

FINAL ENVIRONMENTAL AND SOCIAL REVIEW CHECKLIST

Micro-project title: Construction of a Kindergarten in Artsvaberd Community

Micro-project #: TTV - 07

Is the Environmental and Social management plan (ESMP) developed?

Yes + No _____

Does ESMP provide a full list of potential impacts and establish adequate measures for their mitigation?

Yes + No _____

Conclusion of the Final Environmental and Social Assessment

Conclusion	
Micro-project rejected	Micro-project approved (environmental assessment completed)
	+

PART A: GENERAL PROJECT AND SITE INFORMATION

INSTITUTIONAL & ADMINISTRATIVE			
Micro-project number and title	TTV – 07 Construction of a Kindergarten in Artsvaberd Community		
Municipality, community	Tavush marz, Artsvaberd Community		
Scope of site-specific activity	<p>At present, the kindergarten of the community is situated in an old factory, which is public property. The sanitary and physical conditions of the building are insufficient. The current building does not have heating, water and sewage systems. The heating of the building is organized using wooden ovens, which is inefficient due to insufficient thermal insulation of the building. The proper windows of the building are missing, instead, polyethylene membrane are used to cover the windows. The toilets and drinking water sources are located outside of the building. The community has nearly 75 children at kindergarten age.</p> <p>Within the framework of Micro-project, a two floor building is proposed to be built adjacent to the building of Community Administrative Office and Cultural Center, at the central part of the community. The kindergarten is envisaged for three groups.</p>		
Institutional arrangements (WB)	Task Team Leader: Erkin Mamadaliev	Safeguards Specialist: Darejan Kapanadze (environmental) Sophia Georgieva (social)	
Implementation arrangements (RoA)	Implementing entity: ATDF	Works Supervisor: “ALTERNATIV” LTD	Works Contractor: “Prizma-VAN” CJSC
SITE DESCRIPTION			
Name of institution whose premises are to be rehabilitated	Educational Department of Tavush marzpetaran (regional governor office)		
Address and site location	Address: Artsvaberd Community, Tavush Marz		
Who owns the land?	The land is the property of the Community Artsvaberd. The total land plot is 2000 sq. meter. According to the legal decision of land allocation adopted on 16 Sep., 2015 Number N 17 - A the land was allocated for the construction works.		
Description of physical and natural environment around the site (see maps and photo annex 1)	<p>Community Council Made a decision to allocate 2000sq. meter land plot for the construction of a new building. The proposed land plot is located at the central part of the village and is the property of the Community. There are three buildings next to the proposed land plot: Community Administrative Office, Cultural Center building and communal house for military workers which is the property of the Ministry of Defense. The proposed land is not used by any private household; there are no structures, crops, trees or business in the proposed site. The land is surrounded by trees which are not going to be removed for construction works. One of land sides is next to the main road. As the allocated area for the construction is wide, the issue of restricted access to roads and private property and disruption of local traffic is not anticipated. Activities to enhance crossing safety through extra signs/crosswalks will be implemented.</p> <p>The village is supplied with gas. The heating system and hot water in the designed building will be provided using gas boilers fixed on the walls. The external communication systems are very close to the proposed area. The sewage system of the building will be connected to the drainage pipeline (d=200mm) located close to the land plot (nearly 30 meter). The main potable water pipelines are nearly 30 meter far from the proposed land. The main electricity distribution system is 60 meter far from the site and linear cable is proposed to be installed.</p>		
LEGISLATION			
National & local legislation & permits that	Construction of the school building is not subject to the Environmental Impact Assessment and to the issuance of the expert environmental review conclusion.		

