

Environmental Monitoring Report

#1 Semestral Report
Project Number: 46391-001
Jan 2017

VIE: Ha Noi and Ho Chi Minh City Power Grid
Development Sector Project

Prepared by Ha Noi Power Corporation for the Asian Development Bank.

SEMI-ANNUAL ENVIRONMENTAL MONITORING REPORT

Period July – December 2015

Project Number: 46391-001

Loans 3161/8286-VIE: Ha Noi and Ho Chi Minh City Power Grid Development Sector Project

Executing Agency: EVN Hanoi City

CURRENCIES

(Rate of exchange of 28 March, 2015)

Currency Unit – VND
\$1.00 = 22,355 VND

ABBREVIATIONS

ADB	Asian Development Bank
AH	Affected households
B&C documents	Bidding and Contract documents
CEMP	Contractor Environmental Management Plan
CSC	Contractor Safeguard Consultant
CPC	Commune People Committee
DARD:	Department of Agriculture and Rural Development
DoNRE:	Department of Natural Resources and Environment
DoCST:	Department of Culture, Sports and Tourism
DoLISA:	Department of Labour, War Invalids and Social Affairs
DPMB	Development Project Management Board
EA:	Executing Agency
EIA:	Environmental Impact Assessment
EMoP	Environmental Monitoring Plan
EMP	Environmental Management Plan
EO	Environmental Officer of NPT
ES	Environmental Safeguard
ESHO	Environmental Safety Health Officer
HCMC	Ho Chi Minh City
EVNHANOI:	Ha Noi Power Corporation
EVNHCMC:	Ho Chi Minh City Power Corporation
IEC	Electricity Installation & Construction JSC.
IEE	Initial Environmental Examination
IES	International Environment Specialist
NES	National Safeguard Specialist for Environment
MoLISA	Ministry of Labour, War Invalids and Social Affairs
MoNRE:	Ministry of Natural Resources and Environment
NPA:	National Protected Area
OHTL:	Overhead transmission line
PCB:	Polychlorinated biphenyls
PCR:	Physical Cultural Resources
PIC:	Project Implementation Consultant
PPC:	Provincial People's Committee
RoW	Rights of Way
S/S:	Substation
T/L:	Transmission line
UGC:	Underground cable
UXO:	Unexploded Ordnance
USD	United State Dollars
JV:	Joint Venture
OHL:	Over Head Line
PCC:	Power Construction Company
UGC	Under Ground Cable

WEIGHTS AND MEASURES

dB(A)	–	Decibel (weighted average)
ha	–	hectare
km	–	kilometer
km ²	–	square kilometer
m	–	meter
m ²	–	square meter
m ³	–	cubic meter

NOTE

In this report, "\$" refers to US dollars unless otherwise stated.

This environmental monitoring report is a document of the borrower. The views expressed herein do not necessarily represent those of ADB's Board of Directors, Management, or staff, and may be preliminary in nature.

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1. INTRODUCTION

1.1 Project Background

The Asian Development Bank (ADB) has approved Loan 3161/8286-VIE:¹ Ha Noi and Ho Chi Minh City Power Grid Development Sector Project to strengthen the capacity and reliability of the power infrastructure in Ha Noi and Ho Chi Minh City through the rehabilitation and development of the 220 kilovolt (kV) and 110 kV grid. Hanoi Power Corporation (EVN HANOI) and Ho Chi Minh City Power Corporation (EVN HCMC), which are respectively responsible for the power supply in Ha Noi and Ho Chi Minh City, are the executing agencies. The project's impact will be that growth in national electricity demand is met in a sustainable manner, and the outcome will be improved reliability and efficiency of electricity supply in Ha Noi and Ho Chi Minh City.

The project's outputs, categorized into four distinct groups to enable more focused monitoring of project performance, are the development and/or rehabilitation of: (i) four core substation and transmission line subprojects in Ha Noi, (ii) four core substation and transmission line subprojects in Ho Chi Minh City, (iii) up to 192 noncore substation and transmission line subprojects in Ha Noi, and (iv) up to nine noncore substation and transmission line subprojects in Ho Chi Minh City.

1.2 Report Purpose

This report presents the results of the environmental management performance and internal monitoring activities for period of July-December 2015. The report covers the following:

- Status of compliance with ADB environmental loan covenants and with the environmental requirements of the Government of Vietnam during the report period.
- Status of implementation of the environmental mitigation measures during the report period of July-December 2015, under construction subprojects (NB-W01, NB-W02; ML-W02) based on the EMP requirements included in disclosure IEEs
- Recommending measures to mitigate the negative impacts on the environment for the construction phase.

2. PROJECT IMPLEMENTATION PROGRESS

The Project proposes 23 subprojects (4 core subprojects and 19 non-core subprojects) for EVN HANOI. By the end the first semiannual environmental monitoring report, period June to December 2015, IEE reports have been prepared for 4 core subprojects and 5 non-core subprojects, and disclosed on ADB website, while IEEs for 5 subprojects are under preparation by EVN HANOI Power Management Board (PMB) (Table 1).

¹ The funds are from ADB's ordinary capital resources (OCR) and ASEAN Infrastructure Fund (AIF).

² During the loan preparation, twenty non-core subprojects were identified; however before the loan approval (23 September 2014), EVN Hanoi dropped the Thach That (E10.7) 110 kV Substation subproject (originally listed as subproject number 24) because it is urgent to install and energize Thach That S/S so EVNHANOI invests Thach That S/S by other financing resource.

Table 1: List of subprojects with IEE status

Project	IEE	Construction started	Construction completed	Package
A: Core Project				
Rehabilitation of 110kV Son Tay S/S	Disclosed in Jan 2014	not yet	not yet	ADB-HNPC-ST-W01
Rehabilitation and upgrade of 110 kV Phuong Liet S/S		not yet	not yet	not yet
Rehabilitation and upgrade of 110 kV Tran Hung Dao S/S		not yet	not yet	not yet
Build new 110kV Substation at Noi Bai airport	Disclosed in Dec 2013	May-15	not yet	ADB-HNPC-NB-W01; ADB-HNPC-NB-W02
B: Non-Core Project				
Chem - Tay Ho 220kV transmission lines	Disclosed in Jun 2014	Dec-15	June-15	ADB-HNPC-CTH-W01; ADB-HNPC-CTH-W02
Mo Lao 110kV Substation and 110kV Branches	Disclosed in Jun 2014	Dec-15	not yet	ADB-HNPC-MLAO-W01; ADB-HNPC-MLAO-W02
Newly installation of T3 transformer - Thanh Xuan 110kV substation - E1.20	Disclosed in Jun 2015	Dec-15	not yet	ADB-HNPC-TX-W01
Expansion of Thuong Dinh 110kV substation - E1.5	Disclosed in Jun 2015	2015 Q4	not yet	not yet
Thanh Cong - Thuong Dinh 110 kV underground cable	Under preparation	not yet	not yet	not yet
Phu Nghia 110KV substation and 110KV line	Under preparation	not yet	not yet	not yet
Increasing capacity of T2 transformer, rehabilitation of 110KV bay - Tia substation - E10.4	Under preparation	not yet	not yet	not yet
Construction of 110 kV Tay Ho - Yen Phu underground cable	NOT YET	not yet	not yet	not yet
Construction of 110kV line from Thuong Tin 500 / 220kV substation supplying electricity to Thanh Oai 110kV	Under preparation	not yet	not yet	not yet
110kV line to Sai Dong Industrial combinations substation	NOT YET	not yet	not yet	not yet
New building 110kV Sai Dong Industrial combinations (Sai Dong 2)	NOT YET	not yet	not yet	not yet
New building 110kV Chuong My and line 110kV Thanh Oai - Chuong My	NOT YET	not yet	not yet	not yet
New building 110kV Ngoc Hoi and line	NOT YET	not yet	not yet	not yet
New building 110kV Tay Ho Tay Substation and line	NOT YET	not yet	not yet	not yet
110kV line to 220kV Son Tay Substation	Under preparation	not yet	not yet	not yet
New building 110kV Phung Town and line	NOT YET	not yet	not yet	not yet
110kV line from 500/220kV Thuong Tin substation - Quat Dong (E1.34) Substation - Tia (E10.4) Substation	NOT YET	not yet	not yet	not yet
110kV line from 500/220kV Thuong Tin substation - Quat Dong (E1.34) Substation - Tia (E10.4) Substation	NOT YET	not yet	not yet	not yet
New building 110kV Ba Vi Substation	NOT YET	not yet	not yet	not yet

The construction progress during the reporting period and to-date for each of the sub-projects is described below. During the second semiannual period (July-December) 2015, the construction activities are taking place in 4 subprojects: i) Build new 110kV Substation at Noi Bai airport with two construction packages; ii) Mo Lao 110kV Substation and 110kV Branches with two construction packages and iv) Newly installation of T3 transformer - Thanh Xuan 110kV substation - E1.20. As of 30 Dec, the construction has been completed for 01 subproject: with 2 packages, that are the CTH-W01 (construction of transmission line), CTH-W02 (construction of underground cable). Two packages NB-W01 (construction of substation and line) and NB-W02 (construction of underground cable) are under construction; the three packages TX-W01, MLAO-W01, MLAO-W02 had just signed the contracts at the end of Dec. The scope of each contract package and its implementation period is summarized in Table 2.

Table 2: The Scope of 06 civil works packages

Subproject	Contract package	Scope	Contractor	Start Date	Completion date
Build new 110kV Substation at Noi Bai airport	ADB-HNPC-NB-W01: Civil work- Construction of substation and line	Construction of new Noi Bai 110kV substation in the area of more than 3,000 m ² agricultural land, which is located in Phu Cuong commune and construction of OHL which start from Van Tri 220kV substation to Noi Bai substation. The OHL cross over 3 commune including Nam Hong, Bac Hong, Phu Cuong and Quang Minh town.	PCC1	April, 2015	Not yet
	ADB-HNPC-NB-W02: Supply and Install 110kV underground cable	Construction of more than 5km 110kV UGC which cross over Phu Cuong commune.	PCC5	Oct, 2015	Not yet
2. Mo Lao 110kV Substation and 110kV Branches	ADB-HNPC-MLAO-W01: Construction of Underground cable	Construction of more than 800 m 110kV UGC which start from electrical pole No.28 to the Mo Lao substation, all the underground cable laydown inside Mo Lao Urban area.	PCC1	Dec, 2015	Not yet
	ADB-HNPC-MLAO-W02: Construction of substation	Construction of new Mo Lao 110kV substation in the area of more than 3000 m ² inside Mo Lao urban area.	PCC1	Dec, 2015	Not yet
3. Newly installation of T3 transformer Thanh Xuan 110kV substation - E1.20	ADB-HNPC-TX-W01: Construction of substation	Enlarge the existing Thanh Xuan substation, installation of new T3 110kV transformer inside the substation	PCC1	Dec, 2015	Not yet

JV = Joint Venture, OHL = Over Head Line, PCC = Power Construction Company, UGC = Under Ground Cable

Works on packages NB-W01 and NB-W02 are proposed to be completed in April 2016. Works on packages MLAO-W01, MLAO-W02 and TX-W01 are now moving forward and all of them have been started since December 2015.

