

Safeguards Monitoring Report

Final Report
May 2018

Regional: Greater Mekong Subregion: Livelihood
Support for Corridor Towns
- Lao PDR Component

NOTE

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**Greater Mekong Sub region: Livelihood Support for
Corridor Towns Project (ADB/JFPR No. G. 9173)**

SAVAN NIGHT MARKET IMPROVEMENT PROJECT

Second Final Environmental Safeguard Monitoring Report

January to May 2018

Prepared by: The Project Safeguard Team

May, 2018

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List of Acronyms

ADB	:	Asian Development Bank
CSS	:	Construction Supervision Services
CEMMP	:	Contractor's Environmental Management and Monitoring Plan
DED	:	Detailed Engineering Design
DoNRE	:	District Office of National Resources and Environment
JFPR	:	Japan Fund for Poverty Reduction
LFNC	:	Lao Front for National Construction
LPDR	:	Lao People's Democratic Republic
M&E	:	Monitoring & Evaluation
MFI	:	Microfinance Institute
MMC	:	market Management Committee
MOA	:	Memorandum of Agreement
MVA	:	Market vendors Association
NM	:	Night Market
NMV	:	Night Market Vendor
PMU	:	Project Management Unit
PONRE	:	Provincial Department of Natural Resources and Environment
PPWT	:	Provincial Public Works and Transport
SED	:	Social and Environment Department
SSG	:	Social Safeguards
TNA	:	Training Needs Assessment
VRC	:	Village Redress Committee

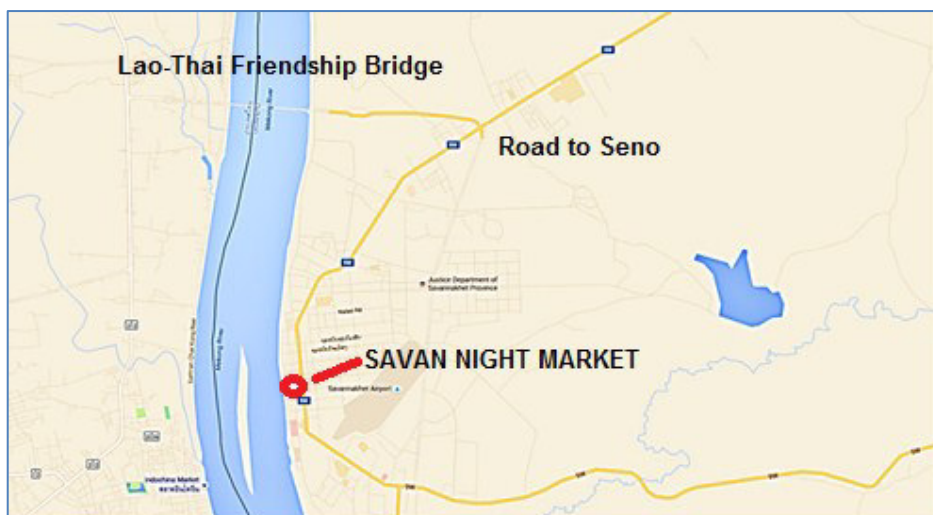
I. INTRODUCTION

1.1 Background

1. On 26 April 2016 the contract between GMS Livelihood Support for Corridor Towns “**Savan Night Market Improvement project**” and the Lao ASIE Consultants Group has been co-signed. The project is supported by the Japan Fund for Poverty Reduction (JFPR) Grant No. 9173 Lao PDR to the Ministry of Public Works and Transport, Savannakhet Provincial Department of Road (as the project owner) of this Project.
2. Kaysone Phomvihane District is the biggest District and is the Capital City of Savannakhet Province with the population of 84,000 people (2015 statistic). Savannakhet Province is one of the 3 lowest incomes of towns peoples Districts in the region including Savannakhet in Lao PDR, Phatarbonge District and Dongha in Vietnam. As being the central city of the transportation routes of Vietnam, Lao PDR and Thailand. However, the majority of the population (43%) is still living under the National poverty line (240,000 LAK or about USD 30 per capita) and even lower than the National average (34%).
3. The main aims of the project are to rehabilitate the existing infrastructure and improve market facility to increase livelihood development supports to the local community. Especially the small traders and roadside sellers, which having limited resources and very less chance for the development.
4. The project has implementing its activities for about six months, started from 13 November 2017 to the date of 13 April 2018(it construction contract), which was the date for handing over the improved Savan Night Market by the contractor to the project owner witnessed by EA representatives from the Ministry of Public Works and Transport.

1.2 Project Description

5. The project site is an existing Savan Night Market located in front of the Catholic Church at Xayaphoum Village, Kaysone Phomvihane District Savannakhet Province. The place is usually provided food, soft drinking and sweets for sale mostly during the night and even late night (10h.30pm) in town. However, the market is having very poor facilities and services for the customers including electricity, water supply, toilets and other necessary structures.
6. The project rehabilitation includes the following components :
 - 1) Construction of Market Management Office (Market Office & Ware House under the supervision of the Environmental Social Division (ESD) of DONRE/PONRE, and construction supervising on Night Market yards.
 - 2) Improve/rehabilitate of Night Market stalls sites and yards, and arranges new member's vendors.
 - 3) Rehabilitate of toilets, water supply and drainage system for waste water from the Night Market including temporary storage tank of water use by workers in temporary camp.