apply to project activity	<p>According to the Armenian legislation, the following permissions are required for this micro-project:</p> <ul style="list-style-type: none"> (a) land allocation from Local Municipality; (b) construction permit; (c) permission for the disposal of construction waste, and (d) certificate of sanitary inspection <p>Operation of the building requires additional permissions certifying that technical parameters established for electric, gas, water supply and sewage appliances are met.</p>
PUBLIC CONSULTATION	
When / where the public consultation process will take /took place	Public consultation was carried out in Artsvaberd Community on 25 April, 2016.
ATTACHMENTS	
<p>Annex 1: Photos and plan of the construction site</p> <p>Annex 2: Copy of an agreement for construction waste disposal</p> <p>Annex 3: Copy of the land allocation document</p> <p>Annex 4: Copy of a Construction Permit</p> <p>Annex 5: Minutes of Environmental and Social Public Consultations</p>	

PART B: SAFEGUARDS INFORMATION

ENVIRONMENTAL /SOCIAL SCREENING			
	Activity/Issue	Status	Triggered Actions
Will the site activity include/involve any of the following?	A. Building rehabilitation	[] Yes [+] No	See Section A below
	B. New construction	[+] Yes [] No	See Section A below
	C. Individual wastewater treatment system	[] Yes [+] No	See Section B below
	D. Historic building(s) and districts	[] Yes [+] No	See Section C below
	E. Acquisition of land ¹	[] Yes [+] No	See Section D below
	F. Hazardous or toxic materials ²	[] Yes [+] No	See Section E below
	G. Impacts on forests and/or protected areas	[] Yes [+] No	See Section F below
	H. Handling / management of medical waste	[] Yes [+] No	See Section G below
	I. Traffic and Pedestrian Safety	[+] Yes [] No	See Section H below

¹ Land acquisitions includes displacement of people, change of livelihood encroachment on private property this is to land that is purchased/transferred and affects people who are living and/or squatters and/or operate a business (kiosks) on land that is being acquired.

² Toxic / hazardous material includes but is not limited to asbestos, toxic paints, noxious solvents, removal of lead paint, etc.

PART C: MITIGATION MEASURES

ACTIVITY	PARAMETER	MITIGATION MEASURES (provide costs where applicable)
0. General Conditions	Notification and Worker Safety	<ul style="list-style-type: none"> (a) The local construction and environment inspectorates and communities have been notified of upcoming activities (b) The public has been notified of the works through appropriate notification in the media and/or at publicly accessible sites (including the site of the works) (c) All legally required permits have been acquired for construction (d) The Contractor formally agrees that all work will be carried out in a safe and disciplined manner designed to minimize impacts on neighboring residents and environment. (e) Workers' PPE will comply with international good practice (always hardhats, as needed masks and safety glasses, harnesses and safety boots) (f) Appropriate signposting of the sites will inform workers of key rules and regulations to follow.
A. General Construction Activities	Air Quality	<ul style="list-style-type: none"> (a) During interior demolition debris-chutes shall be used above the first floor (b) Demolition debris shall be kept in controlled area and sprayed with water mist to reduce debris dust (c) During pneumatic drilling/wall destruction dust shall be suppressed by ongoing water spraying and/or installing dust screen enclosures at site (d) The surrounding environment (sidewalks, roads) shall be kept free of debris to minimize dust (e) There will be no open burning of construction / waste material at the site (f) There will be no excessive idling of construction vehicles at sites
	Noise	<ul style="list-style-type: none"> (a) Construction noise will be limited to restricted times agreed to in the permit (b) During operations the engine covers of generators, air compressors and other powered mechanical equipment shall be closed, and equipment placed as far away from residential areas as possible
	Water Quality	<ul style="list-style-type: none"> (a) The site will establish appropriate erosion and sediment control measures such as e.g. hay bales and / or silt fences to prevent sediment from moving off site and causing excessive turbidity in nearby streams and rivers.
	Waste Management	<ul style="list-style-type: none"> (a) Waste collection and disposal pathways and sites will be identified for all major waste types expected from demolition and construction activities. (b) Mineral construction and demolition wastes will be separated from general refuse, organic, liquid and chemical wastes by on-site sorting and stored in appropriate containers. (c) Construction waste will be collected and disposed properly by licensed collectors (d) The records of waste disposal will be maintained as proof for proper management as designed. (e) Whenever feasible the contractor will reuse and recycle appropriate and viable materials (except asbestos)
B. Individual wastewater treatment system	Water Quality	<ul style="list-style-type: none"> (a) The approach to handling sanitary wastes and wastewater from building sites must be approved by the local authorities (b) Before being discharged into receiving waters, effluents from individual wastewater systems must be treated in order to meet the minimal quality criteria set out by national guidelines on effluent quality and wastewater treatment (c) Monitoring of new wastewater systems (before/after) will be carried out (d) Construction vehicles and machinery will be washed only in designated areas where runoff will not pollute natural surface water bodies.
C. Historic building(s)	Cultural Heritage	<ul style="list-style-type: none"> (a) If the building is a designated historic structure, very close to such a structure, or located in a designated historic district, notification shall be made and approvals/permits be obtained from local authorities and all construction activities planned and carried out in line with local and national legislation. (b) It shall be ensured that provisions are put in place so that artifacts or other possible "chance finds" encountered in excavation or construction are noted and registered, responsible officials contacted, and works activities delayed or modified to account for such finds.

