



# Annual Environmental and Social Monitoring Report

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Project Number: 43922 (Loan 2620)  
December 2013

## ARMENIA: Zvartnots Airport Expansion Project (Phase 2) Annual Environmental and Social Monitoring Report

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Asian Development Bank

# Annual Environmental & Social Report

## Company Details

**Company Name:** "Armenia" International Airports" CJSC

**Company Address:** AIA Building, Zvartnots International Airport 42

**Country:** Republic of Armenia

**Town/Location:** Yerevan

**Company authorized representative (e.g. Environmental Manager):**

I certify that the data contained in this report completely and accurately represents operations during this reporting period.

Signature: Hasmik Aleksanyan

Title: Environmental Responsible

Date: 27.02.2014

### Contact Details

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## Reporting Period: 2013

### General

Have there been any accidents or environmental or social incidents that have caused damage, brought about injuries or fatalities, affected project labour or local communities, affected cultural property, or created liabilities for the company?	<b>Yes</b> <input type="checkbox"/> <b>No</b> <input type="checkbox"/>	<p>If yes, please describe, including details of actions to repair and prevent reoccurrence:</p> <p>One of the administrative buildings' roof was blown off by a strong wind and fallen down on some of the parked vehicles of Airport employees. The damage has been reimbursed to the affected employees.</p>
Is the project materially compliant with all applicable environmental and social laws and regulations?	<b>Yes</b> <input type="checkbox"/> <b>No</b> <input type="checkbox"/>	<p>If No, please provide details of any material non-compliances:</p>
How many inspections did you receive from the local environmental authorities during the reporting period?	Number: <b>1</b>	<p>Please provide details of these visits:</p> <p>The environmental fee for construction waste had not been paid.</p>
How many inspections did you receive from the local health and safety authorities during the reporting period?	Number: <b>1</b>	<p>Please provide details of these visits:</p> <p>Health and safety inspection of the employees</p>
How many inspections did you receive from the local labour authorities during the reporting period?	Number: <b>0</b>	<p>Please provide details of these visits:</p>
Have these visits resulted in any penalties, fines and/or corrective action plans?	<b>Yes</b> <input type="checkbox"/> <b>No</b> <input type="checkbox"/>	<p>If yes, please describe:</p> <p>The environmental inspection resulted in a penalty, the health and safety inspection resulted in corrective actions.</p>

Have any operations been reduced, temporarily suspended or closed down due to environmental, health and safety or labour reasons?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	If yes, please describe:
Please describe any environment-related programmes or sub-projects undertaken during the reporting period: none  Please indicate the level of associated expenditure (capital expenditure and operating expenditure):		

### Status of the Environmental and Social Action Plan

Please provide information on the status of each item in the Environmental and Social Action Plan (ESAP) agreed with EBRD. If the ESAP has been updated during the reporting period, please attach a copy of the new plan.

There is one pending issue; i.e. the old vehicle metal scrap. It is being moved from the Airport premises continuously (a little part is left). The removal process is estimated to be completed by July, 2014

## Environmental Monitoring Data<sup>1</sup>

Parameter <sup>2</sup>	Value <sup>3</sup>	Unit	Compliance Status <sup>4</sup>	Comments <sup>5</sup>
<b>Waste Water</b>				
Total waste water generated	866.5	M <sup>3</sup> /year	In compliance with the established norms 986756 M <sup>3</sup> /year	
BOD	3.4	mgO2/L	In compliance with the established norms 70 mg/L	Waste water monitoring result
COD	4.6	mgO2/L	In compliance with the established norms 143mg/L	
Suspended Solids	4.0	mg/L	In compliance with the established norms 75mg/L	
Phosphorus		--		
Nitrates	4.0	mg/L	In compliance with the established norms 10mg/L	
Heavy metals	absence			
[Other]				
<b>Air Emissions</b>				
SO <sub>2</sub>				
NO <sub>x</sub>	5.11	ton/year	In compliance with the established norms 9.2ton/year	
Particulates				
CO <sub>2</sub>	15.45	ton/year	In compliance with the established norms 37.8ton/year	
CH <sub>4</sub>				
N <sub>2</sub> O				
HFCs				
PFCs				
SF <sub>6</sub>				
[Other]				
<b>Other Parameters</b>				
Noise				
[Other]				
<b>Solid Waste</b>				
<p>Please provide details of the types and amounts of solid wastes generated by the project. Indicate where wastes are classified as hazardous. Indicate the final re-use, recycle or disposal method for each waste type.</p> <p style="color: blue;">We perform urban and hazardous waste segregation. Urban waste 1044t /year. and 1280t/y construction waste for 2013.</p>				

<sup>1</sup> Please provide the results of any environmental monitoring carried out by the Company or its consultants. If you already have all the data requested available in another format, then this can be used instead.