The monthly construction progress of three ongoing subprojects (Noi Bai, Mo Lao, Thanh Xuan) is summarized in Table 3:

Table 3: Construction Progress of subprojects

Contract packages	Physical progress
NB-W01	<p><u>July, 2015</u></p> <ul style="list-style-type: none"> + 66/66 pillar's foundations supported to outdoor substation electrical equipment were casted + First floor and second floor of the control centre were casted; and to built the brick wall of the second floor, to plaster the first floor's wall. + 16/17 electrical tower's foundation's were casted; + 15/17 electrical tower were erected.
	<p><u>August, 2015</u></p> <ul style="list-style-type: none"> + Plaster the outdoor sheath of the control centre, covered around 70% of the wall area; + Complete installing the ceiling joint and the tin roof for the control centre; + Implement the electrical work inside the second floor of the control centre; + Installed the transformer upon the foundation; + 16/17 electrical tower's foundation's were casted; excavation for the electrical tower at No. 2 position. + 15/17 electrical tower were erected and laid the power cable on to the tower from tower No. 6 to tower No.8 (06 lines), from tower No.8 to tower No. 9 (3 lines) and from tower No. 9 to tower No.10 (06 lines), as well as from the tower No.14 to tower No. 17 (06 lines), laid the lightening protection cable from tower No. 10 to tower No. 17.
	<p><u>September, 2015</u></p> <ul style="list-style-type: none"> + Plaster the outdoor sheath of the control centre, covered around 95% of the wall area; the concrete water reservoir and the sewer hole G2.8 + install the subfloor for second floor, covered about 50% floor's area + Completed around 100% painting work for the first floor of the control centre + Level the ground of T1 transformer bay and the ground behind the control centre. + Cover the toilet wall with the plaster + All the support pillar of cable joint cubicles at the switch yard were casted + Caster the UGC trench inside the substation, + Excavating the UGC trench outside the substation, part cross the road, + 17/17 electrical tower were erected + Laid the power cable and the lightening protection cable from tower No.1 to tower No. 5 and from tower No. 6 to tower No17.
	<p><u>October, 2015</u></p> <ul style="list-style-type: none"> + Plaster the protection wall for fault exhaust oil reservoir, the wall, beam of fence surrounding the capacitor banks, the fire protection wall between the two transformer + Installed the frame of center's porch + Completed installation of Cubicle shelf, cable trench inside the control center; + Complete levelling the ground behind the control center, and laying the power cable and the lightening protection cable from tower No.1 to tower No17 + Embankment the power tower of tower No. 1,4,16 and from tower 7 to tower No.13. + Painted the embankment of tower No. 5, 6, 7, 8, 9 + Level the ground for whole substation + Completed the concrete caster surrounding for all tower, the glass door for the control center, the main gate and sub gate's beam, the fire protection between the two transformer and the connection inside the 176, 177 E1.23 bays, supplemented the Lightning protection pole between two bays 175 and 100
	<p><u>November, 2015</u></p> <ul style="list-style-type: none"> + Completed erection for all the out door and indoor equipments, connection all the power cables and lightening protection calbes to the substation bays + Connected the secondary cable system for MK cubicles, Disconnecter cubicles, outdoor Circuit breaker, 10 indoor control cubicles, distribution cubicles and remote transformer control cubicles) + Completed the two remaining fault oil exhausted reservoirs, completed 8/8 sewer holes. + Completed the connection wire, busbar for two bays No.01 and No.02 and the handrail of the stair of control center

Contract packages	Physical progress
	<p><u>December, 2015</u></p> <ul style="list-style-type: none"> + Completed the road inside and outside the substation. + Completed the cobble stone of the switch yard and the drain tile inside the substation + All the information server, cameras were arrived to the substation. + Testing and adjusting the relays of all control-protection cubicles. + Installed the fault light, exit light, fire warning system for the control center.
NB-W02	<p><u>September, 2015</u></p> <ul style="list-style-type: none"> + Handover the construction site of UGC route to contractors
	<p><u>October, 2015</u></p> <ul style="list-style-type: none"> + Cobble of the sand from bending hold No. HU01 to No. HN01. + Excavating the UGC trench. + Casted the bending hold and cable trench + Laid the UGC mark band and sand for cable trench from bending hole HU01 to HN01 and the UGC HDPE pile from joint hole HN02 to joint hole HN03 + Erected the steel structure for bending hole HN01, HU01
	<p><u>November, 2015</u></p> <ul style="list-style-type: none"> + Completed the joint hole HN01 + Casted the joint hold HN03 + Excavated the cable trench from HN03-HN04 + Laid the UGC HDPE pile from joint hole HN04 to bending hole HU03.
	<p><u>December, 2015</u></p> <ul style="list-style-type: none"> + Continue to laying the UGC HDPE pile and UGC mark band. + Continue to Casting the cable trenches + Completed the joint holes HN01, HN02, HN03, HN04 + Completed the banding holes HU01, HU03, HU04.
MLAO-W01	<p><u>December, 2015</u></p> <ul style="list-style-type: none"> + Just signed the contract with the contractor
MLAO-W02	<p><u>December, 2015</u></p> <ul style="list-style-type: none"> + Completed casting the first floor of the control center and the foundations of second floor's beam + Assembling the steel structure of the control center's roof.
TX-W01	<p><u>December, 2015</u></p> <ul style="list-style-type: none"> + Hand over the construction site to the contractor

3. MONITORING MANAGEMENT SYSTEM AND MONITORING METHODOLOGY

3.1 Monitoring Management System

As stated in the approval IEE, the independence environmental monitoring consultant will not be mobilised to conduct environmental monitoring. Thus, the monitoring tasks have been assigned for Construction supervision consultant, Project Management Board of Hanoi Power Development with supported by PIC which focus on monitoring implementation of environmental mitigation measures of the construction contractors. The institutional arrangement of internal environmental monitoring system could be summarized in Figure 1:

Table 4: Environmental monitoring Stakeholder's responsibilities

Stakeholder	Responsibilities	Status of compliance
Hanoi Power Management Board	<ul style="list-style-type: none"> • Establish an Environment Unit led by an Environmental Staff to implement EMP tasks • Manage, implement and supervise the compliance of the EMP and any conditions for approval, including the supervision of construction and operation of all Board staff and Contractor • Evaluate the performance of EMP and conduct revisions, or suspension of operations in cases of violating the conditions of the EMP, which can cause serious impacts on the local community. • Ensure the effective communication and dissemination of content and requirements in EMP to the Contractor. • Assist the Contractor in implementing sub-plans • Supervise EMP performance • Report EMP performance to EVN, ADB by semi-annual environmental monitoring report • Prepare summary reports on Project's environmental activities upon request • Brief the Project's information in community meetings • Ensure continuing communication with local communities and fulfil commitments to facilitate for community consultations during project life. 	Yes, Hanoi Power Management Board have assigned two responsibility staffs to be in charge of EMP implementation monitoring and coordinate along relevant stakeholders
Construction Supervision Consultant	<ul style="list-style-type: none"> • Prepare and implement Environmental Supervision Plan during construction phase • Prepare and implement Environmental Monitoring Plan during construction phase • Report on any incidents or non-compliances of EMP to DPMB • Ensure adequate education and training to all staff related to environmental supervision • Provide recommendations on EMP performance to DPMB 	Yes, construction supervision consultants for 5 ongoing civil work packages assigned a consultants to be in charge of EMP compliance monitoring
Project Implementation Consultant (PIC)	<ul style="list-style-type: none"> • Assist EVN/DPMB in reviewing detailed design for the subproject to ensure mitigation measures being incorporated. • Assist EVN/DPMB for monitoring and evaluation of safeguards compliance • Maintain close coordination with the safeguard team throughout the project life. • Work with HANOI DPMB to provide education and training for awareness building on safeguards issues 	Yes project implementation consultant has been mobilised to support consultant company hired by Hanoi DPMB in IEE preparation and provide trainings and conduct site inspection
Contractor	<ul style="list-style-type: none"> • Prepare and keep records and necessary data as required in EMP and submit to Supervision Consultant • Ensure that workers are informed of purposes of EMP and aware of necessary measures to implement EMP 	Yes, 5 contractors of ongoing civil work packages have assigned 6 environmental officers to be in charge of environmental management
Local authority and community	<ul style="list-style-type: none"> • Participate in monitoring EMP implementation 	Yes

Monitoring system has been established among relevant stakeholders of ongoing subprojects to ensure internal monitoring of EMP compliance; the detail could be summarized in Table 5:

Table 5: Established Monitoring system among relevant stakeholders

Environmental officer	Agency	Package No.
Ha Tuan Minh	Project Management Board of Hanoi Power Development	
Tran Kieu Ngoc		
Nguyen Thi Loan	Project Implementation consultant	
Mo Lao s/s		
Nguyen Van Trung	Contractor - Power construction JSC No.1	ADB-HNPC-ML-W01
Duong Van Nguyen	Contractor - Power construction JSC No.1	ADB-HNPC-ML-W02
Ho Van Nghiem	CSC - Vietnam electrical construction consultant service JSC.	HANOI DPMB-ML-TVGS
Thanh Xuan s/s		
Nguyen Van Ky	Contractor - Power construction JSC No.1	ADB-HNPC-TX-W01
Ho Van Nghiem	CSC - Vietnam electrical construction consultant service JSC.	HANOI DPMB-TX-TVGS
Noi Bai s/s		
Nguyen Van Trung	Contractor - Power construction JSC No.1	ADB-HNPC-NB-W01-L01
Tran Van Thuy	Contractor - JV Power Industrial construction JSC and INCO ICS JSC	ADB-HNPC-NB-W01-L02
Nguyen Hong Quan	Contractor - Corporation Investment Consulting Electrical Construction And Number Five	ADB-HNPC-NB-W02
Le Anh Duc	CSC - Joint venture Infrastructure Technical & Electricity construction Investment consultancy JSC and Electric power design survey JSC	HANOI DPMB-NB-TVGS

3.2 Monitoring methodology

The EMP compliance monitoring has been conducted through: i) reviewing the completed EMP compliance forms of CSCs for each civil work packages (please refer to Annex C); ii) periodic site inspection of Project Management Board of Hanoi Power Development (weekly); iii) random site inspection of PIC, twice per year. The environmental effect monitoring program will not be required in disclosed IEEs since the impacts from construction activities had been assessed as insignificant level.

a) Document review of Monitoring Compliance with EMPs by CSC

All documents related to environmental management of the project are collected and reviewed to understand the performance of mitigation measures through its documentation. The reviewed documents include: internal monitoring reports of contractors of ongoing civil work packages, site inspection of CSC for every ongoing civil work packages, and bidding and contract documents.

Monthly reports on EMP compliance of contractors are done through site inspection of CSC for every ongoing civil work packages. Monitoring form aided by the monitoring checklist was prepared based on detail described mitigation measures, as per stated in EMPs, proposed in Annex C. The effectiveness of a contractor's environmental management of a particular impact item is evaluated subjectively using the following rating criteria:

- 1 – Very good: all required measures are conducted
- 2 – Good: main measures are conducted

- 3 – Medium: some measures conducted
- 4 – Weak: few measures conducted
- 5 – Very weak: few measures conducted

b) Site visit

Site visit has been conducted by Project Management Board of Hanoi Power Development (weekly). The PIC visits construction site one or two times every year.

6. STATUS of EMP IMPLEMENTATION

4.1 Compliance with ADB loan covenants

As required, all safeguard environmental schedules stated on Loan Covenant need to be strictly complied with, the list of environmental loan covenants and the level of compliance of Loan 3161/8286 is presented in Table 6.

Table 6: Status of Loan Covenant Compliance

ADB Environmental loan covenants	Status of compliance
<p>Schedule 4, Para. No. 7</p> <p>The Borrower shall ensure that the Executing Agencies do not award any Works contract which involves environmental impacts until:(a) The Ministry (or its Department, as the case may be) of Environment and Natural Resources has issued an environmental certificate approving the IEE relevant to the Subproject; and (b) the Executing Agencies have incorporated the relevant provisions from the EMP into the Works contract related to the Subproject.</p>	<p>Being complied with</p> <p>IEE reports prepared and approved as requirements of both Vietnam and ADB Requirements and EMP included in bidding documents of issued civil packages (namely: NB-W01, NB-W02, MLAO-W01, MLAO-W02, TX-W01).</p>
<p>Schedule 4, Para. 10</p> <p>The Executing Agencies shall recruit the individual consultants for preparation of safeguard documents, financial and economic analyses, technical specifications, bidding documents and bid evaluation reports in accordance with procedures acceptable to ADB for recruiting individual consultants.</p>	<p>Being complied with</p> <p>The Executing Agencies recruited the individual consultants for preparation of safeguard documents, financial and economic analyses, technical specifications, bidding documents and bid evaluation reports in accordance with procedures acceptable to ADB for recruiting individual consultants.</p>
<p>Schedule 5, Para. No. 3</p> <p>(a) The Borrower shall cause the Executing Agencies to ensure that the preparation, design, construction, implementation, operation and decommissioning of the Project and all Project facilities comply with (a) the Borrower's applicable laws and regulations relating to environment, health and safety; (b) the Environmental Safeguards; and (c) all measures and requirements set forth in the IEE, the EMP, and any corrective or preventative actions set forth in a Safeguards Monitoring Report.</p>	<p>Being compliance with</p> <ul style="list-style-type: none"> - All construction activities at sites have been complying with all laws and regulations relating to environment, health and safety. - 6 IEEs have been submitted to ADB for approval and disclosure. The semi annual monitoring report is the first one since construction work has just started. - Daily monitoring at site conduct by supervisor consultants and supervisor contractors; - EMP included in bidding documents of NB-W01, NB-W02, MLAO-W01, MLAO-W02, TX-W01) civil constructs. The compliance monitoring system has been taken place as noted in above
<p>Schedule 5, Para. No 8</p> <p>(b) The Borrower shall cause the Executing Agencies to make available necessary budgetary and</p>	<p>Being compliance with</p> <p>The budget for resettlement (if any) and compensation as stated in RP will be available by project owner</p>