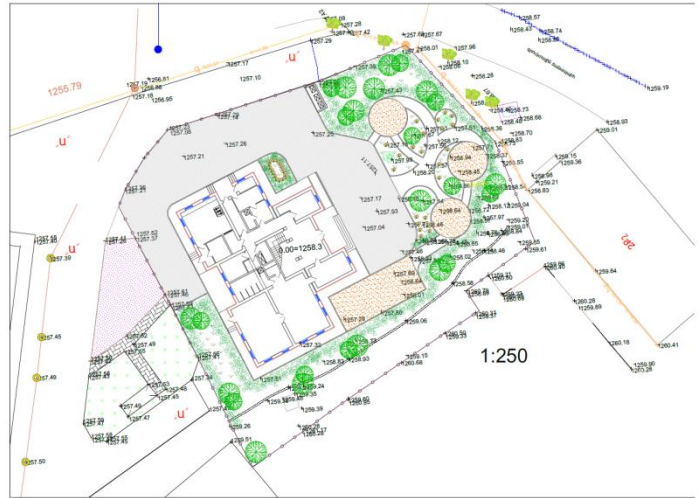
ACTIVITY	PARAMETER	MITIGATION MEASURES CHECKLIST
D. Acquisition of land	Land Acquisition Plan/Framework	(a) If expropriation of land was not expected but is required, or if loss of access to income of legal or illegal users of land was not expected but may occur, that the Bank’s Task Team Leader shall be immediately consulted. (b) The approved Land Acquisition Plan/Framework (if required by the project) will be implemented
E. Toxic Materials	Asbestos management	(a) If asbestos is located on the project site, it shall be marked clearly as hazardous material (b) When possible the asbestos will be appropriately contained and sealed to minimize exposure (c) The asbestos prior to removal (if removal is necessary) will be treated with a wetting agent to minimize asbestos dust (d) Asbestos will be handled and disposed by skilled & experienced professionals (e) If asbestos material is be stored temporarily, the wastes should be securely enclosed inside closed containments and marked appropriately. Security measures will be taken against unauthorized removal from the site. (f) The removed asbestos will not be reused
	Toxic / hazardous waste management	(a) Temporarily storage on site of all hazardous or toxic substances will be in safe containers labeled with details of composition, properties and handling information (b) The containers of hazardous substances shall be placed in an leak-proof container to prevent spillage and leaching (c) The wastes shall be transported by specially licensed carriers and disposed in a licensed facility. (d) Paints with toxic ingredients or solvents or lead-based paints will not be used
F. Affected forests, wetlands and/or protected areas	Protection	(a) All recognized natural habitats, wetlands and protected areas in the immediate vicinity of the activity will not be damaged or exploited, all staff will be strictly prohibited from hunting, foraging, logging or other damaging activities. (b) A survey and an inventory shall be made of large trees in the vicinity of the construction activity, large trees shall be marked and cordoned off with fencing, their root system protected, and any damage to the trees avoided (c) Adjacent wetlands and streams shall be protected from construction site run-off with appropriate erosion and sediment control feature to include by not limited to hay bales and silt fences (d) There will be no unlicensed borrow pits, quarries or waste dumps in adjacent areas, especially not in protected areas.
G. Disposal of medical waste	Infrastructure for medical waste management	(a) In compliance with national regulations the contractor will insure that newly constructed and/or rehabilitated health care facilities include sufficient infrastructure for medical waste handling and disposal; this includes and not limited to: <ul style="list-style-type: none"> ▪ Special facilities for segregated healthcare waste (including soiled instruments “sharps”, and human tissue or fluids) from other waste disposal; and ▪ Appropriate storage facilities for medical waste are in place; and ▪ If the activity includes facility-based treatment, appropriate disposal options are in place and operational
H Traffic and Pedestrian Safety	Direct or indirect hazards to public traffic and pedestrians by construction activities	(a) In compliance with national regulations the contractor will insure that the construction site is properly secured and construction related traffic regulated. This includes but is not limited to <ul style="list-style-type: none"> ▪ Signposting, warning signs, barriers and traffic diversions: site will be clearly visible and the public warned of all potential hazards ▪ Traffic management system and staff training, especially for site access and near-site heavy traffic. Provision of safe passages and crossings for pedestrians where construction traffic interferes. ▪ Adjustment of working hours to local traffic patterns, e.g. avoiding major transport activities during rush hours or times of livestock movement ▪ Active traffic management by trained and visible staff at the site, if required for safe and convenient passage for the public. ▪ Ensuring safe and continuous access to office facilities, shops and residences during renovation activities, if the buildings stay open for the public.