Figure 1: Project Location

1.3 Purposes of the Report

Final Environmental Safeguard Monitoring Report presents the results of the regular field monitoring activities conducted by project site supervision during the construction of the NM starting from period of to 13 November 2017 to 10 April 2018.

7. The main purposes of this environmental safeguard monitoring report is (i) to inform the progress of the implementation of Environmental Management Plan (EMP) as well its compliance status and mitigations measures taken to mitigate or minimize adverse environmental impacts. (ii) to comply with ADB requirements.

1.4 Report Preparation

8. The report was prepared by Senior Environmental safeguard officer of the Lao-ASIE Consultant Group, the contractor for the project. The report is based on the compilation of the results of weekly field safeguard monitoring reports and the results of periodic safeguard monitoring team from Lao-ASIE Consultant Group conducted in field 1 time per week as well as, this activity is paralleling with CS team. This report (Environmental Monitoring Report) has been further reviewed by senior Environmental and Social Specialist of Lao-ASIE Consultants Group prior to submission to ADB.

II. PROJECT PROGRESS

Project implementation progress

9. Consultant staffing

Lao-ASIE Consultant Group (Contractor's Consultant) assigned a Team of 3 Engineers to be based at project site. The staff are mandated for technical and safeguards monitoring on regular basis and for immediate reporting in case of facing outstanding issues to be solved.

10. Final Project Progress in the period of 5 months

(13 Nov 2017 to 10 April 2018) can be summarized as follows

➤ **Project Management**

- Conducted regular monthly meeting between the consultant team and the contractor to ensure that the work has been done properly and systematically monitoring and reporting to the project.
- Assist contractor to organize the monthly progress review and issues solution by the contractor,
- Advise and monitor traffic sign installation, Barrier sign board, MMC Office, Wall waterfall, new yard of NM pavement, electricity installation, new stalls, food carriages, toilettes, drainage system, new water supply system, traffics sign boards, NM banners fences label in the construction site and others facilities.
- Need training for NMV/NMG,MFI/MMC staffs. Overall, NM construction scheme is completed.

➤ **Quality Management**

- Regular guidance on quality control of the works done by contractor.
- Produced field instruction forms for monitoring
- Quality checking and controlling.

➤ **Monitoring**

- Daily monitoring of the plan implementation
- Attending weekly stakeholders (project owner/PMU, contractor and the consultant) join inspection and monitoring the implementation
- Prepared and submitted safeguard monitoring results.
- Participated in Final inspection Mission upon project construction completion on 10April 2018 (Construction phase)

i. Contractor's performance (as of 10 April 2018)

➤ **MMC Office building and storage facilities**

- 100% completion of office building, warehouse, concrete floor and sidewalk

➤ **Food and drink Market facilities**

- 100% completion of stalls installation,
- 100% completion of wall waterfall
- The Financial payment depend of the CS construction
 - **Work done by the contractor on the 10 April is shown in the table below.**

Table 1: period of construction phase 13 November 2017 – 10 April 2018

Description	Plan		Actual operation		Compared of the plan
	(LAK)	%	(LAK)	%	
Savan Night Market Construction					
	2,343,256,107.50	100	2,575,436,542.50	109.91	9.91
Total	2,343,256,107.50	100	2,575,436,542.50	109.91	9.91

The construction works have been completed on 10 April 2018, It is observed the contractor is covering for construct activities on dated proposed by 109.91 % of plan issued. Overall, the construction is exceeding of 9.01 % from plan; caused there are some variation order of the construction. The handover ceremony of the night market was 16 May 2018.

III. STATUS OF EMP IMPLEMENTATION

The approved EMP for Savan Night Market is presented in the table 2 below. The design phase is complete, and construction works started in October 2017 and is now 100% complete. As a Category B subproject with no significant adverse impacts, there are no significant mitigation measures in place. The contractor followed the provisions of the EMP, with particular emphasis on the following:

- Construction activities was scheduled in the day time to minimize disturbance to residence caused by noise or vibration;
- Waste oil and other wastes were strictly controlled to avoid pollution surface or ground water;
- The septic tank was provided and wastewater from septic tank facility in the workers' camp was properly maintained.
- Maintenance work on vehicles was carried out in the garage area, with provision for any spill of oils/fuels;
- Trucks were routinely cleaned to minimize off-site spillage of soils;
- Equipment was monitored to ensure it is maintained to reduce noise levels; and
- Contractor displayed good adherence to health and safety practices, with clear signage around the site and safety equipment and clothing always on hand for workers and visitors.
- Agreement with Electricite' du Laos (EDL), Savannakhet Branch to execute the removal or relocation of electricity works.

However, although environmental issues and concerns such as waste management, workers' camp management and community health and safety identified in the previous environmental monitoring report were addressed and that construction practices were improved and generally met Environmental Management Plan's requirements, with the market now in operation phase, the following issues were identified during this reporting period and during handover inspection and the corrective actions highlighted in *italic* below were agreed/proposed and to be taken:

