FINAL ENVIRONMENTAL AND SOCIAL REVIEW CHECKLIST

Micro-project title: Construction of a gym in Harich Community

Micro-project #: TSH-04

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

<table>
<thead>
<tr>
<th>Conclusion</th>
<th>Micro-project approved (environmental assessment completed)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Micro-project rejected</td>
<td>+</td>
</tr>
</tbody>
</table>

Conclusion of the Final Environmental and Social Assessment
**PART A: GENERAL PROJECT AND SITE INFORMATION**

<table>
<thead>
<tr>
<th>INSTITUTIONAL &amp; ADMINISTRATIVE</th>
<th></th>
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</thead>
<tbody>
<tr>
<td>Micro-project number and title</td>
<td>TSH-04 Construction of a gym in Harich Community</td>
</tr>
<tr>
<td>Municipality, community</td>
<td>Shirak marz, Harich community</td>
</tr>
<tr>
<td>Scope of site-specific activity</td>
<td>The school was constructed in 1990. It is one-storied with two buildings connected by warm passage. The walls are made of stone. Basement is missing. There blind area has cracks in separate parts of the pavement. The footstall is plastered by cement solution. The cover has zinc covering fortified to steel elements. The doors and windows are made of metal based laminate, floors are made of half-granite, wood and laminate. Heating system is installed. There is a boiler-room with two boilers. Gas is installed till the boiler-room but is not turned on. A part of cast-iron batteries were disconnected from pipes and made electric water heaters. The main request of the community is to construct a gym. Construction of a gym and installation of heating system is suggested. A gym (18.3<em>9.4m) and an auxiliary building (10.4</em>9.6) will be constructed. Floors of the gym will be made of vinyl, floors of the corridor and rooms will be of ceramic and granite tiles and restrooms' floors will be made of glazed tile. A main skeleton and cover’s slab will consist of monolithic reinforced-concrete elements, a roof will be will be constructed of hip colored zinc on wooden elements. Walls will be made of stone and heat isolated from outside, faced by tufa slabs, plastered in separate parts. The socle will be made of basalt faced slabs. Cloak-rooms, rest-rooms and storage for sporting equipment, a room for installing heating boilers, corridors will be located in the auxiliary building. Basalt paving and area asphalting (516sq/m) is also envisaged under the micro-project</td>
</tr>
<tr>
<td>Institutional arrangements (WB)</td>
<td>Task Team Leader: Erkin Mamadaliev</td>
</tr>
<tr>
<td></td>
<td>Safeguards Specialist: Darejan Kapanadze</td>
</tr>
<tr>
<td>Implementation arrangements (RoA)</td>
<td>Implementing entity: ATDF</td>
</tr>
<tr>
<td></td>
<td>Works Supervisor: “DURGABSHIN” LTD</td>
</tr>
<tr>
<td></td>
<td>Works Contractor: “GOHARIK” CJSC</td>
</tr>
</tbody>
</table>

**SITE DESCRIPTION**

| Name of institution whose premises are to be rehabilitated | Educational Department of Shirak marzpetaran (regional governor office), Harich school (non-profit organization) |
| Address and site location                                 | Address: Shirak marz, Harich village, street 1.               |
| Who owns the land?                                        | The land is the property of the village Harich. The total surface is 2100 sq. meter hectares. According to the legal decision of land allocation (N19, 22.10.2015), the land was allocated for the construction of the gym. |
| Description of physical and natural environment around the site (see maps and photo annex 1) | The new gym will be built near school. The location is very convenient, no houses or agricultural lands are located near the construction site. The land plot is situated close to the existing municipal utilities: water supply main line, the sewage pipeline and the gas pipe. |

**LEGISLATION**

| National & local legislation & permits that apply to project activity | Construction of the school building is not subject to the Environmental Impact Assessment and to the issuance of the expert environmental review conclusion. According to the Armenian legislation, the following permissions are required for this micro-project: (a) land allocation from Shirak marz governor; (b) construction permit; (c) permission for the disposal of construction waste, and | Operation of the building requires additional permissions certifying that technical parameters established for electric, gas, water supply and sewage appliances are met. |

**PUBLIC CONSULTATION**
| When / where the public consultation process will take / took place | Public consultation was carried out on February 12, 2016 in Harich Community, Shirak Marz. |

<table>
<thead>
<tr>
<th>ATTACHMENTS</th>
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</thead>
<tbody>
<tr>
<td>Annex 1: Photos and plan of the construction site</td>
</tr>
<tr>
<td>Annex 2: Copy of an agreement for construction waste disposal</td>
</tr>
<tr>
<td>Annex 3: Copy of the land allocation document</td>
</tr>
<tr>
<td>Annex 4: Copy of a Construction Permit</td>
</tr>
<tr>
<td>Annex 5: Minutes of Environmental and Social Public Consultations</td>
</tr>
</tbody>
</table>
# ENVIRONMENTAL /SOCIAL SCREENING