Environmental Monitoring Plan for construction and operation phases.

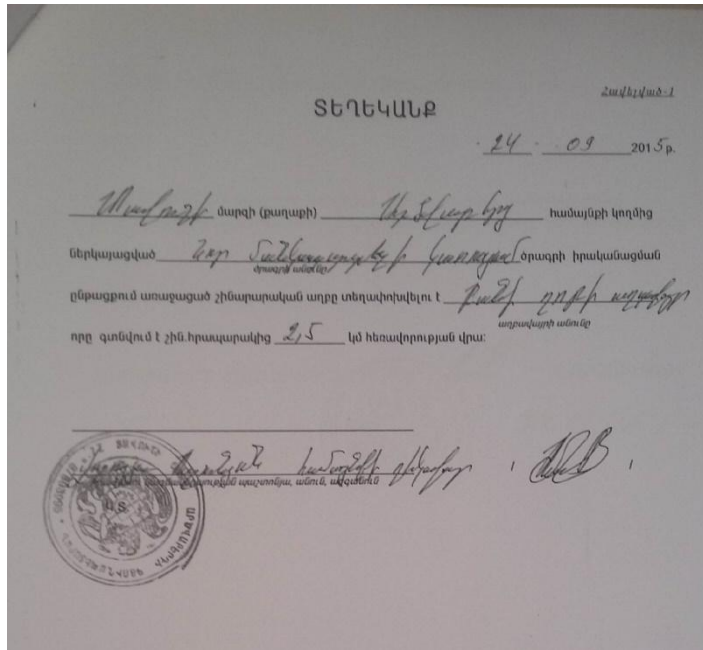
Activity	What (Is the parameter to be monitored?)	Where (Is the parameter to be monitored?)	How (Is the parameter to be monitored?)	When (Define the frequency / or continuous?)	Why (Is the parameter being monitored?)	Who (Is responsible for monitoring?)
CONSTRUCTION PHASE						
1. Supply of construction materials	Purchase of the construction materials from licensed providers	Offices and warehouses of material suppliers, and borrowing sites	Checking documents; Inspection of material quality	In the process of signing the agreements for material provision	Ensure technical quality of construction; Protect human health and environment	ATDF
2. Transportation of construction materials and waste Movement of construction equipment	Technical condition of construction vehicles and machinery; Adequacy of the loading trucks for transported types of cargo, and canopy coverage of cargo transported in open trucks; Movement of construction vehicles and machinery along pre-defined routes	Routes for transportation of construction materials and construction wastes	Inspection of roads adjacent to the construction site and included in the agreed-upon routes of transportation	Unannounced checks during the working hours	Avoid air and road pollution with dust and solid matter; Reduce traffic disruption	ATDF, Local Municipality
3. Generation of construction waste	Temporary storage of inert and hazardous wastes separately at the designated locations; Timely disposal of waste to the formally designated landfills; Hand-over of hazardous wastes to licensed deactivating and	Construction site and base (if applicable); Locations designated for waste disposal	Checking documents; Visual observation	Entire period of construction	Avoid pollution of the environment	ATDF, Local Municipality