- No garbage bins are provided at the stalls and solid waste such as empty plastic bottles, used tissues and food waste was found on the grounds surrounding the dining tables. The Mission advised that this unsanitary situation should be improved. The EA agreed to instruct all vendors to provide garbage bins at their stalls and each vendor brings all waste, packed in plastic bags, to the collection facility at the church square and the end of each day.
- An agreement on waste collection and disposal has not been reached and signed between the MMC and district waste collection service provider. DG, MPWT DHUP instructed the PMU to consider arrangements with UDAA in finalizing the MMC business plan.
- All electrical plug socket boxes were unsafe and potentially hazardous as they were installed too low to the ground, being in easy reach by children. When plugged, the entrance to the socket box is exposed, leaving it particularly unsafe during the rain. The Contractor agreed to improve the socket boxes by making holes in both sides of the boxes to accommodate electrical plugs and permitting socket boxes to be remain closed and locked during day time. The adjustment will be completed by 25 May 2018.
- Water Supply and Wastewater Treatment. The market has only two central water taps without individual supply to each stall. Due to previous experience with informal vending in the town square, dish washing is not permitted, with each stall holder bringing a limited amount of water from the central water taps for minor cleaning

only. The current practice is unhygienic and poses a potential public health concern. The EA advised that since very limited wastewater was intended to be generated, no drainage and wastewater treatment system was provided. The EA proposed that one big moveable wastewater collection tank be provided, will all stall holders instructed to transfer their wastewater to this tank, from which wastewater will be further discharged in the central urban drainage system on a daily basis. The Mission advised that close monitoring should be conducted and MMC develop a system to ensure responsibility over management of the wastewater tank.

- Some vendors did not use gloves when handling food, possibly due to limited awareness of food safety and hygiene and therefore, the training on food safety and hygiene should be expedited and it should not only be a one-time training but should be provided at regular intervals. The EA advised that the first food safety and hygiene training will be conducted in July 2018.

Table 2: Project EMP

Project phase	Project activities	Potential Environmental Impacts	Proposed mitigation Measure	Location	Estimated cost	Institutional Responsibilities	
						Implement	Supervise
Pre-construction	Detail designs	1. Ineffectiveness of service of completed works due to inadequate consideration during design of (any one or combination of) the following: - Climate change; - Vulnerability to other natural hazards; - Relevant feedback from stakeholders.	1. Design to incorporate relevant issues, concerns, and experience of local stakeholders pertaining to the Project area's coping with climate change events, as raised during consultations.	Not applicable	Design cost	Design consultant	PMU/ADB
		Damage to existing structures	The design should maximize benefits or avoid/minimize impacts on assets.	Not applicable	Design cost	Design consultant	PMU/ADB
	Obtaining approval	Overall environmental concerns/impacts of the Project.	IEE submitted to EA/IA for approval and endorsement to ADB. IEE submitted to DoNRE for Approval.	Not applicable	Project cost	PMU	-
	Consultation/ Disclosure, & community engagement	Community grievances	Pre-construction consultation with affected people, including dissemination of project level Grievance Redress Mechanism (GRM).	Construction site	USD 10,000	PMU	ADB
	UXO survey, & removal	Injured worker or public	Obtain the appropriate GoL certification on UXO (certificate of UXO clearance or no UXO clearance needed)	Construction site	Project cost	PMU	GoL
		Engagement of environmentally-irresponsible contractors for civil works.	EMP included as part of bidding documents. EMP to be appended to the contract for basis for compliance. Contract to require contractor's submission of monthly EM Report.	Not applicable	Project cost	PMU	ADB
Construction	Initiate Contractor's EMP	Prevent and minimize impacts	Contractor to submit Contractor's Environmental Management Plan (CEMP) for approval, addressing at a minimum the bid document EMP.	Construction site	Construction running cost	Contractor	PMU /DoNRE

	Baseline monitoring	Establish baseline to monitor against	Establish noise baseline as recommended in monitoring plan Establish water quality baseline as recommend in monitoring plan	Construction site	Construction running cost	Contractor	PMU /DoNRE
	Consultation/ Disclosure, & community engagement	Community grievances	Ongoing consultations and management of Grievance Redress Mechanism (GRM).	Construction site	Project management cost	PMU/GPP	ADB
	site clearing, hauling of construction materials	Physical/chemical environment Dust/suspended particles generation from - Earthworks - Stockpile of fine aggregates, sand, cement - Transport of aggregates, cement for disposal, and wastes - Movements of construction vehicles/equipment	Strictly implement dust control measures such as periodical water spray. The contractor shall maintain construction equipment in adequate working condition. The driver of construction vehicles must comply with speed limits to minimize road dust. Prepare and strictly implement a traffic management plan around construction site.	In construction site	Construction running cost	Contractor	PMU /DoNRE
		Noise/ vibration	Schedule construction activities to minimize disturbances: Avoid construction in the evening when the market is open (17:00-22:00) Prohibit construction in the night (10:00 pm–6:00 am) to avoid disturbance to residences. Select quiet equipment and working methods as much as possible. Provide prior notification to the local community on schedule of construction activities. Implement noise monitoring as recommended in monitoring plan.	In construction site	Construction mobilization cost	Contractor	PMU/ DoNRE