ADB Environmental loan covenants	Status of compliance
human resources to fully implement the EMP and the RP.	<p>-The budget for EMP implementation will be available by project owner and contractors</p> <p>-The environmental staff of contractor, project owner as well as PIC are assigned to support and inspect of EMP implementation</p>
<p>Schedule 5, Para. No 9</p> <p>(d)The Borrower shall cause the Executing Agencies to ensure that all bidding documents and contracts for Works contain provisions that require contractors to: (i) comply with the measures relevant to the contractor set forth in the IEE, the EMP and the RP and any corrective or prevent active actions set forth in a Safeguards Monitoring Report; (ii) make available a budget for all such environmental and social measures; and (iii) provide the Executing Agencies with a written notice of any unanticipated environmental, resettlement or indigenous peoples risks or impacts that arise during construction, implementation or operation of the Project that were not considered in the IEE, the EMP, and the RP.</p>	<p>Being compliance with</p> <p>The bidding documents of NB-W01, NB-W02, MLAO-W01, MLAO-W02, TX-W01) civil constructs and contracts for Works contain provisions that require contractors to comply with mitigation measures stated in IEE and RP; make budget available and inform the Executing Agencies any unanticipated environmental, resettlement issues</p>
<p>Schedule 5, Para. No 10</p> <p>(e) The Borrower shall cause the Executing Agencies to do the following: (a) submit semimanual Safeguards Monitoring Reports to ADB until the Project completion and disclose relevant information from such reports to the affected persons and to ADB web site promptly upon submission; (b) if any unanticipated environmental and/or social risks and impacts arise during construction, implementation or operation of the Project that were not considered in the IEE, the EMP, and the RP, as applicable, promptly inform ADB of the occurrence of such risks or impacts, with detailed description of the event and proposed corrective action plan; and (c) report any actual or potential breach of compliance with the measures and requirements set forth in the EMP, and the RP promptly after becoming aware of the breach.</p>	<p>Being complied with</p> <ul style="list-style-type: none"> - Unanticipated environmental impacts and corrective action, if any, will be a part in environmental monitoring reports; - As reported in monitoring reports, there were no unanticipated environmental impacts have been identified; - As confirm from Hanoi Development Project Management Board (DPMB), there are not large changes in projects which could create adverse impacts on environment; - Semi-annual Environmental Monitoring report will be submitted to ADB semi-annually (first monitoring period: July-December 2015) - All civil works on the site complied with ADB requirements.
<p>Schedule 5, Para. No 26</p> <p>(f) For any Works supported under the Project, the Borrower shall ensure that the Executing Agencies will not issue a notice to proceed with such Works, until it has been confirmed in writing that the related construction site is free and clear from any unexploded ordnance.</p>	<p>Being complied with</p> <p>The Project Owner has sent a letter to the Hanoi Capital Military Command to get recommendation for UXO clearance for every subproject. If the Hanoi Command request for UXO clearance, this is always done before subproject construction. For 3 subprojects monitored in this report, UXO was required by Hanoi Capital Military Command and the UXO clearance was conducted before construction starts.</p>

4.2 Incorporation of Environmental Requirements into Project Contractual Arrangements

The environmental consideration has been incorporated into the subproject documents such as the EMP/IEE and the bidding and contract (B&C) documents of NB-W01, NB-W02, MLAO-W01, MLAO-W02, TX-W01) as stated in Appendix A.

In these the bidding and contract (B&C) documents, the content of the potential environmental impacts and proposed mitigation measures for construction period in the EMP chapter in IEE and the emergency respond plan are included.

4.3 Capacity Building

The PIC has organized a training workshop to environmental staff of Hanoi Development Project Management Board (DPMB), CSC, and contractor on 14 December 2015 at Hanoi DPMB office on environmental requirement of ADB, GOV as well as provided report forms and guidance to prepare environmental monitoring reports.

Total 26 people participated in the workshop from that 4 are women. The list of participants is presented in Appendix C

The training methodology are included: PowerPoint presentation of instructor; discussion, group working and presentation.

The contents of workshop are:

- Introduction of policies, laws and regulations of the government environmental policy in Vietnam and ADB environmental safety
- Preparation of IEE and EIA reports as stipulated by ADB and Vietnam
- Preparation of environmental reports to be included in the bidding documents
- Preparation of site environmental management plans of contractors
- Improving the skills of environmental monitoring for environment supervisors of contractors and DPMB
- Agreement on-site inspection, monthly and quarterly reporting forms for contractors (in Vietnamese) and semi-annual report (in English) for the project management unit.

4.4. Summary of Environmental Mitigations and Compensation Measures Implemented

During this report period, 3 of 5 construction packages have been started that are NB-W01, NB-W02 and MLAO-W01. The other two (MLAO-W02, TX-W01) were not been started yet. The monthly site inspection was conducted by the environmental officer of the project owner. The Construction supervision consultant monitor at construction site every day.

At NB-W01 and NB-W02, the mud (Bentonite) were generated from excavating the equipment shelf's foundation and excavating the underground cable trench activities. Mud is stored in special box and transferred into disposal site every night. To reduce the noise generated by project vehicles/trucks transporting the mud during the night, contractors have requested drivers made no horn and during the loading of materials or waste turn off the engine. All machines, equipment, and weight load of machine at the construction sites were technically tested and checks requested by the government regulation. Thus, issues of safety and environment of contractors and subcontractors comply with requirements of the Environmental Management Plan and improved.

Incident: No Incident was occurred in the period of July-December 2015.

4.4.1. Main findings from site visit of PIC

During this report period, PIC conducted site visit on October 2015 to random check performance of contractors on the site of all subproject under construction: i) New building of 110kV Noi Bai airport substation and transmission line. The main findings from site visit could be summarized as below:

- The construction sites to be generally tidy and organized, safety signal and lighting were enhanced to keep absolutely safety during construction period.

- The workers were using proper protective equipment and were provided with satisfactory facilities.
- Disposal sites for excavation and hazardous materials had been allocated and approved by the relevant authorities.
- The batching plan was requested to comply with EMP.
- The drinking water was provided for all three construction sites.

4.4.2. EMP Performance Status

The EMP compliance monitoring results based on the reviewing of CSC site inspection forms (see annex D) and site inspection of Hanoi DPMB and PIC is summarized in Table 7.

Table 7: EMP Compliance Status of Ongoing Civil Work Packages

EMP Requirements	Compliance Attained		
	Build new 110kV Substation at Noi Bai airport	Build new 110kV Under Ground cable to Substation at Noi Bai airport	MLAO-W01
Establishment of contractor's facilities (camps, offices, quarries, concrete batching areas etc.).	<p>1: Very good</p> <ul style="list-style-type: none"> Sites are located inside the subproject fence so that no interferences with the welfare or social cohesion of surrounding communities were recorded Contractor's storage facilities have been surrounded by a security fence. 	<p>2: Good</p> <ul style="list-style-type: none"> Sites are located inside the subproject area so that no interferences with the welfare or social cohesion of surrounding communities were recorded. Contractor's storage facilities have been surrounded by a security fence. 	the contract with the contractor were signed at the end of December, no construction activities have been conducted
Demarcation and clearing of RoW and ancillary facilities	<p>1:Very good</p> <ul style="list-style-type: none"> All the RoW and ancillary facilities were clearing by the contractor. The subproject site is bounded by fence. The area for construction of new 110kV substation is agricultural land (rice field) without perennial trees. No clearance of vegetation and other facilities is conducted outside the fence 	<p>2: Good</p> <ul style="list-style-type: none"> The construction site is located within the grass ground. No clearance of vegetation and other facilities 	
Preparation of site: excavation, removal and disposal of unusable (incompetent) materials	<p>1:Very good</p> <ul style="list-style-type: none"> There is almost no soil amount to be disposed. Since the existing ground is low, almost all excavated soil has been refilled to make the substation base higher. The excavated area was limited to the area needed for construction only 	<p>2: Good</p> <ul style="list-style-type: none"> The excavated area was limited to the area needed for construction only. Excavated soil is used to refilled the underground cable trench. The safety tape are hang around the holes dug for installation of pipes need warning tape around to prevent people passing by at night can fall into a pit 	-
Dust management	<p>1: Very good</p> <ul style="list-style-type: none"> The contractor has applied dust control measures: covered truck transporting construction material; made fence surrounding construction site; covered 	<p>1: Very good</p> <ul style="list-style-type: none"> The contractor has applied dust control measures: covered truck transporting construction material; made fence surrounding construction site; covered 	

EMP Requirements	Compliance Attained		
	Build new 110kV Substation at Noi Bai airport	Build new 110kV Under Ground cable to Substation at Noi Bai airport	MLAO-W01
	construction material piles ect.	construction material piles etc.	
Noise and vibration	<p>1: Very good:</p> <ul style="list-style-type: none"> The work generating big noise is implemented during daytime only. Noise is managed not to exceed 55dBA at boundary of any residential area between 6hr and 21h00 and 45 dBA between 21h00 and 06h00; 	<p>1: Very good</p> <ul style="list-style-type: none"> The work generating big noise is implemented during daytime only. Noise is managed not to exceed 55dBA at boundary of any residential area between 6hr and 21h00 and 45 dBA between 21h00 and 06h00; 	-
Waste water from construction site	<p>1: Very good</p> <ul style="list-style-type: none"> Wastewater from construction site is preliminarily treated by sedimentation hole, where soil sediment is deposited before being discharged into irrigation canal at surrounding area; Oil and fuel from machinery was collected and disposed to a regulated site; 	<p>3: Medium</p> <ul style="list-style-type: none"> Temporary toilet is placed near the kitchen. Around the toilet generates wastewater from the kitchen because no wastewater drainage Oil and fuel from machinery was collected and disposed to a regulated site; 	-
Prevention of soil erosion on construction site.	<p>1: Very good</p> <p>No soil erosion occurred</p>	<p>1: Very good</p> <p>No soil erosion occurred</p>	
Disposal of site waste	<p>1: Very good</p> <ul style="list-style-type: none"> Domestic solid waste is gathered onsite then collected and transported by Tan Cuong Environmental cooperative to the commune regulated disposal area Construction solid waste were disposed at Phu Cuong Landfill, Soc Son district, Hanoi. 	<p>1: Very good</p> <ul style="list-style-type: none"> Domestic solid waste is gathered onsite then collected and transported by Environmental Units of Quang Minh town and Nam Hong, Bac Hong communes to regulated disposal area Construction solid waste were disposed at Phu Cuong Landfill, Soc Son district, Hanoi. 	-
Storage and handling of: fuel and lubricants	<p>1: Very good</p> <ul style="list-style-type: none"> All fuel storage areas were securely fenced and provided with oil and water separators. Fuel hoses and shut off valve to be locked. 	<p>1: Very good</p> <ul style="list-style-type: none"> All fuel storage areas were securely fenced and provided with oil and water separators. Fuel hoses and shut off valve to be locked. 	-

EMP Requirements	Compliance Attained		
	Build new 110kV Substation at Noi Bai airport	Build new 110kV Under Ground cable to Substation at Noi Bai airport	MLAO-W01
	<ul style="list-style-type: none"> Fuel were stored in properly sealed containers. Regularly check its locks to prevent fuel from running over to environment. All waste oil and oil filters was collected and if possible recycled, otherwise to be disposed of to landfills The contractor has trained refueling personnel in these procedures. The contractor has developed an accidental spill handling action plan 	<ul style="list-style-type: none"> Fuel was stored in properly sealed containers. Regularly check its locks to prevent fuel from running over to environment. All waste oil and oil filters was collected and if possible recycled, otherwise to be disposed of to landfills The contractor has trained refueling personnel in these procedures. The contractor has developed an accidental spill handling action plan 	
Community Safety from increased vehicle movements	<p>1: Very good</p> <ul style="list-style-type: none"> All vehicles were properly maintained and operated in accordance with transportation laws. All loads were properly secured and fugitive loads to be covered. 	<p>1: Very good</p> <ul style="list-style-type: none"> All vehicles were properly maintained and operated in accordance with transportation laws. All loads were properly secured and fugitive loads to be covered. 	-
Workplace health and safety	<p>2: Good</p> <p>Contractor has abided: Vietnamese Labor Code as amended 2002 as follow:.</p> <ul style="list-style-type: none"> Provided workers be with safety working environment Erect warning signs and barriers around work areas Not allow drugs or alcohol on-site; Control noise and dust provided all workers with safety equipment appropriate for the task they are employed. The workers are to be supplied on-site with: Potable water, sanitary toilet, washing and showering facilities. Prepared work safety regulation for each activity Before execution, workers need to be introduced and explained site safety procedures. Provided medical and first aid facilities together with a person qualified in first aid. 	<p>2: Good</p> <p>Contractor has abided: Vietnamese Labor Code as amended 2002 as follow:</p> <ul style="list-style-type: none"> Provided workers be with safety working environment Erect warning signs and barriers around work areas Not allow drugs or alcohol on-site; Control noise and dust provided all workers with safety equipment appropriate for the task they are employed. The workers are to be supplied on-site with: Potable water, sanitary toilet, washing and showering facilities. 	-

EMP Requirements	Compliance Attained		
	Build new 110kV Substation at Noi Bai airport	Build new 110kV Under Ground cable to Substation at Noi Bai airport	MLAO-W01
		<ul style="list-style-type: none"> • Prepared work safety regulation for each activity • Before execution, workers need to be introduced and explained site safety procedures. • Provided medical and first aid facilities together with a person qualified in first aid. 	
Chance discovery of archaeological and cultural sites	<ul style="list-style-type: none"> • No archaeological and cultural sites were found on the construction site during report period 	<ul style="list-style-type: none"> • No archaeological and cultural sites were found on the construction site during report period 	
Public access to site	<p>1: Very good</p> <ul style="list-style-type: none"> • Warning signs and barriers around work areas were erected. • Site could only be accessed with permission of contractor. • Visitors were warned against site hazards to avoid possible accident 	<p>1: Very good</p> <ul style="list-style-type: none"> • Warning signs and barriers around work areas were erected. • Site could only be accessed with permission of contractor. • Visitors were warned against site hazards to avoid possible accident 	
Community and worker health and safety	<p>1: Very good</p> <ul style="list-style-type: none"> • Workers have been educated on the social problems, and measures of preventing HIV/AIDS; • Workers in camps are provided, safe water and hygienic bathing and cooking; • Workers have been equipped with labor protecting equipment and wear them during working time. • First aid, medicines are available at site and camps for workers; • Dust bins to collect wastes are provided in worker camps; 	<p>1: Very good</p> <ul style="list-style-type: none"> • Workers have been educated on the social problems. and measures of preventing HIV/AIDS; • Workers in camps are provided, safe water and hygienic bathing and cooking; • Workers have been equipped with labor protecting equipment and wear them during working time. • First aid, medicines are available at site and camps for workers; • Dust bins to collect wastes are provided in worker camps; 	

9. SUMMARY OF ENVIRONMENTAL MONITORING

The compliance with requirements during construction phase is very good. Almost all impact mitigation measures have been implemented. All necessary documents required by ADB as well as by Vietnamese Government have been obtained by Hanoi Power Management Board

Ambient environmental monitoring activities have been not required for all subproject under this loan due to small scope of civil work activities. Therefore, the monitoring activities will focus on EMP compliance monitoring.