	processing companies.					
4. Accumulation of household waste	Provision of waste containers on-site; Agreement with local municipality for regular out-transporting of waste	Construction site and base (if applicable)	Visual inspection	Entire period of construction	Avoid pollution of soil and water with household waste	ATDF, Local Municipality
5. Safety of labor	Provision of Special Clothes and protective means for the contractors; Consistency with the rules of exploitation of the construction equipment and usage of private safety means	Construction site	Inspection of the activities	Entire period of construction	Reduce the probability of accidents	ATDF
6. Undertaking works within the settlement	Deparkation and fencing of work site; No parking of construction vehicles and machinery outside work site the way impeding free passage of traffic and pedestrians; No piling and no scattering of construction materials and waste outside the work site	Construction site and nearby area	Visual inspection	Entire period of construction	Reduce disruption of movement around the work site and decrease probability of accidents	ATDF, Local Municipality
OPERATION PHASE						
1. Disposal of household waste and waste from periodic renovation of the kindergarten premises	Regular collection and disposal of household waste generated at kindergarten to the landfill serving Artsvaberd village	kindergarten premises	Inspection	Entire period of kindergarten operation	Maintain good sanitary conditions at kindergarten, Prevent environmental pollution	Local Municipality

Annex 1: Photos and plan of the construction site



Annex 2: Copy of an agreement for construction waste disposal



Non-official translation of the above attached document

Appendix 1

Decree

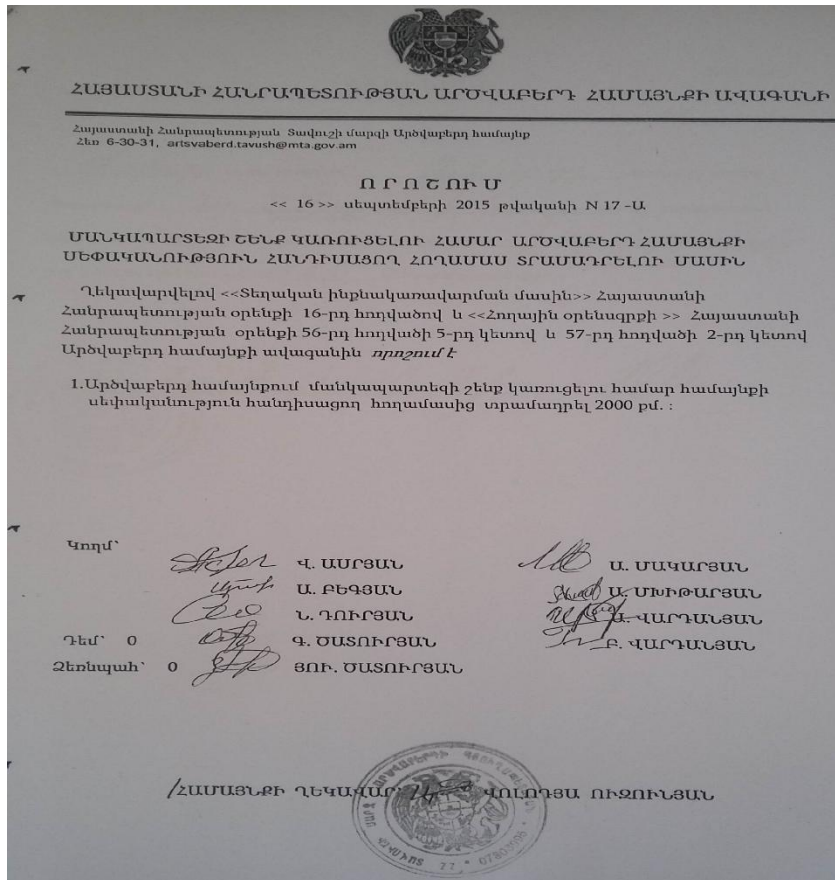
The construction waste generated during construction works of a new kindergarten building proposed by Artsvaberd Community, Tavush Marz, will be transported to the waste collection area 'Bani Khobi' which is situated 2,5 km far from the construction site.