		Water pollution and management of storm water and wastewater	<p>Strictly control waste oil and other waste. Wastewater from workers must be collected and treated before being discharged into the environment. The wastewater septic tank facility in the workers' camp shall be properly maintained.</p> <p>Waste water produced must be collected, separating oil and solid matters before being discharged into the environment</p> <p>Regular cleaning up the site, limiting contaminants dissolved in rainwater.</p> <p>Implement water quality monitoring as recommended in monitoring plan.</p>	In construction site	Construction mobilization cost	Contractor	PMU/DoNRE
		Soil pollution	<p>Diesel and waste oil shall be handled and stored carefully to prevent leakages or spills. Waste oil shall be collected and stored in drums, and disposed of at a site approved by the local authority, and raised off the ground, and covered to keep rain out and surrounded by a bund to contain spills and simplify cleanup operations.</p>	In construction site	Construction mobilization cost	Contractor	PMU/DoNRE
		Wastes	<p>Prepare and strictly implement a proper waste management plan.</p> <p>The waste management plan should be approved by the local authority in advance of construction works.</p> <p>The contractor shall provide such as portable toilets and garbage bins to ensure that domestic wastes generated by construction personnel are well managed.</p> <p>Office building for the contractor shall be provided with toilets and septic tanks to handle domestic sewage temporary sanitation facilities</p>	In construction site	Construction mobilization cost	Contractor	PMU/DoNRE
	Traffic management	Traffic nuisance	<p>Plan construction-related activities to reduce impacts on businesses to the extent possible. For example construction machinery and site works related equipment to avoid blocking access to the Market as well as shops in the evening.</p> <p>Schedule construction vehicle activity during</p>	In construction site	Construction mobilization cost	Contractor	PMU/DoNRE

	Traffic management	Traffic nuisance	<p>Plan construction-related activities to reduce impacts on businesses to the extent possible. For example construction machinery and site works related equipment to avoid blocking access to the Market as well as shops in the evening.</p> <p>Schedule construction vehicle activity during light traffic periods.</p> <p>Create adequate traffic detours, and sufficient signage & warning lights.</p> <p>Enforce speed limits, and create dedicated construction vehicle roads or lanes.</p> <p>Inform community of location of construction traffic areas, and provide them with directions.</p> <p>Establish pedestrian crossings away from construction areas.</p>	In construction site	Construction mobilization cost	Contractor	PMU/DoNRE
	Utility disruption management	Loss or disruption of utilities such as water supply and electricity	<p>Establish agreement with Electricite' Du Lao (EDL), Savannakhet Branch to execute the removal or relocation of electricity works.</p> <p>Develop carefully a plan of days and locations where outages in utilities and services will occur, or are expected.</p> <p>Contact local utilities and services with schedule, and identify possible contingency back-up plans for outages.</p> <p>Contact affected community to inform them of planned outages.</p> <p>Try to schedule all outages during low use time.</p>	In construction site	Construction mobilization cost	Contractor	PMU/DoNRE
		Management of health safety and sanitation, protection from fire and explosion	<p>The contractor shall establish Health and Safety Management Plan and comply with it during implementation to provide safe working conditions.</p> <p>Site selection for construction camps for workers</p> <p>Installation of water supply pipelines, sewerage systems, solid waste management, and storm water drainage</p> <p>Selection of toilet facilities for camps</p>	In construction site	Construction mobilization cost	Contractor	PMU/DoNRE

Operation	Daily operation	Solid waste	Prepare and strictly implement a proper waste management plan. The waste management plan should be approved by the local authority in advance of market operation.	The market site	-	Vendors /MMC	UDAA
		Noise	Market operations will generate noise. Noise level monitoring should be conducted to meet national standards. 13.2 In case the noise level is higher than the standard limit, find ways in consultation with relevant stakeholders to minimize such issues.	The market site	-	Vendors /MMC	UDAA /DoNRE

a. Roles and Responsibility for EMP and Monitoring Implementation

11. In the Pre-Construction and Construction phase the project has assigned the site supervision consultant who is dealing with both daily Engineering supervision and on-site environmental monitoring. His responsibility is monthly report to in charge persons at Contractors' Consultant office, which is "Lao-ASIE Consultant Group". The safeguard officer at the Lao-ASIE Consultant Group having the roles and responsibility to compile all monthly monitoring report for reporting of environmental safeguard monitoring report and the senior Environmental Safeguard Specialist of the Lao-ASIE Consultant Group will review the report prior for submission to ADB.
12. In case of an Emergencies such as accident or incidents cases the site supervision must immediately take action for solution and report to Contractor and safeguard officers at the Contractor's Consultant for further support and solutions.
13. The site supervision consultant is holding Engineering supervision as the main roles, and he has been assigned as onsite safeguard monitoring as an additional assignment. The field safeguard monitoring forms has been provided and used with sufficient training by the safeguard officer of Lao-ASIE Consultant Group.
14. The ESMP for the operation phase will be conducted by the project owner (MMC/UDAA/DoNRE) for sustainable operation of the market facilities.