9.1 Key Issues Identified

No special issues are found in the two construction packages. However, during this monitoring period (July-December 2015) the environmental compliance of two Noi Bai construction package is assessed to be very good. The main achievements are:

- The construction sites are generally tidy and organized.
- Construction sites are safety is fenced with warning signal and lighting to keep absolutely safety during construction period.
- The workers are provided with satisfactory facilities and use proper protective equipment
- Disposal sites for domestic and construction solid waste have been allocated and approved by the relevant authorities.

9.2 Issues from previous report(s).

No issue from previous report because this report is the first one and now construction activities were taking place

10. COMPLAINTS

No complaints regarding environmental issue in the period between July and December 2015 were recorded.

11. CONCLUSION AND RECOMMENDATION

11.1 Conclusions

- The Contractors of all subprojects have generally complied with and implemented measures to mitigate the environmental impacts
- All subprojects have no complaints from residents living surrounding the subproject area on the environment issues.

12.2 Recommendation

- The contractor of Noi Bai airport substation and transmission line subproject should keep continue to clean up the worker camp as well as site construction.
- Construction supervision Consultants should keep continuing to monitor closely the remediation activities of contractors.
- The constructor and supervision consultant should use provided monthly and quarterly reporting forms to prepare their monthly monitoring report

APPENDIXES

Appendix A: Summary of the environmental requirements in EMP/IEE and in B&C documents

Appendix B: Photo OF Training

Appendix C: List of Participants of Training Workshop

Appendix D: Site Environmental Compliance Inspection Record

Appendix A: Summary of the environmental requirements in EMP/IEE and in B&C documents

<i>Environmental issues</i>	<i>Environmental requirements in the EMP/IEE</i>	<i>In B&C documents</i>
Establishment of contractor's facilities (camps, offices, quarries, concrete batching areas etc.).	<ul style="list-style-type: none"> - Sites are located so that they do not interfere with the welfare or social cohesion of surrounding communities - Site is limited to reduce unnecessary clearing of vegetation. - Sanitary soakage areas from offices and camps to be sited so that effluent is treated. - No discharge of grey water or sewage allowed to surface water systems. - Workshops to be provided with oil and water separators. - Fuel storage areas not to be located within 20m of watercourse. - Contractor's storage facilities may need to be surrounded by a security fence. - Concrete batching areas to be provided with bunds to control movement of runoff to waterways. 	<p>All environmental requirements in the EMP/IEE have been integrated into the B&C documents and the CEMP of NB-W01, NB-W02, MLAO-W02</p>
Demarcation and clearing of RoW and ancillary facilities	<ul style="list-style-type: none"> - Define the 22m RoW width. - Identify trees to be removed within the RoW and arrange to get approval for remove. - Limit area to be cleared - Identify areas with any significant vegetation - Areas to be defined by a clear boundary. - Clearing boundaries need to be shown to machinery operators. - Cleared vegetative material to be offered to communities for use as fuel wood or - If an impediment to work may otherwise be disposed of by clean burning fires. 	
Preparation of site: excavation, removal and disposal of unusable (incompetent) materials	<ul style="list-style-type: none"> - Limit area to be excavated. - Topsoil to be removed and stored for re-use. - Excavated material to be disposed of outside and away from the work area. - At completion of work dumping areas to be re-top soiled and re-vegetated. 	
Dust management	<ul style="list-style-type: none"> - When dust is carried towards residential areas or becomes problematic on-site, the contractor is to apply dust control measures; 	
Noise and vibration	<ul style="list-style-type: none"> - If particular noisy work is implemented, the work may need to be limited to daylight hours. - Noise not to exceed 55dBA at boundary of any residential area between 6hr and 21h00 and 45 dBA between 21h00 and 06h00; 	
Waste water to construction site	<ul style="list-style-type: none"> - Not allow to discharge waste water directly to water body surrounding the site ; - Make a discharging canal surrounding the foundation holes to collect runoff water to reduce its turbidity before discharging it into water body surrounding the site ; - Not allow to drop oil and fuel from machinery to site; 	
Prevention of soil erosion on construction site.	<ul style="list-style-type: none"> - Apply soil conservation and erosion protection technologies. - Avoid operating machinery in adverse ground conditions. 	

Environmental issues	Environmental requirements in the EMP/IEE	In B&C documents
	<ul style="list-style-type: none"> - Protect and vegetate newly excavated areas as soon as possible 	
Disposal of site waste	<ul style="list-style-type: none"> - All waste materials to be collected and sorted into two categories (i). those that can be recycled and - (ii) those that need to go to an approved landfill site for disposal; 	
Storage and handling of: fuel and lubricants	<ul style="list-style-type: none"> - All fuel storage areas should be securely fenced and provided with oil and water separators. Fuel hoses and shut off valve to be locked. - Fuel should be stored in properly sealed containers. Regularly check its locks to prevent fuel from running over to environment. - All refueling to be done at least 20 m away from waterways by trained personnel - All waste oil and oil filters to be collected and if possible recycled, otherwise to be disposed of to landfills - The contractor needs to train refueling personnel in these procedures. The contractor has to develop an accidental spill handling action plan 	
Community Safety from increased vehicle movements	<ul style="list-style-type: none"> - All vehicles need to be properly maintained and operated in accordance with transportation laws. - All loads should be properly secured and fugitive loads to be covered. - Drivers are fined if ignore safety requirements. 	
Workplace health and safety	<ul style="list-style-type: none"> - Contractor should abide: Vietnamese Labor Code as amended 2002 as follow:. - Provided workers be with safety working environment - Erect warning signs and barriers around work areas - Not allow drugs or alcohol on-site; - Control noise and dust provided all workers with safety equipment appropriate for the task they are employed. - The workers are to be supplied on-site with: Potable water, sanitary toilet, washing and showering facilities. - Prepared work safety regulation for each activity - Before execution, workers need to be introduced and explained site safety procedures. - Provided medical and first aid facilities together with a person qualified in first aid. 	
Chance discovery of archaeological and cultural sites	<ul style="list-style-type: none"> - Chance discoveries should be notified to the SE who will report to the EO. EO would advise on procedure for dealing with chance discoveries. 	
Clearance and rehabilitation of Construction sites and removal of contractor's facilities.	<ul style="list-style-type: none"> - All solid waste should to be removed from sites and disposed in approved landfills. - All contaminated soil should be removed. - All sites must be rehabilitated and restored to original condition. - Drainage should be re-established. - Those activities should be included as part of final inspection before payment made. 	
Public access to site	<ul style="list-style-type: none"> - Erect warning signs and barriers around work areas. - Site can only be accessed with permission of contractor. - Visitors are to be warned against site hazards to avoid possible accident 	
Community and worker health and safety	<ul style="list-style-type: none"> - Promulgate, educate workers on the social problems. Implement measures of preventing HIV/AIDS; - Provide good daily life conditions for workers in camps 	

<i>Environmental issues</i>	<i>Environmental requirements in the EMP/IEE</i>	<i>In B&C documents</i>
	<p>in terms of sanitation, safe water and cooking;</p> <ul style="list-style-type: none"> - Worker's camps shall be constructed in a high places and - Local workers should be hired for normal works; - Equip workers with labor protecting equipment and force them to wear during working time. - Provide means of first aid, medicines at site and camps for workers; - Ensure sanitation in worker's camps. Provide dust bin to collect wastes; - Prohibit hunting and trading wild animals; 	

Annex B: PHOTOS OF ENVIRONMENTAL TRAINING WORKSHOP





Appendix C: LIST OF PARTICIPANTS OF TRAINING ON 4 DEC, 2015

Date: 14 May 2015


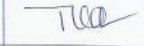
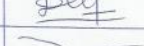
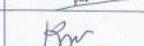
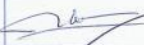


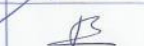









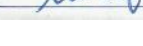

Venue 100 Tran Phu Road-Ha Dong Hanoi HANOI DPMB office

TT	Name	M	F	Position/Organization
1	Nguyễn Tiến Nam			Officer –Technical- Supervision Department - HANOI DPMB
2	Nguyễn Minh Tuấn			Officer- Planning Department - HANOI DPMB
3	Nguyễn Đức Ninh			Officer –Technical- Supervision Department - HANOI DPMB
4	Dương Văn Nguyên			Officer –Technical- Supervision Department - HANOI DPMB
5	Trần Kiều Ngọc		x	Officer –Technical- Supervision Department- HANOI DPMB
6	Nguyễn Tiến Thanh			Officer- Planning Department- HANOI DPMB
7	Bùi Lê Hà			International Relation Department-
8	Trần Duy Hưng			Officer- Planning Department HANOI DPMB
9	An Thị Nguyệt		x	Staff -PDI consulting Company
10	Nguyễn Thị Thúy Hằng		x	Physical Institute
11	Phạm Hữu Mạnh			International relation Department - EVN Hanoi
12	Tạ Thanh Nghị			Staff -PDI consulting Company
13	Nguyễn Văn Bằng			Staff -PDI consulting Company

14	Nguyễn Thu Nga		x	International Relation Department- EVN Hanoi
15	Nguyễn Thanh Lũy			Technical Officer of Survey-Design- Construction Joint Stock Company
16	Đào Hữu Dũng			Officer- Planning Department - HANOI DPMB
17	Nguyễn Thành Minh			Officer- HANOI DPMB
18	Bành Phước Chung			Deputy Director- HANOI DPMB
19	Nguyễn Thanh Hương		x	Staff- Research and Consultancy Center for Development
20	Trần Văn Thủy			Industrial Construction Joint Stock Company
21	Vũ Đình Bình			Technical Officer- HANOI DPMB
22	Hà Tuấn Minh			Officer –Technical- Supervision Department- HANOI DPMB
23	Đỗ Khánh			Bidding Management Board- HANOI DPMB
24	Nguyễn Văn Vân			Staff- Electrical construction and investment & Technical Infrastructure Joint Stock Company
25	Vương Điền			Technical Officer- Electrical construction and investment Joint Stock Company No.5
26	Nguyễn Minh Đức			EVN Hanoi

DANH SÁCH CÁN BỘ

DỰ ÁN PHÁT TRIỂN ĐIỆN LỰC HÀ NỘI - HỒ CHÍ MINH
TẬP HUẤN CÔNG TÁC MÔI TRƯỜNG

	Họ, tên	Vị trí - Đơn vị công tác	CHỮ KÍ
1	Nguyễn Tiến Nam	Nhân viên - phòng Kỹ thuật Giám sát	
2	Nguyễn Minh Tuấn	Nhân viên phòng Kế hoạch	
3	Nguyễn Đức Ninh	Nhân viên phòng Kỹ thuật - Giám sát	
4	Đường Văn Nguyễn	Nhân viên phòng Kế hoạch	
5	Trần Kiên Ngọc	Nhân viên phòng KTGT	
6	Nguyễn Tiến Thành	Nhân viên phòng Kế hoạch	
7	Bùi Lê Khả	Ban Quản lý Quốc tế	 *
8	Trần Duy Hùng	Nhân viên phòng Kế hoạch	
9	Anh Phi Nguyễn	Công ty tư vấn PDI	
10	Nguyễn Thị Thủy Hằng	Văn Viên lý	
11	Phạm Hữu Mạnh	Ban QLDA PTĐL Hà Nội	
12	Tạ Thanh Nghị	Công ty tư vấn PDI	
13	Nguyễn Văn Cường	Cty tư vấn PDI	
14	Nguyễn Phúc Nga	Ban DKQT	 *
15	Nguyễn Thanh Lưu	Cty cơ phẩm Khảo sát TK xây dựng Công Đạt	
16	Đào Khắc Dũng	Phòng Kế hoạch - Ban QLDA LL Hà Nội	
17	Nguyễn Thành Mạnh	Ban QLDA phát triển Điện lực Hà Nội	
18	Bình Phước Chung		
19	Nguyễn Thanh Hoàng	Trung tâm Nghiên cứu và Tư vấn về PT	
20	Trần Văn Thuận	Cty CP Xây dựng Điện Công nghiệp	