<sup>2</sup> Not all parameters will necessarily apply. Please complete those rows that are most relevant to the industry sector. Additional parameters can be added as necessary.

<sup>3</sup> Please ensure that the units of measurement are clearly stated

<sup>4</sup> Please report on compliance against the standards agreed with EBRD for this project (typically local, EU and/or World Bank Group)

<sup>5</sup> In addition to any other relevant comments, please indicate whether the measurements reported apply to all or only some process operations at the facility

## Resource Usage and Product Output

Parameter	Value	Measurement Unit	Comments <sup>6</sup>
<b>Fuels used</b>			
Oil			
Gas	2.165.859	Nm <sup>3</sup> /year	For heating
Coal			
Lignite			
Grid Electricity	25.808.916	Kw*h/year	For all process operations
Heat Purchased			
Feedstocks and raw materials consumed			
Name 1			
Name 2			
Product output			
Product 1			
Product 2			

## Health and Safety Data

Fatalities <sup>7</sup>	Number: 0	Total Lost Time Accidents (including vehicular) <sup>8</sup>	Number: 0
Total number of lost workdays <sup>9</sup> resulting from incidents.	Number: 38	Total man-hours worked this reporting period:	Number:
Incidence during this reporting period: <span style="color: blue;">Mr. A. Melkonyan felt dizzy and fell down while performing his working duties</span>  <span style="color: blue;">Mr. K. Ghazaryan while performing his working duties demonstrated inattentiveness; slipped, fell down and got a fracture - an injury near his right shoulder.</span>  <span style="color: blue;">Mrs. L. Hovsepyan while going to her workplace</span>	Number:  <i>[[Incidence 3 total lost workdays/total hours worked</i>	Incidence during the previous reporting period:	Number: 1  <i>[[Incidence = total lost workdays/total hours worked]</i>

<sup>6</sup> In addition to any other relevant comments, please indicate whether the measurements reported apply to all or only some process operations at the facility. Please include any relevant fuel quality parameters (e.g. calorific value)

<sup>7</sup> If you have not already done so, please provide a separate report detailing the circumstances of each fatality.

<sup>8</sup> In capacity to work for at least one full workday beyond the day on which the accident or illness occurred.

<sup>9</sup> Lost workdays are the number of workdays (consecutive or not) beyond the date of injury or onset of illness that the employee was away from work or limited to restricted work activity because of an occupational injury or illness.

demonstrated inattentiveness lost her balance and fell down.			
Please summarise any health and safety training that has been provided for company personnel during the report period:			
The company personnel have received training on health and safety matters. Health and safety training is provided to personnel: before the employment, then the primary instruction on the work site, and periodical training –held twice a year (every 6 months)			
<b>Please summarise any emergency prevention and response training that has been provided for company personnel during the report period:</b>			
In compliance with the training program of “Zvartnots” International Airport emergency-rescue group personnel, on March 29, August 13, 14, 15, 20 and October 30, 2013 emergency-rescue teams’ practical training was conducted at “Zvartnots” International Airport.			
GUARD theoretical training was organized at “Zvartnots” International Airport in cooperation with GDCA, Ministry of Emergency Situations of RA, UNDP and Deutsche Post DHL. Oct 7-10, 2013			
Please summarise any emergency response exercises or drills that have been carried out during the report period:			
None			