<table>
<thead>
<tr>
<th>Activity/Issue</th>
<th>Status</th>
<th>Triggered Actions</th>
</tr>
</thead>
<tbody>
<tr>
<td>A. Building rehabilitation</td>
<td>[ ] Yes [+] No</td>
<td>See Section A below</td>
</tr>
<tr>
<td>B. New construction</td>
<td>[+] Yes [ ] No</td>
<td>See Section A below</td>
</tr>
<tr>
<td>C. Individual wastewater treatment system</td>
<td>[ ] Yes [+] No</td>
<td>See Section B below</td>
</tr>
<tr>
<td>D. Historic building(s) and districts</td>
<td>[ ] Yes [+] No</td>
<td>See Section C below</td>
</tr>
<tr>
<td>E. Acquisition of land(^1)</td>
<td>[ ] Yes [+] No</td>
<td>See Section D below</td>
</tr>
<tr>
<td>F. Hazardous or toxic materials(^2)</td>
<td>[ ] Yes [+] No</td>
<td>See Section E below</td>
</tr>
<tr>
<td>G. Impacts on forests and/or protected areas</td>
<td>[ ] Yes [+] No</td>
<td>See Section F below</td>
</tr>
<tr>
<td>H. Handling / management of medical waste</td>
<td>[ ] Yes [+] No</td>
<td>See Section G below</td>
</tr>
<tr>
<td>I. Traffic and Pedestrian Safety</td>
<td>[+] Yes [ ] No</td>
<td>See Section H below</td>
</tr>
</tbody>
</table>

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\(^1\) 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

<table>
<thead>
<tr>
<th>ACTIVITY</th>
<th>PARAMETER</th>
<th>MITIGATION MEASURES (provide costs where applicable)</th>
</tr>
</thead>
</table>
| **0. General Conditions** | Notification and Worker Safety | (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 | (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 | (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 | (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 | (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 | (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 | (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. |
<table>
<thead>
<tr>
<th>ACTIVITY</th>
<th>PARAMETER</th>
<th>MITIGATION MEASURES CHECKLIST</th>
</tr>
</thead>
</table>
| **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 |
| **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:  
- 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  
- 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.

<table>
<thead>
<tr>
<th>Activity</th>
<th>What (Is the parameter to be monitored?)</th>
<th>Where (Is the parameter to be monitored?)</th>
<th>How (Is the parameter to be monitored?)</th>
<th>When (Define the frequency or continuous?)</th>
<th>Why (Is the parameter being monitored?)</th>
<th>Who (Is responsible for monitoring?)</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>CONSTRUCTION PHASE</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
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<td></td>
</tr>
<tr>
<td>1. Supply of construction materials</td>
<td>Purchase of the construction materials</td>
<td>Offices and warehouses of material suppliers, and borrowing sites</td>
<td>Checking documents; Inspection of material quality</td>
<td>In the process of signing the agreements for material provision</td>
<td>Ensure technical quality of construction; Protect human health and environment</td>
<td>ATDF</td>
</tr>
<tr>
<td>2. Transportation of construction materials and waste</td>
<td>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</td>
<td>Routes for transportation of construction materials and construction wastes</td>
<td>Inspection of roads adjacent to the construction site and included in the agreed-upon routes of transportation</td>
<td>Unannounced checks during the working hours</td>
<td>Avoid air and road pollution with dust and solid matter; Reduce traffic disruption</td>
<td>ATDF, Municipality of the village of Harich</td>
</tr>
<tr>
<td>3. Generation of construction waste</td>
<td>Temporary storage of inert and hazardous wastes separately at the designated locations; Timely disposal of waste to the formally designated</td>
<td>Construction site and base (if applicable); Locations designated for waste disposal</td>
<td>Checking documents; Visual observation</td>
<td>Entire period of construction</td>
<td>Avoid pollution of the environment</td>
<td>ATDF, Municipality of the village of Harich</td>
</tr>
<tr>
<td>Operation Phase</td>
<td>Details</td>
<td>Inspection/Control Period</td>
<td>Measures/Outcomes</td>
<td>Responsible Party</td>
<td></td>
<td></td>
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</tr>
<tr>
<td>4. Accumulation of household waste</td>
<td>Provision of waste containers on-site; Agreement with local municipality for regular out-transporting of waste</td>
<td>Construction site and base (if applicable)</td>
<td>Entire period of construction</td>
<td>Avoid pollution of soil and water with household waste</td>
<td></td>
<td></td>
</tr>
<tr>
<td>5. Safety of labor</td>
<td>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</td>
<td>Construction site</td>
<td>Inspection of the activities</td>
<td>Entire period of construction</td>
<td>Reduce the probability of accidents</td>
<td></td>
</tr>
<tr>
<td>6. Undertaking works within the settlement</td>
<td>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</td>
<td>Construction site and nearly area</td>
<td>Visual inspection</td>
<td>Entire period of construction</td>
<td>Reduce disruption of movement around the work site and decrease probability of accidents</td>
<td></td>
</tr>
</tbody>
</table>