Table 3: Roles and Responsibilities of the in charge persons

Greater Mekong Subregion: Livelihood Support for Corridor Towns Project									
Work Schedule for 2017-2018 (Svan Nigh Market)									
No.	Activity	Actor	Name of Person	Year-2017		Year-2018			Remarks
				Nov	Dec	Jan	Feb	Mar	
1	Review of Work Schedule and Organization (review of civil work construction's work schedule and plan for equipment, materials, manpower, methods used, and compliance with EMP and GAP measures)	LAC	Mr. Bounpasong Sinhavong :						Structure /Civil Engineer
1.1	Environmental Safeguard Monitoring Planning	LAC	Mr. Chanthip, Mr. Phanthong						Safeguard Monitoring officer Environmental Specialist
2	Supervision and Monitoring (checking and measuring the quality of completed and ongoing works, monitoring progress, compliance with environmental measures, worker health and safety payments and financial management, monthly and mid-term progress reports)	LAC	Mr. Thongkhao Koulabsavanh						Civil Engineer
2.1	Daily on site supervision, progress monitoring and reporting to support monthly progress reporting	LAC	Mr. Chormua Tongxeng						Site supervision Consultant
	On site supervision and management, monitoring and reporting to contractor	Nalux	Mr. Pay						Contractor's site supervision
2.2	Environmental Safeguard Monitoring and Reporting	LAC	Mr. Chanthip, Mr. Phanthong						Safeguard Monitoring officer Environmental Specialist
3	Certification and Completion Report (final inspection and "handing over" certificate, interim and final completion reports)	LAC		The interim completion report will be submitted within four weeks of completion of works. The final completion report will be submitted at the end of the defects liability period (see below).					
4	AFD/ANO Procurement of Access Track (Batch-3)	SARI	PAFO/DAFO/NPCO /AFD						
5	Defects Liability Inspection and Training (inspection of project works and assist in training of project beneficiaries)	LAC		The defects liability period will cover 12 months after completion of project works unless otherwise specified in the contract.					

b. EMP implementation

15. The Environment Management Plan above had been implemented by sub-contractor under supervision of the site supervision from 3 consultants of Lao ASIE Consultant and one of the Contractor's site management officers. The construction works is in a good progress without any serious issues in regards to adverse impacts to the local community.

c. Environmental Management and Monitoring Record and Reporting

16. Since the physical project activities have been started in the middle of November 2017, the line agency reporting has been done by the site supervision, which is based on site for both engineering and safeguards issues to concerned Engineers and safeguard officer at the Contractor's Consultant office in Vientiane. The written records, photos and necessary reporting material have been collected till Mid April 2018(16 May 2018) to support this Final environmental safeguard monitoring report.

d. EMP and Monitoring Implementation Progress

Table 4: EMP and its Compliance status

EMMP Requirement	Compliance Status (Yes, No, Partial)	Comment or reasons for Non-Compliance	Issues for further action
CONSTRUCTION PHASE			
Prevent and minimize impacts	Yes	Has been completed	To be organized by DONRE and DPWT
Environmental baseline on Noise and water quality	Yes	has been completed	To be organized by DONRE and DPWT and Village Organization
Community grievances	Yes	completed by meeting and training between PMU, MMC and MVA, to be solve if occurred by	In case there are follow Grievance Redress Mechanism
Physical/chemical environment dust/suspended particles generation from - Earthworks - Stockpile of fine aggregates, sand, cement - Transport of aggregates, cement for disposal, and wastes - Movements of construction vehicles/equipment	Yes	It is completed Grievance Redress Mechanism	PMU, DPWT, and DONRE including village organization
Noise/ vibration	Yes	completed	
And Water pollution and management of storm water and wastewater	Yes, 100 % constructed	Has been completed revise on 3-4 April 18, by construction company and Env& S of consultants, PMU and Kaysone Phomvihane District	Shall follow of these activities in order to avoid catastrophes to E&S., and organize by DONRE and DPWT office and Xayyaphoum Village organization

EMMP Requirement	Compliance Status (Yes, No, Partial)	Comment or reasons for Non-Compliance	Issues for further action
Soil pollution	Yes, but not significant impact because, it is a small scale construction	it is completed 100%	The DONRE and DPWT office and Xayyaphoum Village organization shall follow it
Wastes	Yes	Yes, has been prepared of the garbs bucks. Organized by PMU and Xayyaphoum Village organization	Organize by DONRE and DPWT office
Traffic nuisance	Yes	100% has been completed as good managed	
Loss or disruption of utilities such as water supply and electricity	Yes	100% completed, installation	Monthly payment for the fee from Contractor
Management of health safety and sanitation, protection from fire and explosion	Yes	Has been completed of all	
Emergency Responses	Yes	Has been prepared	
OPERATION PHASE			
Solid waste	PMU/MMC, DONRE, District and MVA-NMG/ Night Market Vendors group NMVG organizations will arrange meeting on 10 May 2018. The meeting will suggest of the solid waste control and deposit it, and used water how to arrange it in order to avoid hamper to social which living around market as stingiest smell in future.		
Noise	The DONRE and DPWT/PMU/MMC/NMVG office and Xayyaphoum Village organizations shall follow and arrange on 10 May 2018, in order to avoid noisy hampering to social and peoples are living around of NM.		

e. Public Consultation and Information Disclosure during construction phase

- Conducted daily meeting for the consultation team for daily activity update and plan for the next step,
- Conducted join 3 parties (Project owner, Consultant and Contractor) weekly monitoring the progress of works

- Monthly Meeting of the 3 parties (Project owner, Consultant and Contractor) for works monitoring, status and next steps plan

IV. CONCLUSION AND RECOMMENDATIONS

b. Compliance with ESMP Requirement

In general, the project is in advance performance regarding EMP compliance due to the project has been well prepared in regards to EMP implementation. In addition, the nature of the project activities is improvement of existing facilities, no heavy machines are necessary. Therefore, project adverse impacts to locality is less and manageable.

c. Corrective Actions

Continuous inspection of the site Supervision Engineer is necessary for quality control as well as to conduct regular monitoring purposes on operation phase.

d. Recommendations

Regular join inspection and on time resolution problems for project activities between project owner PMU, MFI, MMC/MVA, the consultant of MVA is crucial important and necessary to continue to ensure quality of the works.