Appendix D: SITE ENVIRONMENTAL COMPLIANCE INSPECTION RECORD

SITE ENVIRONMENTAL COMPLIANCE INSPECTION AND MONITORING RECORD AT CONSTRUCTION SITE –CONSTRUCTION OF MOLAO SUBSTATION

PROJECT: New building 110kV Mo Lao and 110kV line		Implementing agency: HANOI DPMB					
Component: Package No. ADB-HNPC-ML-W01 No. ADB-HNPC-ML-W02		Supervising agency: Vietnam electrical construction consultant service JSC.					
Location: Site Office and Work-camp, Construction sites of substation		Contractor: Power construction JSC No.1					
Date: 31/12/2015		Report Period: Phase: Construction (01/12/2015-31/12/2015)					
1. Contractor							
Contractor Environmental Awareness	Yes/No	Required actions	Contractor's responsibility/ Comments				
Contractor is aware of mitigation requirements?	Yes	Complying the commitments stated in Bidding document and Contractor's EMP as well	Contractors are requested to prepare EMP and as requirement stated in contract signed with DPMB				
Contractor has a copy of EMP?	Yes	Keep copies of EMP, environment documents, permits in site offices.	Contractor has responsibility of consequences and measures applied by Employer due to the breach of the contract.				
2. Compliance of inspection of mitigation measures							
Impact/Mitigation measures		<u>Approved by:</u> ADB and HANOI DPMB					
(From EMP list all mitigation measures of environmental impacts which need to be completed)	Mitigation taken Yes/No	Mitigation effectiveness (1 to 5)	Impact Observed/ Location	Required actions	Contractor's responsibility/Comments	Implementing agency	Supervising agency
1) Establishment of contractor's facilities (camps, offices, quarries, concrete batching areas etc).	Yes	1	-Sites are located inside the subproject area so that they do not interfere with the welfare or social cohesion of	-Wastewater is preliminary treated by settle chamber before discharging into to surface water bodies. - Contractor's storage facilities have been surrounded by a security	Performance	Contractor	Supervision Consultant

			surrounding communities	fence.			
2) Demarcation and clearing of RoW and ancillary facilities	Yes	2	The subproject site is bounded by fence. No clearance of vegetation and other facilities is needed	The subproject site is bounded by fence. No clearance of vegetation and other facilities is needed	Performance	Contractor	Supervision Consultant
3) Preparation of site: excavation, removal and disposal of unusable (incompetent) materials	Yes	2	-The excavated area was limited to the area needed for construction only.	-The excavated area was limited to the area needed for construction only.. -Excavated material was disposed of outside and away from the work area.	Performance	Contractor	Supervision Consultant
4) Dust management	Yes	2	Truck transporting construction material; construction site	The contractor has applied dust control measures: covered truck transporting construction material; made fence surrounding construction site; covered construction material piles ect.	Performance	Contractor	Supervision Consultant
5) Noise and vibration	Yes	2	- The work generating big noise is implemented at daylight hours only.	Noise is managed not to exceed 55dBA at boundary of any residential area between 6hr and 21h00 and 45 dBA between 21h00 and 06h00;	Performance	Contractor	Supervision Consultant
6) Waste water from construction site	Yes	2	Construction site	Oil and fuel from machinery was collected and disposed to a regulated site	Performance	Contractor	Supervision Consultant
7) Prevention of soil erosion on construction site; Disposal of site waste	Yes	2	- No soil erosion occurred - All waste materials were collected and sorted into two categories (i). those that can be recycled and (ii) those that need to go to an approved landfill site for disposal;	- No soil erosion occurred All waste materials were collected and sorted into two categories (i). those that can be recycled and (ii) those that need to go to an approved landfill site for disposal;	Performance	Contractor	Supervision Consultant

			need to go to an approved landfill site for disposal;				
8) Storage and handling of: fuel and lubricants	Yes	2	- Fuel for all machine work at site. - Fuel fills in transformer.	- All fuel storage areas were securely fenced and provided with oil and water separators. Fuel hoses and shut off valve to be locked. - Fuel were stored in properly sealed containers. Regularly check its locks to prevent fuel from running over to environment. - All waste oil and oil filters was collected and if possible recycled, otherwise to be disposed of to landfills - The contractor has trained refueling personnel in these procedures. The contractor has developed an accidental spill handling action plan	- Performance	Contractor	Supervision Consultant
9) Community Safety from increased vehicle movements	Yes	2	- All vehicles and loads at site.	- All vehicles were properly maintained and operated in accordance with transportation laws. - All loads were properly secured and fugitive loads to be covered.	- Performance	Contractor	Supervision Consultant
10) Workplace health and safety	Yes	2	- At site	- Contractor has abided Vietnamese Labor Code as amended 2002 as follow:. - Provided workers be with safety working environment - Not allow drugs or alcohol on-site; - Control noise and dust provided all workers with safety equipment appropriate for the task they are employed. - The workers are to be supplied	- Performance	Contractor	Supervision Consultant

				<p>on-site with: Potable water, sanitary toilet, washing and showering facilities.</p> <ul style="list-style-type: none"> - Prepared work safety regulation for each activity - Before execution, workers need to be introduced and explained site safety procedures. <p>Provided medical and first aid facilities together with a person qualified in first aid.</p>						
11) Chance discovery of archaeological and cultural sites	Yes	2	At site and local commune	<p>Chance discoveries will be notified to the SE who will report to the EO. EO informs the Department of Culture-Sport and Tourism to deal with the chance of discoveries.</p>	- Performance	Contractor	Supervision Consultant			
12) Public access to site	Yes	2	-At site	<ul style="list-style-type: none"> -Erect warning signs and barriers around work areas. -Site could only be accessed with permission of contractor. <p>Visitors were warned against site hazards to avoid possible accident</p>	- Performance	Contractor	Supervision Consultant			
13) Community and worker health and safety	Yes	2	At site and camp	<ul style="list-style-type: none"> -Workers have been educated on the social problems. and measures of preventing HIV/AIDS; -Workers in camps are provided, safe water and hygienic bathing and cooking; -Workers have been equipped with labor protecting equipment and wear them during working time. -First aid, medicines are available at site and camps for workers; <p>Dust bins to collect wastes are provided in worker camps;</p>	- Performance	Contractor	Supervision Consultant			
3. Ambient Environment								Approved by:		
Parameters	Date/Location	Measured by	Monitoring Equipment	Result	Standard	% exceed	Required actions	Contractor's responsibility/Comments	Implementing agency	Supervising agency

4. Environmental Incidents During Reporting Period (if any)							Approved by:			
Environmental Incidents (Accidents, spills... complaint)	Date/Location	Report by	Description/Location	Executed actions	Follow-up Required actions	Implementing agency	Supervising agency			
5. Summary of Action required and observed (if any)										
Required actions	Timeframe (e.g in a week)	Responsible Party			Monitoring (to be completed if inspection/monitoring indicates actions are required)					
					Actions implemented:					
Provide suitable latrines as required by ADB	Immediately implemented	Contractor			Supervision Consultant					
Provide dangerous warning signs at storage of fuel	Immediately implemented	Contractor			Supervision Consultant					
					Follow-up action required:					
					Prepared by:					
Monitored by:	Le Anh Duc				Date:					
Signature:					Date: 31 December 2015					
Notes:										

Attachment: (pictures of construction site)			
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[1] Mitigation Effectiveness Rating Criteria (Indicative examples)

1. Very good (meet all requirements)
2. Good (take main measures))
3. Medium (take several measures)
4. Poor (take few measures)
5. Very poor (take very few measures)

SITE ENVIRONMENTAL COMPLIANCE INSPECTION AND MONITORING RECORD AT CONSTRUCTION SITE –CONSTRUCTION OF NOI BAI SUBSTATION

PROJECT: New building 110kV Noi Bai Airport and 110kV line		Implementing agency:		HANOI DPMB			
Component: Package No. ADB-HNPC-NB-W01; No. ADB-HNPC-NB-W02		Supervising agency:		Joint venture Infrastructure Technical & Electricity construction Investment consultancy JSC and Electric power design survey JSC			
Location: Site Office and Work-camp, Construction sites of substation		Contractor:		Power construction JSC No.1			
Date: 31/07/2015		Report Period:		Phase: Construction (01/07/2015-31/07/2015)			
6. Contractor							
Contractor Environmental Awareness		Yes/No		Required actions		Contractor's responsibility/ Comments	
Contractor is aware of mitigation requirements?		Yes		Complying the commitments stated in Bidding document and Contractor's EMP as well		Contractors are requested to prepare EMP and as requirement stated in contract signed with DPMB	
Contractor has a copy of EMP?		Yes		Keep copies of EMP, environment documents, permits in site offices.		Contractor has responsibility of consequences and measures applied by Employer due to the breach of the contract.	
7. Compliance of inspection of mitigation measures							
Impact/Mitigation measures				<u>Approved by: ADB and HANOI DPMB</u>			
(From EMP list all mitigation measures of environmental impacts which need to be completed)	Mitigation taken Yes/No	Mitigation effectiveness (1 to 5)	Impact Observed/ Location	Required actions	Contractor's responsibility/Comments	Implementing agency	Supervising agency
1) Establishment of contractor's facilities (camps, offices, quarries, concrete batching areas etc).	Yes	1	-Sites are located inside the subproject area so that they do not interfere with the welfare or social cohesion of	-Wastewater is preliminary treated by settle chamber before discharging into to surface water bodies. - Contractor's storage facilities have been surrounded by a security fence.	Performance	Contractor	Supervision Consultant

			surrounding communities				
2) Demarcation and clearing of RoW and ancillary facilities	Yes	2	The subproject site is bounded by fence. No clearance of vegetation and other facilities is needed	No clearance of vegetation and other facilities is needed	Performance	Contractor	Supervision Consultant
3) Preparation of site: excavation, removal and disposal of unusable (incompetent) materials	Yes	2	-The excavated area was limited to the area needed for construction only.	Excavated material to be disposed of outside and away from the work area.	Performance	Contractor	Supervision Consultant
4) Dust management	Yes	2	Truck transporting construction material; construction site	The contractor has applied dust control measures: covered truck transporting construction material; made fence surrounding construction site; covered construction material piles ect.	Performance	Contractor	Supervision Consultant
5) Noise and vibration	Yes	2	- The work generating big noise is implemented at daylight hours only.	Noise is managed not to exceed 55dBA at boundary of any residential area between 6hr and 21h00 and 45 dBA between 21h00 and 06h00;	Performance	Contractor	Supervision Consultant
6) Waste water from construction site	Yes	2	Construction site	Preliminarily treated waste water was discharged to water body surrounding the site; - Oil and fuel from machinery was collected and disposed to a regulated site;	Performance	Contractor	Supervision Consultant
7) Prevention of soil erosion on construction site; Disposal of site waste	Yes	2	- No soil erosion occurred - All waste materials were collected and sorted into two categories (i). those that can be recycled and (ii) those that need to go to an approved landfill site for disposal;	All waste materials were collected and sorted into two categories (i). those that can be recycled and (ii) those that need to go to an approved landfill site for disposal;	Performance	Contractor	Supervision Consultant
8) Storage and handling of: fuel and lubricants	Yes	2	- Fuel for all machine work at site.	- All fuel storage areas were securely fenced and provided with oil and water separators.	- Performance	Contractor	Supervision Consultant