Signed and Stamped

Head of the Community

Volodyan Uzunyan

Annex 3: Copy of the land allocation document



Non-official translation of the above attached document:

Decree

16 Sep., 2015 Number N 17 - A

On land appropriation for construction work for new kindergarten building in Artsvaberd Community

According to 16th article of law on Local Self-Government of the Republic of Armenia, as well as to the 5th point of 56th Article and 2nd point of 57th Article of Land Code, the community Council of Artsvaberd made a decision to:

1. Allocate 2000 sq. meter communal land plot for construction of new kindergarten building in Artsvaberd

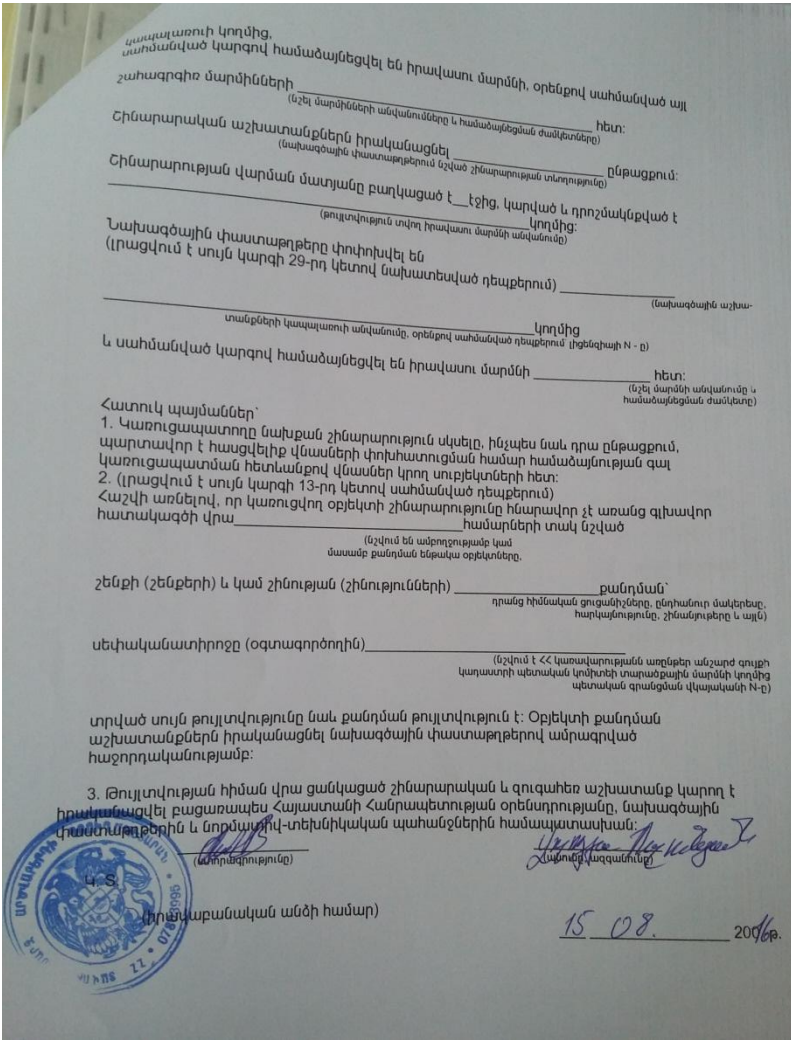
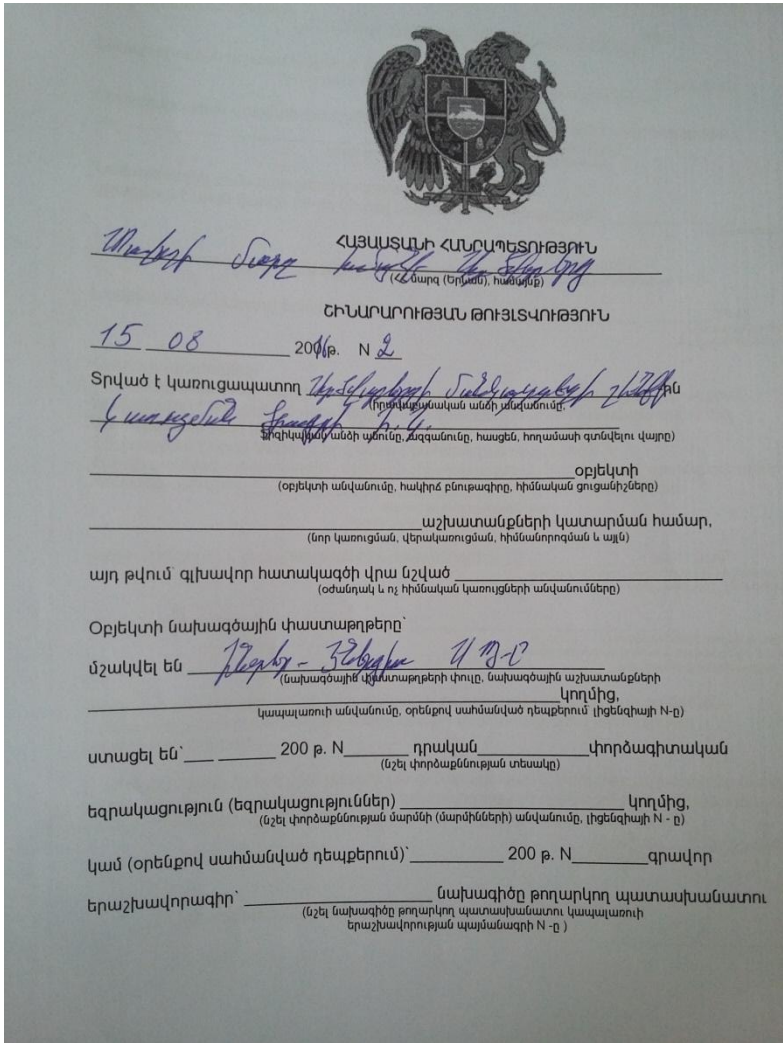
For: 5, Against 0, Abstain 0