In parallel. Safeguard monitoring needs to continue and strictly monitoring and serious reporting.

The project owner are suggested to continue the market running monitoring, TNA/MMC management during the next operation phase to be consistent with the provided ESMP, provide corrective actions and advise to the market vendors group(MVG) especially, to keep market clean from improper solid waste disposal and interruptions of the noise to the surrounding community.

Appendix 1.1: Overall plan of the Contractor

Item	Description	November/2017				December/2017				January/2018				February/2018				March/2018				April/2018			
		W1	W2	W3	W4	W1	W2	W3	W4	W1	W2	W3	W4	W1	W2	W3	W4	W1	W2	W3	W4	W1	W2	W3	W4
I	Landscape Works																								
1	Remove																								
2	Concrete Work																								
	Electric Work for Landscap																								
3	Water fall Work & Electric																								
5	Drainage & Water supply Work																								
6	Furniture Work																								
II	Office Building																								
1	Earth Work																								
2	Concrete Work																								
3	Masonry & Plastering Work																								
4	Door & Window Work																								
5	Roof & Ceiling Work																								
6	Painting Work																								
7	Electric Work																								
8	Water Supply Work																								
9	Furniture Work																								
	Accomplishment of Work (Percentage)			0%				35%				65%				100%									
	Payment Planing			Star works 14/11/2017								Second Payment Planing 60%				Last Payment Planing 95%									13/4/2018 Expiration date of contract agreement



Appendix 1.2: Plan for activities implementation in March 2018

Schedule Works for March 2018																																		
Item	Discription	March.2018																																
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31		
I	Landscape																																	
2	Landscape work (Complete)																																	
3	Electrict Landscap work								Complete																									
4	Water fall																				Complete													
II	Building Office																																	
1	Reinforce work for structure(Complete)																																	
2	Plastering work (Complete)																																	
3	Roof work																										Complete							
4	Ceiling work																																Complete	
5	Ceramic floor tile																																Complete	
6	Electrict work																																Complete	
7	Install Panel door and window work																																Complete	
8	Painting work																																Complete	
9	Funiture																																Complete	

Appendix 2: ESMP Monitoring Checklist conducted by site supervision Consultant

Lao People's Democratic Republic
Greater Mekong Subregion: Livelihood Support for Corridor Towns Project
ESMP COMPLIANCE MONITORING
CHECKLIST
(Construction)

Project:	Savan Night Market Improvement	Date: 13 April 18
Location:	Kaysone Phomvihane District SVK	
Name of Contractor	Nalux Construction Co., Ltd	Contact person: Mr. Bountang Vannolath

	Name, designation	Contact information:
Monitoring TL:	Mr. Chanthip Latsavanh, Vice-CEO of Lao ASIE (PM of the CS)	1) Check work implementation for each month on the environment and social safe guard progress report and supervise final construction phase and planned for operation phase with PMU consultants
Monitoring team members	Ms. Thipphavan Phetlemsin, Safeguard Officer	2) Visit and evaluate of the work implementation as ESMP 3 times for month
	Mr. Chormua , site supervision Engineer	3) Cs engineer site supervision as LAC permanent staffs until the project hand-over

Persons Met during the monitoring in Aril 2018:

Name: Mr. Nalong Soulinavongsa and Mr. Phomma (PMU), FMI Representatives (Mrs. Budsady and Mme Souchay), NMV (Mrs Vanh and FMI members) of NMVA as new vendors has been organized of meeting and training need for NM operation phase association and Mr. Pay as Constructor management on NM site (Construction company).	Contact Information 1. Public consultation for the stages/procedure of the construction site with PMU, CS, ESMP consultants for the New MMC and NMV association in order to prepare of operation phase in further.

Potential Impacts	ESMP Mitigation Measures	Observed Compliance with EMP, CESMP or other Mitigation Measures
Air Quality Minor air quality impacts from construction vehicles along NM yard and drainage of water used around market . <ul style="list-style-type: none"> Dust from construction operations Vehicle emissions 	<ul style="list-style-type: none"> Construction vehicles to meet Euro 2 emission standards, or better. Contractors to control dust during construction through regular watering of exposed areas; Cover all trucks carrying dispersible materials to or from the site; Ensure all construction vehicles and equipment are well-maintained Disallow diesel engine idling for prolonged periods (>15 minutes) in residential areas. 	<ul style="list-style-type: none"> Contractor is using hired private truck for specific activities in some occasion only. Therefore, CO2 emission from project activity is in the minimum level. No heavy machine is regularly used excepted Cement mixer. Overall observation see the ESMP is being complied with
Noise <ul style="list-style-type: none"> Nuisance noise from equipment and vehicles accessing the site. 	<ul style="list-style-type: none"> Ensure all construction vehicles and equipment are well-maintained Avoid use of air brakes and loud horns in populated areas No construction between 19:00 and 06:00 near (minimum 0.5 Km) residential, hospital, or other sensitive areas. 	The ESMP is being complied with