			- Fuel fills in transformer.	Fuel hoses and shut off valve to be locked. - Fuel were stored in properly sealed containers. Regularly check its locks to prevent fuel from running over to environment. - All waste oil and oil filters was collected and if possible recycled, otherwise to be disposed of to landfills - The contractor has trained refueling personnel in these procedures. The contractor has developed an accidental spill handling action plan			
9) Community Safety from increased vehicle movements	Yes	2	- All vehicles and loads at site.	- All vehicles were properly maintained and operated in accordance with transportation laws. - All loads were properly secured and fugitive loads to be covered.	- Performance	Contractor	Supervision Consultant
10) Workplace health and safety	Yes	2	- At site	- Contractor has abided: Vietnamese Labor Code as amended 2002 as follow: - Provided workers be with safety working environment - Erect warning signs and barriers around work areas - Not allow drugs or alcohol on-site; - Control noise and dust provided all workers with safety equipment appropriate for the task they are employed. - The workers are to be supplied on-site with: Potable water, sanitary toilet, washing and showering facilities. - Prepared work safety regulation for each activity - Before execution, workers need to be introduced and explained site safety procedures. Provided medical and first aid facilities together with a person qualified in first aid.	- Performance	Contractor	Supervision Consultant
11) Chance discovery of archaeological and cultural	Yes	2	At site and local commune	Chance discoveries will be notified to the SE who will report to the EO. EO informs the	- Performance	Contractor	Supervision Consultant

sites								Department of Culture-Sport and Tourism to deal with the chance of discoveries.			
12) Public access to site	Yes	2	-At site	-Warning signs and barriers around work areas were erected. -Site could only be accessed with permission of contractor. Visitors were warned against site hazards to avoid possible accident	- Performance	Contractor	Supervision Consultant				
13) Community and worker health and safety	Yes	2	At site and camp	-Workers have been educated on the social problems. and measures of preventing HIV/AIDS; -Workers in camps are provided, safe water and hygienic bathing and cooking; -Workers have been equipped with labor protecting equipment and wear them during working time. -First aid, medicines are available at site and camps for workers; Dust bins to collect wastes are provided in worker camps;	- Performance	Contractor	Supervision Consultant				
8. Ambient Environment								Approved by:			
Parameters	Date/Location	Measured by	Monitoring Equipment	Result	Standard	% exceed	Required actions	Contractor's responsibility/Comments	Implementing agency	Supervising agency	
9. Environmental Incidents During Reporting Period (if any)								Approved by:			
Environmental Incidents (Accidents, spills... complaint)	Date/Location	Report by	Description/Location	Executed actions	Follow-up	Required actions	Implementing agency	Supervising agency			
10. Summary of Action required and observed (if any)											
Required actions	Timeframe (e.g in a week)	Responsible Party	Monitoring (to be completed if inspection/monitoring indicates actions are required)								

			Actions implemented:
Provide suitable latrines as required by ADB	Immediately implemented	Contractor	Supervision Consultant
Provide dangerous warning signs at storage of fuel	Immediately implemented	Contractor	Supervision Consultant
			Follow-up action required:
			Prepared by:
Monitored by:	Le Anh Duc		Date:
Signature:			Date: 31 July 2015
Notes:			
Attachment: (pictures of construction site)			

[1] Mitigation Effectiveness Rating Criteria (Indicative examples)

- | | |
|--------------------------------------|---------------------------------------|
| 1. Very good (meet all requirements) | 4. Poor (take few measures) |
| 2. Good (take main measures)) | 5. Very poor (take very few measures) |
| 3. Medium (take several measures) | |

SITE ENVIRONMENTAL COMPLIANCE INSPECTION AND MONITORING RECORD AT CONSTRUCTION SITE –CONSTRUCTION OF NOI BAI SUBSTATION

PROJECT: New building 110kV Noi Bai Airport and 110kV line		Implementing agency: HANOI DPMB					
Component: Package No. ADB-HNPC-NB-W01 No. ADB-HNPC-NB-W02		Supervising agency: Joint venture Infrastructure Technical & Electricity construction Investment consultancy JSC and Electric power design survey JSC					
Location: Site Office and Work-camp, Construction sites of substation		Contractor: Power construction JSC No.1					
Date: 31/08/2015		Phase: Construction (01/08/2015-31/08/2015)					
Report Period:		Phase: Construction (01/08/2015-31/08/2015)					
11. Contractor							
Contractor Environmental Awareness	Yes/No	Required actions	Contractor's responsibility/ Comments				
Contractor is aware of mitigation requirements?	Yes	Complying the commitments stated in Bidding document and Contractor's EMP as well	Contractors are requested to prepare EMP and as requirement stated in contract signed with DPMB				
Contractor has a copy of EMP?	Yes	Keep copies of EMP, environment documents, permits in site offices.	Contractor has responsibility of consequences and measures applied by Employer due to the breach of the contract.				
12. Compliance of inspection of mitigation measures							
Impact/Mitigation measures		<u>Approved by:</u> ADB and HANOI DPMB					
(From EMP list all mitigation measures of environmental impacts which need to be completed)	Mitigation taken Yes/No	Mitigation effectiveness (1 to 5)	Impact Observed/ Location	Required actions	Contractor's responsibility/Comments	Implementing agency	Supervising agency
1) Establishment of contractor's facilities (camps, offices, quarries, concrete batching areas etc).	Yes	1	-Sites are located inside the subproject area so that they do not interfere with the welfare or social cohesion	-Wastewater is preliminary treated by settle chamber before discharging into to surface water bodies. - Contractor's storage facilities have been surrounded by a security fence.	Performance	Contractor	Supervision Consultant

			of surrounding communities				
2) Demarcation and clearing of RoW and ancillary facilities	Yes	2	The subproject site is bounded by fence. No clearance of vegetation and other facilities is needed	No clearance of vegetation and other facilities is needed	Performance	Contractor	Supervision Consultant
3) Preparation of site: excavation, removal and disposal of unusable (incompetent) materials	Yes	2	-The excavated area was limited to the area needed for construction only.	Excavated material to be disposed of outside and away from the work area.	Performance	Contractor	Supervision Consultant
4) Dust management	Yes	2	Truck transporting construction material; construction site	The contractor has applied dust control measures: covered truck transporting construction material; made fence surrounding construction site; covered construction material piles ect.	Performance	Contractor	Supervision Consultant
5) Noise and vibration	Yes	2	- The work generating big noise is implemented at daylight hours only.	Noise is managed not to exceed 55dBA at boundary of any residential area between 6hr and 21h00 and 45 dBA between 21h00 and 06h00;	Performance	Contractor	Supervision Consultant
6) Waste water from construction site	Yes	2	Construction site	Preliminarily treated waste water was discharged to water body surrounding the site; - Oil and fuel from machinery was collected and disposed to a regulated site;	Performance	Contractor	Supervision Consultant
7) Prevention of soil erosion on construction	Yes	2	- No soil erosion occurred	All waste materials were collected and sorted into two categories (i).	Performance	Contractor	Supervision Consultant

site; Disposal of site waste			- All waste materials were collected and sorted into two categories (i). those that can be recycled and (ii) those that need to go to an approved landfill site for disposal;	those that can be recycled and (ii) those that need to go to an approved landfill site for disposal;			
8) Storage and handling of: fuel and lubricants	Yes	2	-Fuel for all machine work at site. -Fuel fills in transformer.	-All fuel storage areas were securely fenced and provided with oil and water separators. Fuel hoses and shut off valve to be locked. -Fuel were stored in properly sealed containers. Regularly check its locks to prevent fuel from running over to environment. -All waste oil and oil filters was collected and if possible recycled, otherwise to be disposed of to landfills -The contractor has trained refueling personnel in these procedures. The contractor has developed an accidental spill handling action plan	- Performance	Contractor	Supervision Consultant
9) Community Safety from increased vehicle movements	Yes	2	- All vehicles and loads at site.	All vehicles were properly maintained and operated in accordance with transportation laws. - All loads were properly secured and fugitive loads to be covered.	- Performance	Contractor	Supervision Consultant
10) Workplace health and safety		2		Contractor has abided: Vietnamese Labor Code as amended 2002 as follow: Provided workers be with safety working environment Erect warning signs and barriers	- Performance	Contractor	Supervision Consultant

	Yes		- At site	<p>around work areas Not allow drugs or alcohol on-site; Control noise and dust provided all workers with safety equipment appropriate for the task they are employed. The workers are to be supplied on-site with: Potable water, sanitary toilet, washing and showering facilities. Prepared work safety regulation for each activity Before execution, workers need to be introduced and explained site safety procedures. Provided medical and first aid facilities together with a person qualified in first aid.</p>			
11) Chance discovery of archaeological and cultural sites	Yes	2	At site and local commune	<p>Chance discoveries will be notified to the SE who will report to the EO. EO informs the Department of Culture-Sport and Tourism to deal with the chance of discoveries.</p>	- Performance	Contractor	Supervision Consultant
12) Public access to site	Yes	2	-At site	<p>-Warning signs and barriers around work areas were erected. -Site could only be accessed with permission of contractor. Visitors were warned against site hazards to avoid possible accident</p>	- Performance	Contractor	Supervision Consultant
13) Community and worker health and safety	Yes	2	At site and camp	<p>-Workers have been educated on the social problems. and measures of preventing HIV/AIDS; -Workers in camps are provided, safe water and hygienic bathing and cooking; -Workers have been equipped with labor protecting equipment and wear them during working time. -First aid, medicines are available at</p>	- Performance	Contractor	Supervision Consultant

							site and camps for workers; Dust bins to collect wastes are provided in worker camps;			
13. Ambient Environment								Approved by:		
Parameters	Date/Location	Measured by	Monitoring Equipment	Result	Standard	% exceed	Required actions	Contractor's responsibility/Comments	Implementing agency	Supervising agency
14. Environmental Incidents During Reporting Period (if any)								Approved by:		
Environmental Incidents (Accidents, spills... complaint)	Date/Location	Report by	Description/Location	Executed actions	Follow-up Required actions	Implementing agency	Supervising agency			
15. Summary of Action required and observed (if any)										
Required actions	Timeframe (e.g in a week)	Responsible Party	Monitoring (to be completed if inspection/monitoring indicates actions are required)							
			Actions implemented:							
			Follow-up action required:							
			Prepared by:							
Monitored by:	Le Anh Duc		Date:							

Signature:			Date: 31 August 2015
Notes:			
Attachment: (pictures of construction site)			

[1] Mitigation Effectiveness Rating Criteria (Indicative examples)

- | | |
|--------------------------------------|---------------------------------------|
| 1. Very good (meet all requirements) | 4. Poor (take few measures) |
| 2. Good (take main measures)) | 5. Very poor (take very few measures) |
| 3. Medium (take several measures) | |

SITE ENVIRONMENTAL COMPLIANCE INSPECTION AND MONITORING RECORD AT CONSTRUCTION SITE –CONSTRUCTION OF NOI BAI SUBSTATION

PROJECT: New building 110kV Noi Bai Airport and 110kV line		Implementing agency: HANOI DPMB					
Component: Package No. ADB-HNPC-NB-W01 No. ADB-HNPC-NB-W02		Supervising agency: Joint venture Infrastructure Technical & Electricity construction Investment consultance JSC and Electric power design survey JSC					
Location: Site Office and Work-camp, Construction sites of substation		Contractor: Power construction JSC No.1					
Date: 30/09/2015		Phase: Construction (01/09/2015-30/09/2015)					
Report Period:		Phase: Construction (01/09/2015-30/09/2015)					
16. Contractor							
Contractor Environmental Awareness	Yes/No	Required actions	Contractor's responsibility/ Comments				
Contractor is aware of mitigation requirements?	Yes	Complying the commitments stated in Bidding document and Contractor's EMP as well	Contractors are requested to prepare EMP and as requirement stated in contract signed with DPMB				
Contractor has a copy of EMP?	Yes	Keep copies of EMP, environment documents, permits in site offices.	Contractor has responsibility of consequences and measures applied by Employer due to the breach of the contract.				
17. Compliance of inspection of mitigation measures							
Impact/Mitigation measures		<u>Approved by:</u> ADB and HANOI DPMB					
(From EMP list all mitigation measures of environmental impacts which need to be completed)	Mitigation taken Yes/No	Mitigation effectiveness (1 to 5)	Impact Observed/ Location	Required actions	Contractor's responsibility/Comments	Implementing agency	Supervising agency
1) Establishment of contractor's facilities (camps, offices, quarries, concrete batching areas etc).	Yes	1	-Sites are located inside the subproject area so that they do not interfere with the welfare or social cohesion	-Wastewater is preliminary treated by settle chamber before discharging into to surface water bodies. - Contractor's storage facilities have been surrounded by a security fence.	Performance	Contractor	Supervision Consultant

			of surrounding communities				
2) Demarcation and clearing of RoW and ancillary facilities	Yes	2	The subproject site is bounded by fence. No clearance of vegetation and other facilities is needed	No clearance of vegetation and other facilities is needed	Performance	Contractor	Supervision Consultant
3) Preparation of site: excavation, removal and disposal of unusable (incompetent) materials	Yes	2	-The excavated area was limited to the area needed for construction only.	Excavated material to be disposed of outside and away from the work area.	Performance	Contractor	Supervision Consultant
4) Dust management	Yes	2	Truck transporting construction material; construction site	The contractor has applied dust control measures: covered truck transporting construction material; made fence surrounding construction site; covered construction material piles ect.	Performance	Contractor	Supervision Consultant
5) Noise and vibration	Yes	2	- The work generating big noise is implemented at daylight hours only.	Noise is managed not to exceed 55dBA at boundary of any residential area between 6hr and 21h00 and 45 dBA between 21h00 and 06h00;	Performance	Contractor	Supervision Consultant
6) Waste water from construction site	Yes	2	Construction site	Preliminarily treated waste water was discharged to water body surrounding the site; - Oil and fuel from machinery was collected and disposed to a regulated site;	Performance	Contractor	Supervision Consultant
7) Prevention of soil erosion on construction	Yes	2	- No soil erosion occurred	All waste materials were collected and sorted into two categories (i).	Performance	Contractor	Supervision Consultant

site; Disposal of site waste			- All waste materials were collected and sorted into two categories (i). those that can be recycled and (ii) those that need to go to an approved landfill site for disposal;	those that can be recycled and (ii) those that need to go to an approved landfill site for disposal;			
8) Storage and handling of: fuel and lubricants	Yes	2	- Fuel for all machine work at site. - Fuel fills in transformer.	- All fuel storage areas were securely fenced and provided with oil and water separators. Fuel hoses and shut off valve to be locked. - Fuel were stored in properly sealed containers. Regularly check its locks to prevent fuel from running over to environment. - All waste oil and oil filters was collected and if possible recycled, otherwise to be disposed of to landfills - The contractor has trained refueling personnel in these procedures. The contractor has developed an accidental spill handling action plan	- Performance	Contractor	Supervision Consultant
9) Community Safety from increased vehicle movements	Yes	2	- All vehicles and loads at site.	- All vehicles were properly maintained and operated in accordance with transportation laws. - All loads were properly secured and fugitive loads to be covered.	- Performance	Contractor	Supervision Consultant
10) Workplace health and safety		2		Contractor has abided: Vietnamese Labor Code as amended 2002 as	- Performance	Contractor	Supervision Consultant