Human Resources Management		
Have there been any changes to the following policies or terms and conditions during the reporting period: <ul style="list-style-type: none"> <li>• Non-discrimination and equal opportunity policy</li> <li>• Employment of young persons under age 18</li> <li>• Wages (wage level, normal and overtime)</li> <li>• Overtime</li> <li>• Working hours</li> <li>• Grievance mechanism for workers</li> <li>• Union recognition or negotiation</li> <li>• Health &amp; safety</li> </ul>	Yes <input type="checkbox"/> No <input type="checkbox"/>	If yes, please give details:  Shift employees timetable - 9:00-21:00, 21:00-09:00  Daily workers - from 9:00-18:00  Administrative timetable - 10:00-19:00
Were there any collective redundancies during the reporting period?	Yes <input type="checkbox"/> No <input type="checkbox"/>	If yes, please describe the redundancy plan, including reasons for redundancies, number of workers involved, how they were selected, and consultation undertaken:
Are there any planned redundancies or additions to the workforce in the next year?	Yes <input type="checkbox"/> No <input type="checkbox"/>	If yes, please describe the redundancy plan, including reasons for redundancies, number of workers involved, and selection and consultation process:
Have employees raised any grievances with the project during the reporting period?	Yes <input type="checkbox"/> No <input type="checkbox"/>	If yes, please state how many, summarise the issues raised in grievances and explain how the Company has addressed them:
Have there been any strikes or other collective disputes related to labour and working conditions at the Company in the reporting period?	Yes <input type="checkbox"/> No <input type="checkbox"/>	If yes, please summarise nature of disputes and how they were resolved

Have there been any court cases related to labour issues during the reporting period?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	If yes, please summarise the issues contested and outcome.
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## Stakeholder Engagement

How many complaints or grievances did the project receive from members of the public or civil society organisations during the reporting period? Summarise any issues raised in the complaints or grievances and explain how they were resolved:  
**There are 3 complaints from the buildings C&D grievances. Two of those grievances are regarding the replacement space and one refers to disagreement with the GDCA list.**

Please summarise meetings held with members of the public or public organisations during the report period:

**AIA held periodical meetings with the AP concerning the RAP Implementation progress. The recent meeting was in November, 2013.**

Please summarise any information provided to members of the public and other stakeholders during the report period relating to environmental, social or safety issues:

**During the meetings the AP have been provided with the RAP implementation progress update information.**

Please describe any form of engagement or support to civil society organizations (CSOs) projects and activities within the locality where the Project is located. If financial support was provided please specify the amount, name of CSO and type of activity supported.

**None**

## Status and Reporting on Resettlement Action Plan/Livelihood Restoration Framework

### Existing Land Acquisitions

Please report any further progress made during this reporting period in the implementation of the Resettlement Action Plan (RAP) or Livelihood Restoration Framework (LRF), using the monitoring indicators as detailed in the RAP or LRF, and complete the table below. Please provide the results of any other related monitoring carried out by the Company or its consultants and attach any additional information you think would be useful.

Have there been any changes in the compensation rates and entitlements agreed in the resettlement plan?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	If yes, specify what was changed, provide justification for such change and confirm agreement of affected people. Please note that standards for compensation rates, entitlements and benefits presented in the original RP cannot be lowered.
Have all the affected persons been fully compensated for their physical displacement and, if applicable, any economic losses resulting from the project?	Yes <input type="checkbox"/> No <input type="checkbox"/>	If no, specify how many compensation payments are still outstanding (in terms of number and percentage of recipients and payment amounts) and state when these payment will be made. Please provide in tabular form a list of affected people and status of compensation. <b>No loss of income or employment is expected as a result of relocation. The compensation to AP is in the form of new apartments.</b>
Has the land acquisition had any additional, unforeseen impacts on affected persons' standard of living or access to livelihoods that were not previously covered in the RAP?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	If yes, quantify these impacts and specify what measures have been undertaken to minimize and mitigate these impacts. If no, specify how potential impacts on livelihoods have been monitored..
Has there been any change in the number of affected people affected by physical displacement from housing?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	If yes, quantify these impacts and specify what measures have been undertaken to minimize and mitigate these impacts.
Has the allocation or purchase of replacement land for the resettlement site entailed any physical or economic displacement?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	If yes, quantify these impacts and specify what measures have been undertaken to minimize and mitigate these impacts. <b>Due to the general plan modification of the original resettlement land, AIA had to acquire an additional land parcel for allocating the blocks C&amp;D as well, as there was no enough space on the land with the modified general plan. This issue caused a delay in</b>