<p>Water resources and quality</p> <ul style="list-style-type: none"> • Minor amounts needed for construction and dust control acquired from village sources could cause local shortages in dry season. • Minor increase in wastewater from construction camps, including petroleum/chemical pollution. • Contamination of surface and groundwater 	<ul style="list-style-type: none"> • Contractors to acquire water from available nearby surface water sources as approved by local authorities. • Contractors to manage wastewater discharges at construction camps. Siting camps so as to avoid impacts to surface and groundwater. • Monitor surface and groundwater quality at or near camps, and in canals and NM yard as discussed in the EMP. • Use temporary diversion drains & bunds, temporary silt traps and ponds to prevent contamination of surface water. <p>Stockpile spoils in flat areas away from drainage routes.</p>	<ul style="list-style-type: none"> • Contractor is using public water supply system by paying regular fees to the Government. • Construction camp is temporary settled on site with existing waste water discharge system, toilets, etc. • Overall observation see the ESMP is being complied with
<p>Solid wastes</p> <ul style="list-style-type: none"> • Minor local impacts from improper disposal of solid waste from construction activities or workers 	<ul style="list-style-type: none"> • Identify suitable waste dumping sites and obtain approval from local authorities. • Collect solid wastes and temporarily store at a safe place before transporting to approved disposal sites • Establish regulations on ensuring sanitation, stipulated dumping yard and waste treatment methods and disseminate those regulations to workers. 	<ul style="list-style-type: none"> • Construction spoils is regularly removed from site by Government Organization for solid waste disposal service • Cabbage bills are provided • Overall observation see the ESMP is being complied with
<p>Traffic Nuisance</p>	<ul style="list-style-type: none"> • Plan Construction –related activities to reduce impacts on businesses to extent possible. • For Example construction machinery and site works related equipment to avoid blocking access to the Market as well as shops in the evening. 	<ul style="list-style-type: none"> • Construction activities are not interrupt regular traffic system. In addition, warning signs have been properly installed in and around the construction site • Overall observation sees the EMP is being complied with.

Land Use <ul style="list-style-type: none"> • Minor impacts to local land uses during construction 	<ul style="list-style-type: none"> • Contractor to protect sensitive urban, natural areas during construction, and pay for any temporary use of land 	N/A
Human Health <ul style="list-style-type: none"> • Potential minor and temporary negative health impacts from reduced access to health facilities. • Increase in STDs from construction workers interacting with local population • Increases in water-borne diseases from improper sanitation at work camps and vicinity 	<ul style="list-style-type: none"> • Contractors to provide adequate access to health facilities at all times. • Contractors to screen and educate workers for HIV and other STDs. • Establish malaria control at work sites and camps. • Provide adequate toilet facilities and clean water for workers. 	<ul style="list-style-type: none"> • Contractor has been conducted health education to the workers, in regards to HIV/STD, sanitation, etc. • Using existing toilet and waste water discharge system • Overall observation see the ESMP is being complied with
Safety <ul style="list-style-type: none"> • Potential impacts from work-place accidents to workers, local community, or vehicles • Increase in traffic accidents due to construction traffic 	<ul style="list-style-type: none"> • Training and awareness-raising for workers on occupational health & safety. • Contractor to provide appropriate personal protective equipment (PPE) to workers, including eye and ear protection, gloves, reflective vests, and steel-toed boots. • Adequate signage, lighting, and control of construction sites. Traffic control measures to ensure public safety, including appropriate use of flag- persons and signage. • Contractor to establish efficient emergency/ contingency plans, adequate facilities & equipment & trained staff for handling emergencies. 	<ul style="list-style-type: none"> • All workers have been provided PPE for safety working condition • Necessary warning signs , light installation • Contractor having its own emergency response plan • Overall observation see the EMP is being complied with



Notes/Photos:

The construction work is are basically improvement of existing structure, no heavy machine is used. Therefore, the adverse impacts from project activities are minor and manageable.