	Yes		- At site	<p>follow: Provided workers be with safety working environment Erect warning signs and barriers around work areas Not allow drugs or alcohol on-site; Control noise and dust provided all workers with safety equipment appropriate for the task they are employed. The workers are to be supplied on-site with: Potable water, sanitary toilet, washing and showering facilities. Prepared work safety regulation for each activity Before execution, workers need to be introduced and explained site safety procedures. Provided medical and first aid facilities together with a person qualified in first aid.</p>			
11) Chance discovery of archaeological and cultural sites	Yes	2	At site and local commune	Chance discoveries will be notified to the SE who will report to the EO. EO informs the Department of Culture-Sport and Tourism to deal with the chance of discoveries.	- Performance	Contractor	Supervision Consultant
12) Public access to site	Yes	2	-At site	<p>-Warning signs and barriers around work areas were erected. -Site could only be accessed with permission of contractor. Visitors were warned against site hazards to avoid possible accident</p>	- Performance	Contractor	Supervision Consultant
13) Community and worker health and safety	Yes	2	At site and camp	<p>-Workers have been educated on the social problems. and measures of preventing HIV/AIDS; -Workers in camps are provided, safe water and hygienic bathing and cooking; -Workers have been equipped with</p>	- Performance	Contractor	Supervision Consultant

							labor protecting equipment and wear them during working time. -First aid, medicines are available at site and camps for workers; Dust bins to collect wastes are provided in worker camps;			
18. Ambient Environment								Approved by:		
Parameters	Date/Location	Measured by	Monitoring Equipment	Result	Standard	% exceed	Required actions	Contractor's responsibility/Comments	Implementing agency	Supervising agency
19. Environmental Incidents During Reporting Period (if any)								Approved by:		
Environmental Incidents (Accidents, spills... complaint)	Date/Location	Report by	Description/Location	Executed actions	Follow-up Required actions	Implementing agency	Supervising agency			
20. Summary of Action required and observed (if any)										
Required actions	Timeframe (e.g in a week)	Responsible Party	Monitoring (to be completed if inspection/monitoring indicates actions are required)							
			Actions implemented:							
			Follow-up action required:							

			Prepared by:
Monitored by:	Le Anh Duc		Date:
Signature:			Date: 30 September 2015
Notes:			
Attachment: (pictures of construction site)			

[1] Mitigation Effectiveness Rating Criteria (Indicative examples)

- | | |
|--------------------------------------|---------------------------------------|
| 1. Very good (meet all requirements) | 4. Poor (take few measures) |
| 2. Good (take main measures)) | 5. Very poor (take very few measures) |
| 3. Medium (take several measures) | |

SITE ENVIRONMENTAL COMPLIANCE INSPECTION AND MONITORING RECORD AT CONSTRUCTION SITE –CONSTRUCTION OF NOI BAI SUBSTATION

PROJECT: New building 110kV Noi Bai Airport and 110kV line		Implementing agency: HANOI DPMB					
Component: Package No. ADB-HNPC-NB-W01 No. ADB-HNPC-NB-W02		Supervising agency: Joint venture Infrastructure Technical & Electricity construction Investment consultancy JSC and Electric power design survey JSC					
Location: Site Office and Work-camp, Construction sites of substation		Contractor: Power construction JSC No.1					
Date: 31/10/2015		Phase: Construction (01/10/2015-31/10/2015)					
Report Period:		Phase: Construction (01/10/2015-31/10/2015)					
21. Contractor							
Contractor Environmental Awareness	Yes/No	Required actions	Contractor's responsibility/ Comments				
Contractor is aware of mitigation requirements?	Yes	Complying the commitments stated in Bidding document and Contractor's EMP as well	Contractors are requested to prepare EMP and as requirement stated in contract signed with DPMB				
Contractor has a copy of EMP?	Yes	Keep copies of EMP, environment documents, permits in site offices.	Contractor has responsibility of consequences and measures applied by Employer due to the breach of the contract.				
22. Compliance of inspection of mitigation measures							
Impact/Mitigation measures		<u>Approved by:</u> ADB and HANOI DPMB					
(From EMP list all mitigation measures of environmental impacts which need to be completed)	Mitigation taken Yes/No	Mitigation effectiveness (1 to 5)	Impact Observed/ Location	Required actions	Contractor's responsibility/Comments	Implementing agency	Supervising agency
1) Establishment of contractor's facilities (camps, offices, quarries, concrete batching areas etc).	Yes	1	-Sites are located inside the subproject area so that they do not interfere with the welfare or social cohesion of	-Wastewater is preliminary treated by settle chamber before discharging into to surface water bodies. - Contractor's	Performance	Contractor	Supervision Consultant

			surrounding communities	storage facilities have been surrounded by a security fence.			
2) Demarcation and clearing of RoW and ancillary facilities	Yes	2	The subproject site is bounded by fence. No clearance of vegetation and other facilities is needed	No clearance of vegetation and other facilities is needed	Performance	Contractor	Supervision Consultant
3) Preparation of site: excavation, removal and disposal of unusable (incompetent) materials	Yes	2	-The excavated area was limited to the area needed for construction only.	Excavated material to be disposed of outside and away from the work area.	Performance	Contractor	Supervision Consultant
4) Dust management	Yes	2	Truck transporting construction material; construction site	The contractor has applied dust control measures: covered truck transporting construction material; made fence surrounding construction site; covered construction material piles ect.	Performance	Contractor	Supervision Consultant
5) Noise and vibration	Yes	2	- The work generating big noise is implemented at daylight hours only.	Noise is managed not to exceed 55dBA at boundary of any residential area between 6hr and 21h00 and 45 dBA between 21h00 and 06h00;	Performance	Contractor	Supervision Consultant
6) Waste water from construction site	Yes	2	Construction site	Preliminarily treated waste water was discharged to water body surrounding the site; - Oil and fuel from	Performance	Contractor	Supervision Consultant

				machinery was collected and disposed to a regulated site;			
7) Prevention of soil erosion on construction site; Disposal of site waste	Yes	2	<ul style="list-style-type: none"> - No soil erosion occurred - All waste materials were collected and sorted into two categories (i). those that can be recycled and (ii) those that need to go to an approved landfill site for disposal; 	All waste materials were collected and sorted into two categories (i). those that can be recycled and (ii) those that need to go to an approved landfill site for disposal;	Performance	Contractor	Supervision Consultant
8) Storage and handling of: fuel and lubricants	Yes	2	<ul style="list-style-type: none"> - Fuel for all machine work at site. - Fuel fills in transformer. 	<ul style="list-style-type: none"> - All fuel storage areas were securely fenced and provided with oil and water separators. Fuel hoses and shut off valve to be locked. - Fuel were stored in properly sealed containers. Regularly check its locks to prevent fuel from running over to environment. - All waste oil and oil filters was collected and if possible recycled, otherwise to be 	- Performance	Contractor	Supervision Consultant

				disposed of to landfills -The contractor has trained refueling personnel in these procedures. The contractor has developed an accidental spill handling action plan			
9) Community Safety from increased vehicle movements	Yes	2	- All vehicles and loads at site.	- All vehicles were properly maintained and operated in accordance with transportation laws. - All loads were properly secured and fugitive loads to be covered.	- Performance	Contractor	Supervision Consultant
10) Workplace health and safety	Yes	2	- At site	- Contractor has abided: Vietnamese Labor Code as amended 2002 as follow: - Provided workers be with safety working environment - Erect warning signs and barriers around work areas - Not allow drugs or	- Performance	Contractor	Supervision Consultant

				<p>alcohol on-site;</p> <ul style="list-style-type: none"> - Control noise and dust provided all workers with safety equipment appropriate for the task they are employed. - The workers are to be supplied on-site with: Potable water, sanitary toilet, washing and showering facilities. - Prepared work safety regulation for each activity - Before execution, workers need to be introduced and explained site safety procedures. <p>Provided medical and first aid facilities together with a person qualified in first aid.</p>			
11) Chance discovery of archaeological and cultural sites	Yes	2	At site and local commune	<p>Chance discoveries will be notified to the SE who will report to the EO. EO informs the Department of Culture-Sport and Tourism to deal with</p>	- Performance	Contractor	Supervision Consultant

				the chance of discoveries.			
12) Public access to site	Yes	2	-At site	<ul style="list-style-type: none"> -Warning signs and barriers around work areas were erected. -Site could only be accessed with permission of contractor. Visitors were warned against site hazards to avoid possible accident 	- Performance	Contractor	Supervision Consultant
13) Community and worker health and safety	Yes	2	At site and camp	<ul style="list-style-type: none"> -Workers have been educated on the social problems. and measures of preventing HIV/AIDS; -Workers in camps are provided, safe water and hygienic bathing and cooking; -Workers have been equipped with labor protecting equipment and wear them during working time. -First aid, medicines are available at site and camps for workers; Dust bins to collect wastes are provided in worker camps; 	- Performance	Contractor	Supervision Consultant
23. Ambient Environment					Approved by:		

Parameters	Date/Location	Measured by	Monitoring Equipment	Result	Standard	% exceed	Required actions	Contractor's responsibility/Comments	Implementing agency	Supervising agency
24. Environmental Incidents During Reporting Period (if any)								Approved by:		
Environmental Incidents (Accidents, spills... complaint)		Date/Location		Report by	Description/Location	Executed actions	Follow-up Required actions	Implementing agency	Supervising agency	
25. Summary of Action required and observed (if any)										
Required actions			Timeframe (e.g in a week)		Responsible Party			Monitoring (to be completed if inspection/monitoring indicates actions are required)		
								Actions implemented:		
								Follow-up action required:		
								Prepared by:		
Monitored by:		Le Anh Duc						Date:		
Signature:								Date: 31 October 2015		
Notes:										

Attachment: (pictures of construction site)			
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[1] Mitigation Effectiveness Rating Criteria (Indicative examples)

1. Very good (meet all requirements)
2. Good (take main measures))
3. Medium (take several measures)
4. Poor (take few measures)
5. Very poor (take very few measures)