		<a href="#">the RAP implementation schedule.</a>
Has the detailed design of the new resettlement site been finalized in consultation with affected people?	Yes <input type="checkbox"/> No <input type="checkbox"/>	If yes, please attach copies drawings of final design. If no, please indicate when these will be finalized and describe plans for consultation with affected people.
Has work started on the construction of new resettlement site?	Yes <input type="checkbox"/> No <input type="checkbox"/>	If yes, please describe progress on replacement housing construction and include photos as attachments.  <a href="#">The work on the construction of the new resettlement buildings (A&amp;B, C&amp;D) started. For the buildings A&amp;B 95 % of the construction is already completed, and for the buildings C&amp;D is in process.</a>
Has actual relocation to the new resettlement site started?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	If yes, specify how many have been relocated and what assistance were provided.
Have any vulnerable groups been identified?	Yes <input type="checkbox"/> No <input type="checkbox"/>	If yes, list the groups that were identified and describe any additional measures undertaken in order to mitigate impacts specific to these groups. <a href="#">Persons with disabilities will be given special assistance.</a>
If applicable, have all transit allowances been paid?	Yes <input type="checkbox"/> No <input type="checkbox"/>	If no, specify how many payments are still outstanding (in terms of number and percentage of recipients and payment amounts) and state when these payments will be made. <a href="#">N/A</a>
Has legal support been provided to all the affected persons?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	If yes, specify how many persons effectively made use of the legal support.
Has the mechanism for operations and maintenance (O&M) of new residential site common facilities operations and maintenance been discussed and agreed with affected people?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	If yes, please describe participatory approaches for O&M of common facilities at the resettlement site.
Have all outstanding land and/or resource claims been settled?	Yes <input type="checkbox"/> No <input type="checkbox"/> <a href="#">Not applicable</a> <input checked="" type="checkbox"/>	If no, specify how many claims are still outstanding and state what the expected timing is for settling them.
Has a grievance mechanism been established and made known to affected people?	Yes <input type="checkbox"/> No <input type="checkbox"/>	If yes, indicate date grievance mechanism was established and describe arrangements for involvement of affected people and other organizations. <a href="#">The grievance mechanism has been established in parallel with the RAP, and the residents have been informed about it via the RAP summary disclosure and during the posterior meetings.</a>
Have there been any new land acquisition-related complaints or grievances?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	If yes, please state how many and summarize their content.
Has the company regularly reported to the affected communities on progress made in implementing the RAP?	Yes <input type="checkbox"/> No <input type="checkbox"/>	If yes, please state how many meetings were held and how many participants attended. <a href="#">AIA holds periodical meetings with the AP informing them about the RAP implementation progress.</a>
Has the company engaged an individual or civil society organization to assist in resettlement plan implementation?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	If yes, please describe the terms of reference of the said individual or civil society organization.
Has the company engaged an external monitoring expert as agreed in the RP?	Yes <input type="checkbox"/> No <input type="checkbox"/>	If yes, please attach external experts monitoring reports. If no, please explain why and state when the expert will be engaged.  The external monitor has been engaged.
Have there been any changes in the schedule of resettlement plan implementation?	Yes <input type="checkbox"/> No <input type="checkbox"/>	If yes, please attach revised schedule.  Please also attach detailed work plan for resettlement plan implementation for the next reporting period.  <a href="#">Construction Commencement A&amp;B - NOV 2011</a>



		C&D NOV 2012
Construction Completion date	A&B C&D	APR 2014 SEPT 2014
Landscaping and finishing works	A&B C&D	APR 2014 SEPT2014
Actual relocation	A&B C&D	APR 2014 NOV 2014
Demolition of existing buildings	A&B C&D	SEPT 2014 DEC 2014

**New Land Acquisitions**

If the company acquired any new land for the project during the reporting year, please provide documents to show closure of land acquisition transactions. Please attach new/revised RAP covering the new land acquisition and describe mitigation measures, compensation, agreements reached, etc., and provide in tabular form a list of affected people and status of compensation.

Due to the fact that in the original resettlement land parcel there were self-willed constructions that would impede the construction works, on February 28, 2011 a Resolution N 590-A was adopted whereby a new general plan was issued to be adjusted to the allocated land. The said new general plan was received by our Company on April, 2011 and the Ownership Certificate was granted to our Company on August 18, 2011. According to the new general plan, there was not enough space for relocating all four buildings, thus a GoA Resolution 1842 has been adopted, whereby an additional land parcel (0.3ha) has been given to our Company to be able to relocate the buildings C&D as well. The said land is directly adjacent to the existing 0.47 ha land.

Have any persons been physically displaced?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	If yes, how many?
Have any persons been economically displaced?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	If yes, how many?
Was it a government assisted resettlement?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	

**Community Interaction and Development**

Please summarise any social or community development initiatives undertaken by the company during the reporting period:

None