Signed and Stamped

V. Asryan, A. Begyan, N. Duryan, G. Tsaturyan, Yu. Tsaturyan

Head of Community Volodyan Uzunyan

Annex 4: Copy of a Construction Permit



Non-official translation of the above attached document

Republic of Armenia

Tavush Region, Community Artsvaberd

Construction Permit N 2, 15.08.2016

This is given for the Construction Project of the kindergarten building in Artsvaberd Community

The design documents are developed by "Inter-Energeia" LLC

Artsvaberd Community Head

Uzunyan

Sealed/Signed

Annex 5: Minutes of Environmental and Social Public Consultations

MINUTES

Of Public Consultations on draft Environmental and Social Management Plan for the Construction of the Kindergarten Building in Artsvaberd Community

A stakeholder consultation meeting on the draft Environmental and Social Management Plan (ESMP) for the construction of the kindergarten building in Artsvaberd Community was held on April 25, 2016 in Artsvaberd community, Tavush Marz.

The announcement for the meeting in Armenian and English languages, including its date and time, was disclosed on the ATDF web page (www.atdf.am) on 20 April, 2016. Information on the meeting day and time was posted on information boards of Artsvaberd Community Administration Office; in addition the Administration conducted telephone calls to ensure participants' attendance.

The public consultation was carried out by ATDF Social Specialist Sonya Msryan and ATDF Environmental Specialist Asya Osipova. 33 participants were present at the meeting, among which 22 women (about 67%).

A. Osipova introduced the main purpose of the consultation and ATDF specialists as well as World Bank requirements and Armenian legislation on conducting environmental and social assessment. She reasoned the need to develop ESMP, specifying that the Micro-project involves construction of a new building. She outlined likely negative environmental impacts related to the Micro-project implementation. These include pollution of air, generation of construction waste and direct or indirect hazards to public traffic and pedestrians by construction activities. She also talked about waste-water management issue introducing that the sewage system of the building will be connected to the drainage pipeline located close to the land plot.

Ms. Osipova explained what measures ATDF will apply to mitigate possible negative impacts, including construction waste transportation. It was mentioned that ESMP covers the issue of the transportation and disposal of construction wastes and excessive soil.

Since the kindergarten area is not fenced and is located in the center of the Community, A. Osipova talked about safety measures for community members and workers and disturbance to community life due to construction activities. Technical supervisors on monthly basis will keep under control the fulfillment of all the environmental mitigation measures included in ESMP, and report the deviations to ATDF.

S. Msryan presented the main provisions of the ESMF concerning to the social aspects of the Project. She emphasized that the project does not involve any resettlement as proposed area of the construction is public property and land allocation document is available.

S. Msryan talked also about main socio-economic challenges including engagement of women, youth and vulnerable groups in distribution of benefits. She outlined that these groups should have equal opportunities to be engaged in project benefits.

Ms. Msryan explained mechanisms of public engagement and grievance redress mechanism (GRM) to be applied during project implementation. Elected grievance focal point at the community level Arusyak Hayrapetyan was introduced to the community members. S. Msryan explained the purpose of Focal points at local level and welcomed participants to apply to Arusyak in case of questions/feedback or grievances concerning to the project implementation.

S. Msryan informed the beneficiaries that they also have the option to contact ATDF directly to communicate their grievance if they are unable to, or do not wish to, go through the PIC grievance focal point. S. Msryan explained all the channels of grievance submission involving e-mail address, hot line telephone number, postal address and web-site link and outlined that ATDF contact information is reflected on the booklets delivered to the participants, as well as on the information desk to be posted in public visible places in the Community, including Community Administrative Office building. S. Msryan introduced that information on Micro-project details permanently will be available on the information desks, as well as on-going announcements and references. She outlined that these will support to raising public awareness and early identification, assessment and resolution of complaints on Project activities.

The participants were welcomed to raise questions regarding to the discussed questions. Following questions were raised by the participants:

Chobanyan Alina introduced that they do not anticipated accumulation of waste during operation of the new kindergarten building as one garbage truck is serving the village which is quite sufficient. Currently, the kindergarten operating at the old factory is serving 75 kids. Approximately 17-20 kids have no possibility to attend kindergarten because of limitations of the old building. As they were informed new kindergarten building will serve 90 kids involving 3 groups.

Melqumyan Arayik said that creation of job opportunities will strongly support to the Community as the majority incomes of the families are related to military works and agriculture. The latter is not income generating as agricultures has difficulties to realize their products. He outlined that especially the youth has to leave for military works partially because of the unemployment. There are also many people from the community who are protecting the borders on voluntary basis.

The Head of Community Volodyan Uzunyan introduced that the Community will strongly supervise the construction works in order to achieve high quality of works and protection of environment. He welcomed the idea to involve workers from the community ensuring that especially vulnerable groups will benefit from those opportunities. The operation of the new kindergarten building will enable to create nearly 5 more jobs in addition to the currently existing ones.

The list of participants and photos are attached.

List of Participants

Մասնակցություններ

1. Բացարձակ	Գրություն	Գրություն
2. Անգլո-սլավոն	Վարդան	Վարդան
3. Վերականգնող	Նոր Դժ	Վերականգնող
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5. Երկրորդ	Նուրբ	Վերականգնող
6. Բազմաբնույթ	Նուրբ	Վերականգնող
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Photos of Public Consultation