SITE ENVIRONMENTAL COMPLIANCE INSPECTION AND MONITORING RECORD AT CONSTRUCTION SITE –CONSTRUCTION OF NOI BAI SUBSTATION

PROJECT: New building 110kV Noi Bai Airport and 110kV line		Implementing agency: HANOI DPMB					
Component: Package No. ADB-HNPC-NB-W01 No. ADB-HNPC-NB-W02		Supervising agency: Joint venture Infrastructure Technical & Electricity construction Investment consultancy JSC and Electric power design survey JSC					
Location: Site Office and Work-camp, Construction sites of substation		Contractor: Power construction JSC No.1					
Date: 30/11/2015		Phase: Construction (01/11/2015-30/11/2015)					
Report Period:		Construction (01/11/2015-30/11/2015)					
26. Contractor							
Contractor Environmental Awareness	Yes/No	Required actions	Contractor's responsibility/ Comments				
Contractor is aware of mitigation requirements?	Yes	Complying the commitments stated in Bidding document and Contractor's EMP as well	Contractors are requested to prepare EMP and as requirement stated in contract signed with DPMB				
Contractor has a copy of EMP?	Yes	Keep copies of EMP, environment documents, permits in site offices.	Contractor has responsibility of consequences and measures applied by Employer due to the breach of the contract.				
27. Compliance of inspection of mitigation measures							
Impact/Mitigation measures		<u>Approved by:</u> ADB and HANOI DPMB					
(From EMP list all mitigation measures of environmental impacts which need to be completed)	Mitigation taken Yes/No	Mitigation effectiveness (1 to 5)	Impact Observed/ Location	Required actions	Contractor's responsibility/ Comments	Implementing agency	Supervising agency
1) Establishment of contractor's facilities (camps, offices, quarries, concrete batching areas etc).	Yes	1	-Sites are located inside the subproject area so that they do not interfere with the welfare or social	-Wastewater is preliminary treated by settle chamber before discharging into to surface water bodies. - Contractor's storage facilities have been surrounded by a	Performance	Contractor	Supervision Consultant

			cohesion of surrounding communities	security fence.			
2) Demarcation and clearing of RoW and ancillary facilities	Yes	2	The subproject site is bounded by fence. No clearance of vegetation and other facilities is needed	No clearance of vegetation and other facilities is needed	Performance	Contractor	Supervision Consultant
3) Preparation of site: excavation, removal and disposal of unusable (incompetent) materials	Yes	2	-The excavated area was limited to the area needed for construction only.	Excavated material to be disposed of outside and away from the work area.	Performance	Contractor	Supervision Consultant
4) Dust management	Yes	2	Truck transporting construction material; construction site	The contractor has applied dust control measures: covered truck transporting construction material; made fence surrounding construction site; covered construction material piles ect.	Performance	Contractor	Supervision Consultant
5) Noise and vibration	Yes	2	- The work generating big noise is implemented at daylight hours only.	Noise is managed not to exceed 55dBA at boundary of any residential area between 6hr and 21h00 and 45 dBA between 21h00 and 06h00;	Performance	Contractor	Supervision Consultant
6) Waste water from construction site	Yes	2	Construction site	Preliminarily treated waste water was discharged to water body surrounding the site; - Oil and fuel from machinery was collected and disposed to a regulated site;	Performance	Contractor	Supervision Consultant
7) Prevention of soil erosion on construction site; Disposal of site waste	Yes	2	- No soil erosion occurred - All waste materials were collected	All waste materials were collected and sorted into two categories (i). those that can be recycled and (ii) those that	Performance	Contractor	Supervision Consultant

			and sorted into two categories (i). those that can be recycled and (ii) those that need to go to an approved landfill site for disposal;	need to go to an approved landfill site for disposal;			
8) Storage and handling of: fuel and lubricants	Yes	2	<ul style="list-style-type: none"> - Fuel for all machine work at site. - Fuel fills in transformer. 	<ul style="list-style-type: none"> - All fuel storage areas were securely fenced and provided with oil and water separators. Fuel hoses and shut off valve to be locked. - Fuel were stored in properly sealed containers. Regularly check its locks to prevent fuel from running over to environment. - All waste oil and oil filters was collected and if possible recycled, otherwise to be disposed of to landfills - The contractor has trained refueling personnel in these procedures. The contractor has developed an accidental spill handling action plan 	- Performance	Contractor	Supervision Consultant
9) Community Safety from increased vehicle movements	Yes	2	<ul style="list-style-type: none"> - All vehicles and loads at site. 	<ul style="list-style-type: none"> - All vehicles were properly maintained and operated in accordance with transportation laws. - All loads were properly secured and fugitive loads to be covered. 	- Performance	Contractor	Supervision Consultant
10) Workplace health and safety		2		<ul style="list-style-type: none"> - Contractor has abided: Vietnamese Labor Code as amended 2002 as follow: 	- Performance	Contractor	Supervision Consultant

	Yes		- At site	<ul style="list-style-type: none"> - Provided workers be with safety working environment - Erect warning signs and barriers around work areas - Not allow drugs or alcohol on-site; - Control noise and dust provided all workers with safety equipment appropriate for the task they are employed. - The workers are to be supplied on-site with: Potable water, sanitary toilet, washing and showering facilities. - Prepared work safety regulation for each activity - Before execution, workers need to be introduced and explained site safety procedures. <p>Provided medical and first aid facilities together with a person qualified in first aid.</p>			
11) Chance discovery of archaeological and cultural sites	Yes	2	At site and local commune	<p>Chance discoveries will be notified to the SE who will report to the EO. EO informs the Department of Culture-Sport and Tourism to deal with the chance of discoveries.</p>	- Performance	Contractor	Supervision Consultant
12) Public access to site	Yes	2	-At site	<ul style="list-style-type: none"> -Warning signs and barriers around work areas were erected. -Site could only be accessed with permission of contractor. <p>Visitors were warned against site hazards to avoid possible accident</p>	- Performance	Contractor	Supervision Consultant

13) Community and worker health and safety	Yes	2	At site and camp	-Workers have been educated on the social problems. and measures of preventing HIV/AIDS; -Workers in camps are provided, safe water and hygienic bathing and cooking; -Workers have been equipped with labor protecting equipment and wear them during working time. -First aid, medicines are available at site and camps for workers; Dust bins to collect wastes are provided in worker camps;	- Performance	Contractor	Supervision Consultant			
28. Ambient Environment				Approved by:						
Parameters	Date/Location	Measured by	Monitoring Equipment	Result	Standard	% exceed	Required actions	Contractor's responsibility/Comments	Implementing agency	Supervising agency
29. Environmental Incidents During Reporting Period (if any)				Approved by:						
Environmental Incidents (Accidents, spills... complaint)	Date/Location	Report by	Description/Location	Executed actions	Follow-up Required actions	Implementing agency	Supervising agency			
30. Summary of Action required and observed (if any)										
Required actions	Timeframe (e.g in a week)	Responsible Party	Monitoring (to be completed if inspection/monitoring indicates actions are required)							

			Actions implemented:
			Follow-up action required:
			Prepared by:
Monitored by:	Le Anh Duc		Date:
Signature:			Date: 30 November 2015
Notes:			
Attachment: (pictures of construction site)			

[1] Mitigation Effectiveness Rating Criteria (Indicative examples)

- | | |
|--------------------------------------|---------------------------------------|
| 1. Very good (meet all requirements) | 4. Poor (take few measures) |
| 2. Good (take main measures)) | 5. Very poor (take very few measures) |
| 3. Medium (take several measures) | |

SITE ENVIRONMENTAL COMPLIANCE INSPECTION AND MONITORING RECORD AT CONSTRUCTION SITE –CONSTRUCTION OF NOI BAI SUBSTATION

PROJECT: New building 110kV Noi Bai Airport and 110kV line		Implementing agency:		HANOI DPMB			
Component: Package No. ADB-HNPC-NB-W01 No. ADB-HNPC-NB-W02		Supervising agency:		Joint venture Infrastructure Technical & Electricity construction Investment consultancy JSC and Electric power design survey JSC			
Location: Site Office and Work-camp, Construction sites of substation		Contractor:		Power construction JSC No.1			
Date: 31/12/2015		Report Period:		Phase: Construction (01/12/2015-31/12/2015)			
31. Contractor							
Contractor Environmental Awareness		Yes/No		Required actions		Contractor's responsibility/ Comments	
Contractor is aware of mitigation requirements?		Yes		Complying the commitments stated in Bidding document and Contractor's EMP as well		Contractors are requested to prepare EMP and as requirement stated in contract signed with DPMB	
Contractor has a copy of EMP?		Yes		Keep copies of EMP, environment documents, permits in site offices.		Contractor has responsibility of consequences and measures applied by Employer due to the breach of the contract.	
32. Compliance of inspection of mitigation measures							
Impact/Mitigation measures				<u>Approved by:</u> ADB and HANOI DPMB			
(From EMP list all mitigation measures of environmental impacts which need to be completed)	Mitigation taken Yes/No	Mitigation effectiveness (1 to 5)	Impact Location	Observed/ Required actions	Contractor's responsibility/ Comments	Implementing agency	Supervising agency
1) Establishment of contractor's facilities (camps, offices, quarries, concrete	Yes	1	-Sites are located inside the subproject area so that they do not interfere with the	-Wastewater is preliminary treated by settle chamber before discharging into to surface water bodies. - Contractor's storage facilities have	Performance	Contractor	Supervision Consultant

batching areas etc).			welfare or social cohesion of surrounding communities	been surrounded by a security fence.			
2) Demarcation and clearing of RoW and ancillary facilities	Yes	2	The subproject site is bounded by fence. No clearance of vegetation and other facilities is needed	No clearance of vegetation and other facilities is needed	Performance	Contractor	Supervision Consultant
3) Preparation of site: excavation, removal and disposal of unusable (incompetent) materials	Yes	2	-The excavated area was limited to the area needed for construction only.	Excavated material to be disposed of outside and away from the work area.	Performance	Contractor	Supervision Consultant
4) Dust management	Yes	2	Truck transporting construction material; construction site	The contractor has applied dust control measures: covered truck transporting construction material; made fence surrounding construction site; covered construction material piles ect.	Performance	Contractor	Supervision Consultant
5) Noise and vibration	Yes	2	The work generating big noise is implemented at daylight hours only.	Noise is managed not to exceed 55dBA at boundary of any residential area between 6hr and 21h00 and 45 dBA between 21h00 and 06h00;	Performance	Contractor	Supervision Consultant
6) Waste water from construction site	Yes	2	Construction site	Preliminarily treated waste water was discharged to water body surrounding the site; - Oil and fuel from machinery was collected and disposed to a regulated site;	Performance	Contractor	Supervision Consultant
7) Prevention of soil erosion on construction site; Disposal of site waste	Yes	2	- No soil erosion occurred - All waste materials were collected and sorted into two categories (i). those that can be recycled and (ii) those that need to go to an	All waste materials were collected and sorted into two categories (i). those that can be recycled and (ii) those that need to go to an approved landfill site for disposal;	Performance	Contractor	Supervision Consultant

			approved landfill site for disposal;				
8) Storage and handling of: fuel and lubricants	Yes	2	- Fuel for all machine work at site. - Fuel fills in transformer.	- All fuel storage areas were securely fenced and provided with oil and water separators. Fuel hoses and shut off valve to be locked. - Fuel were stored in properly sealed containers. Regularly check its locks to prevent fuel from running over to environment. - All waste oil and oil filters was collected and if possible recycled, otherwise to be disposed of to landfills - The contractor has trained refueling personnel in these procedures. The contractor has developed an accidental spill handling action plan	- Performance	Contractor	Supervision Consultant
9) Community Safety from increased vehicle movements	Yes	2	All vehicles and loads at site.	- All vehicles were properly maintained and operated in accordance with transportation laws. - All loads were properly secured and fugitive loads to be covered.	- Performance	Contractor	Supervision Consultant
10) Workplace health and safety	Yes	2	- At site	- Contractor has abided: Vietnamese Labor Code as amended 2002 as follow: - Provided workers be with safety working environment - Erect warning signs and barriers around work areas - Not allow drugs or alcohol on-site; - Control noise and dust provided all workers with safety equipment appropriate for the task they are employed. - The workers are to be supplied on-site with: Potable water, sanitary toilet, washing and showering facilities. - Prepared work safety	- Performance	Contractor	Supervision Consultant

							regulation for each activity - Before execution, workers need to be introduced and explained site safety procedures. Provided medical and first aid facilities together with a person qualified in first aid.			
11) Chance discovery of archaeological and cultural sites	Yes	2	At site and local commune				Chance discoveries will be notified to the SE who will report to the EO. EO informs the Department of Culture-Sport and Tourism to deal with the chance of discoveries.	- Performance	Contractor	Supervision Consultant
12) Public access to site	Yes	2	-At site				-Warning signs and barriers around work areas were erected. -Site could only be accessed with permission of contractor. Visitors were warned against site hazards to avoid possible accident	- Performance	Contractor	Supervision Consultant
13) Community and worker health and safety	Yes	2	At site and camp				-Workers have been educated on the social problems. and measures of preventing HIV/AIDS; -Workers in camps are provided, safe water and hygienic bathing and cooking; -Workers have been equipped with labor protecting equipment and wear them during working time. -First aid, medicines are available at site and camps for workers; Dust bins to collect wastes are provided in worker camps;	- Performance	Contractor	Supervision Consultant
33. Ambient Environment								Approved by:		
Parameters	Date/Location	Measured by	Monitoring Equipment	Result	Standard	% exceed	Required actions	Contractor's responsibility/Comments	Implementing agency	Supervising agency
34. Environmental Incidents During Reporting Period (if any)								Approved by:		

Environmental Incidents (Accidents, spills... complaint)	Date/Location	Report by	Description/Location	Executed actions	Follow-up Required actions	Implementing agency	Supervising agency
35. Summary of Action required and observed (if any)							
Required actions	Timeframe (e.g in a week)	Responsible Party			Monitoring (to be completed if inspection/monitoring indicates actions are required)		
					Actions implemented:		
					Follow-up action required:		
					Prepared by:		
Monitored by:	Le Anh Duc				Date:		
Signature:					Date: 31 December 2015		
Notes:							
Attachment: (pictures of construction site)							

[1] Mitigation Effectiveness Rating Criteria (Indicative examples)

1. Very good (meet all requirements)

4. Poor (take few measures)

2. Good (take main measures))
3. Medium (take several measures)

5. Very poor (take very few measures)