ATDF, Municipality of the village of Harich
<table>
<thead>
<tr>
<th></th>
<th>Disposal of household waste and waste from periodic renovation of the school premises, including the gym</th>
<th>Regular collection and disposal of household waste generated at gym to the landfill serving Harich village</th>
<th>School premises</th>
<th>Inspection</th>
<th>Entire period of school operation</th>
<th>Maintain good sanitary conditions at school, Prevent environmental pollution</th>
<th>Municipality of the village of Harich</th>
</tr>
</thead>
<tbody>
<tr>
<td>2.</td>
<td>Disposal of accumulated sewer from the school's septic reservoir</td>
<td>Regular collection and removal of collected sewer by special vehicles</td>
<td>School premises</td>
<td>Inspection</td>
<td>Entire period of school operation</td>
<td>Maintain good sanitary conditions at school, Prevent pollution of soil and water</td>
<td>Local municipality</td>
</tr>
</tbody>
</table>
Annex 1: Photos and plan of the construction site

A gym (18.3*9.4m) and an auxiliary building (10.4*9.6)  School, gym and an auxiliary building
Annex 2: Copy of an agreement for construction waste disposal

Non-official translation of the above attached document

The construction waste generated during construction of Harich gym building will be transported to the waste collection area which is situated 2 km far from the construction site.

Harich Community Head

Signed

R.Nazaretyan
Non-official translation of the above attached document:

**Decree**

22 Oct., 2015 Number 19

On land appropriation

According to the 16th part of 20th article of law on Local Self-Government of the Republic of Armenia the Community Council made a decision to:

1. Allocate 2100 sq. meter land plot starting from construction the gym in Harich;

2. The Decree enters info force upon signing.

Head of Community (signed) R.Nazaretyan
Republic of Armenia  
Shirak Region, Community Harich  
Construction Permit N 1, 18.03.2016  
This is given for the Construction Project of the School Gym building in Harich Community  
The design documents are  
1. developed by “Goghtn” LLC, license 11983  
2. received positive expertise conclusion on 25.01.2016, N 7/PP-14/V by RA “NPAP” CJSC, license 6577  
Vardadzor Community Head  
Roland Nazaretyan  
Sealed/Signed
A stakeholder consultation meeting on the draft Environmental and Social Management Plan (ESMP) for the construction of a new gym building in Harich was held on February 12, 2016 in Harich Community, Shirak 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 01 Feb, 2016. Information on the meeting day and time was posted on information boards of Harich 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. 29 participants were present at the meeting, among which 9 women (about 21%).

At the very beginning, Head of the Community Mr. Roland Nazaretyan introduced the main purpose of the consultation and ATDF specialists.

A.Osipova introduced the main purpose as well as World Bank requirements and Armenian legislation on conducting environmental and social assessment. She introduced ESMP for the construction of a gym building in Harich Community and outlined likely negative environmental impacts related to the Micro-project implementation. These include pollution of air, generation of construction waste, removal of trees and direct or indirect hazards to public traffic and pedestrians by construction activities.

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 school 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 talked about possible social risks and ways of their mitigation. She emphasized that
the project does not involve any resettlement as proposed area of the construction is public property; however she briefly introduced key features of Resettlement Policy Framework.

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 Shoghakat Poghosyan was introduced to the community members. S. Msryan explained the purpose of Focal points at local level and welcomed participants to apply to Shogakat 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 canals of grievance submition involving e-mail address, hot line telephone number, postal address and web-site link and outlined that ATDF contact information is referred on the booklets delivered to the participants, as well as on the information desk already available in public visible places in the Community. 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 raise public awareness and early identification, assessment and resolution of complaints on Project activities.

One of the participants outlined that they are very grateful for the Project, as it will support to have healthy generation; moreover, as Harich has high mountainous location, agricultural activities are difficult to organize, thus new created job opportunities will be very supportive for the community.

The Head of Community Mr. Nazaretyan highlighted, that all community members are very happy with the project. He also stressed that the proposed area for construction is very convenient as it is located at the central part of the community, simultaneous, surrounding households are located far from the site, thus disturbance of their daily activities is not anticipated.

The participants were welcomed to raise questions regarding to the discussed questions. No questions were raised by the participants.

The list of participants and photos are attached
List of Participants

3. Jang Sang
4. Min Young
5. Kwon Young
6. Park Young
7. Kim Young
8. Kang Young
9. Lee Young
10. Moon Young
11. Cho Young
12. Chang Young
13. Hwang Young
14. Ha Young
15. Park Young
16. Park Young
17. Kim Young
18. Lee Young
19. Kim Young
20. Park Young
21. Kim Young
22. Lee Young
23. Hwang Young
24. Kang Young
25. Lee Young
26. Kim Young
27. Lee Young
28. Park Young
29. Kang Young
Photos of Public Consultation