See separate Appendix for Photos of activities

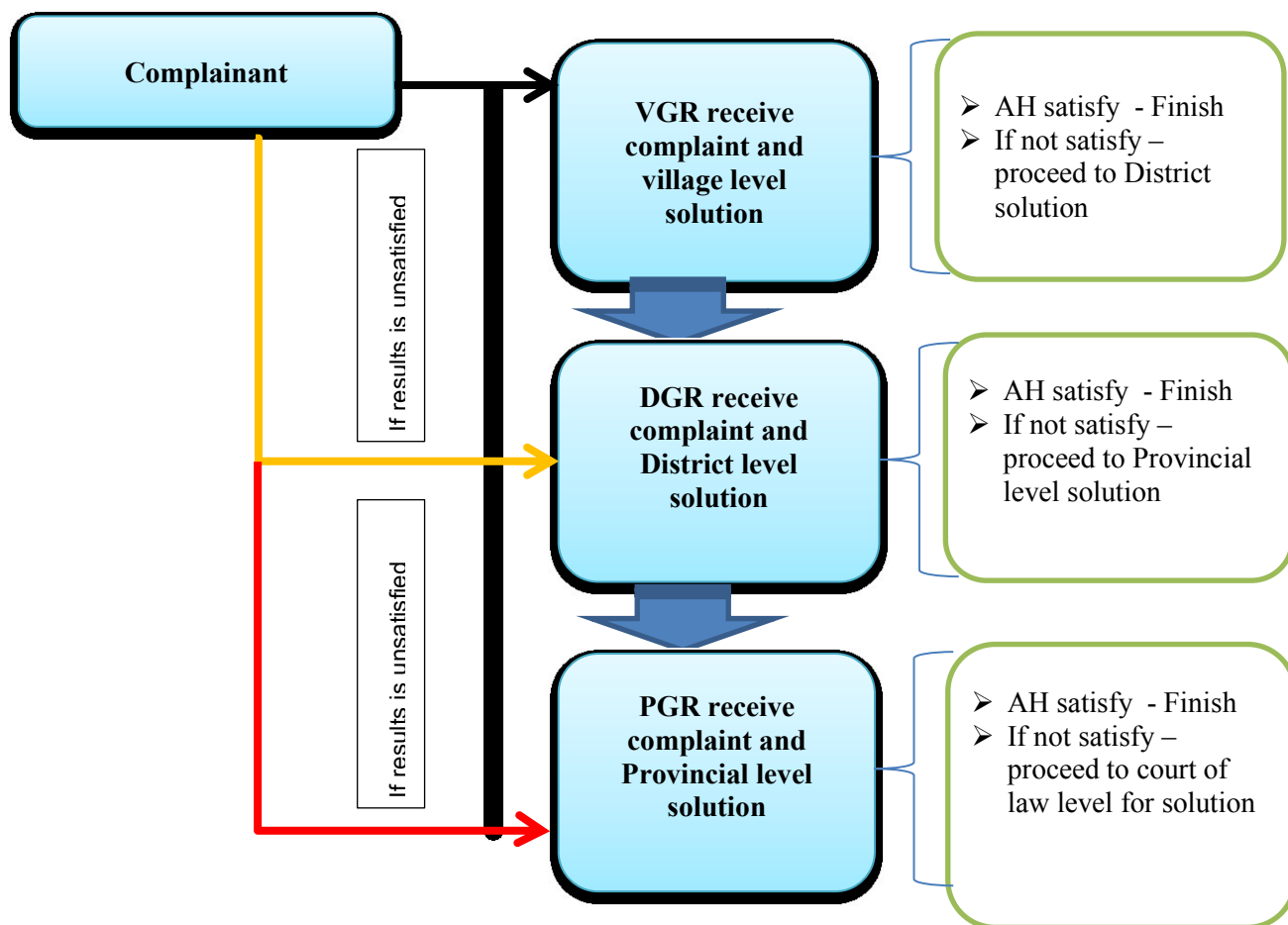
Appendix 3: List of participants of the Public consultation, discussion from November 2017 to April 2018

បញ្ជីចូលរួម ក្នុងការពិភាក្សា ជាមួយ អ្នកគាំពារ ក្នុងការ អនុវត្ត ផែនការ ប្រតិបត្តិ ប្រតិបត្តិ ប្រតិបត្តិ List of participants on public consultation for NM operational phase 2 April 2018

ឈ្មោះ និង ឈ្មោះ Names and surnames	តួនាទី ប្រតិបត្តិ Responsibility	មកពី ណា Come From	អ៊ីម៉ែល និង លេខ ទូរសព្ទ E-mail and N phone	ហត្ថលេខា Signature
គ. ផុល វង្សាធីតា Mr. Phomma Vongphachith	PMU/ National Project Director	PMU	phommav@yahoo.com	
គ. ណាឡុង សុលីយាវង្សា Mr. Nalong Souliganvongsa	PMU/Acting MMC	PMU	nalong_ss@yahoo.com	
គ. តាង ខាវ កុលសាវណ្ណ Mr. Thongkhao Kulbsavanha	CS head supervisor	LAC	Koulabsavanh@yahoo.com	
គ. ជូ ជូ ម៉ា Mr. Cho Mua	Field CS Engineer	LAC	Chomua100@gmail.com	
គ. ប៉ាយ Mr. Pay	Field Engineer Management (Constructor)	Nalux Construction Co., Ltd	Jakkrit_aunkaew@hotmail.com	
គ. ហ៊ុន បុត្រាធីតា Mme Budsady	MFI representative/Finance Project Management	MFI	Thippavanh1991@gmail.com	
គ. ឡាងឡែន Mr. Lamgneun	Kaysone Phomvihane District representative (D. Cabinet)	Kaysone Phomvihane District office		
គ. ប៉ូលា Mr. Bouala	MMC Management	PMU/MMC		
គ. ឃី ខាវ Mme Khamsey	Representative of MVA	MVA		
គ. ប៊ុន ស៊ីង Mr. Boun song	MVA controller	MVA		
គ. ប. ធីតាឡាង M. Thippavanh	Social Safe Guards/Environment supervisor	LAC		
គ. ក្រុមហ៊ុន ប្រតិបត្តិ ក្រុមហ៊ុន ប្រតិបត្តិ ក្រុមហ៊ុន ប្រតិបត្តិ Mr. and Mrs of NM representatives (Vendors)	60 Vendors (MVA members), represented by Mr. Sila	MVA		

Meeting Noted by Mr. Chanthip Latsavanh

Appendix 4: Grievance Redress Mechanism (Savan Night Market Improvement Project)



Appendix 5: Photographic Documentation in April and May 2018

Infrastructure & Building	Social/ Environment Management	Toilets and water use system
<p>Photo 1: View of Church site/new pavement in Market yard</p> 	<p>Photo 3: MMC, MFI and MVA representatives meeting for operational phase in future</p> 	<p>Photo 5: toilets and water use systems</p> 
<p>Photo 2: MMC office</p> 	<p>Photo 4: Environment/Social safe guards</p> 	<p>Photo 6: Cleaned of NM yard and foods carriage presented</p> 

Photo 7: Savanh Governance assist of Activity



Photo 8: Traditional dancing of Kaysone District on Hand over ceremony Day



Photo 9: NM ornamental as Waterfall

