	Inhabited	Compaction by rollers