Environmental and Social Monitoring Report

Semi-Annual Report January 2017

Viet Nam: Central Regions Rural Water Supply and Sanitation Sector Project

WATER SUPPLY AND SANITATION OF THIEU DO COMMUNE THIEU HOA DISTRICT - THANH HOA PROVINCE

Prepared by The Joint Venture of CDM International Inc., Nippon Koei Co. Ltd. and Vinaconsult JSC for the Asian Development Bank.

CURRENCY EQUIVALENTS

(as of 2 December 2016)

Currency unit - dong (VND) VND1.00 = \$0000440 \$1.00 = VND22714

ABBREVIATIONS

ADB – Asian Development Bank AHs – affected households APs – Affected Persons

CARC – Compensation Assistance Resettlement Committee
CSC – Design-Build Construction Supervision Consultant

CPC – Commune People's Committee
CPMU – Central Project Management Unit
CVWU – Communal Vietnam Women's Union

D&B – Design and Build

DARD – Department of Agriculture and Rural Development, Provincial DONRE – Department of Natural Resources and Environment, Provincial

DPC – District People's Committee

EARF – Environmental Assessment and Review Framework

EC – Environmental Protection Commitment
EMP – Environmental Management Plan
EMOP – Environmental Monitoring Plan

EO – Environmental Officer
FS – Feasibility Study
GoV – Government of Vietnam

HHs – Households

IEE – Initial Environmental Examination

LARC – Land Acquisition and Resettlement Completion Report

LARP – Land Acquisition and Resettlement Plan

lpcd – Litters per capita per day

MARD - Ministry of Agriculture and Rural Development

MOH – Ministry of Health (BYT)

MONRE – Ministry of Natural Resources and Environment (BTNMT)

MOU – Memorandum of Understanding

NCERWASS – National Centre for Rural Water Supply and Environmental Sanitation

NGO – Non-governmental Organization

NOL – No Objection Letter

O&M - Operation and Maintenance
ODA - Official Development Assistance
OHS - Occupational Health and Safety

OU – Operational Unit

PCERWASS - Provincial Centre for Rural Water Supply and Environmental Sanitation

PIA - Project Implementation Assistance
PPC - Provincial People's Committee
PPMU - Provincial Project Management Unit
PVWU - Provincial Vietnam Women's Union
REA - Rapid Environmental Assessment

SAR – Subproject Appraisal Report

SIEE – Summary Initial Environmental Examination

SSO – Subproject Site Office

VND - Vietnam Dong

VWU – Vietnam Women's Union

WSCC – Water and Sanitation Commune Committee

WTP – Water Treatment Plant

NOTE

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

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MINISTRY OF AGRICULTURE AND RURAL DEVELOPMENT

NATIONAL CENTRE FOR RURAL WATER SUPPLY AND ENVIRONMENTAL SANITATION

CENTRAL REGION RURAL WATER SUPPLY AND SANITATION SECTOR PROJECT

{ADB Loan No. 2609-VIE (SF)}

Safeguards Monitoring Report July - December 2016

WATER SUPPLY AND SANITATION OF
THIEU DO COMMUNE
THIEU HOA DISTRICT - THANH HOA PROVINCE

Consulting Services
For
Project Implementation Assistance

The Joint Venture of CDM International Inc., Nippon Koei Co. Ltd. and Vinaconsult JSC

CENTRAL REGION RURAL WATER SUPPLY AND SANITATION SECTOR PROJECT

{ADB Loan No. 2609-VIE (SF)}

Safeguards Monitoring Report July - December 2016

WATER SUPPLY AND SANITATION OF THIEU DO COMMUNE THIEU HOA DISTRICT - THANH HOA PROVINCE

PIA Consultant	CPMU
Nguyen Cong Thanh	Luong Van Anh

This report has been prepared based on a combination of information provided by others and by the PIA Consultant. The PIA Consultant has to the extent reasonably possible validated and verified the accuracy of the information in the reports and appendices. To the best of the PIA Consultant's believe and knowledge, the included information is reasonably accurate and correct.

The Joint Venture of CDM International Inc., Nippon Koei Co. Ltd. and Vinaconsult JSC

December 2016

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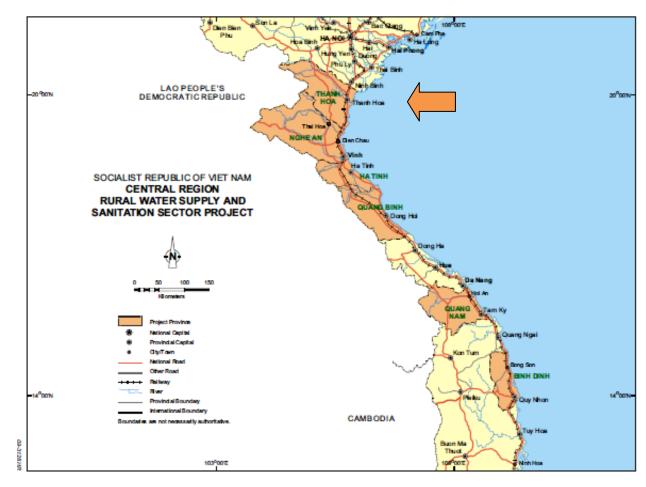


Figure 1 Location map of six Project Provinces of the central coastal region of Vietnam

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Preface

The Government of Vietnam and the Asian Development Bank have agreed to implement the Central Region Rural Water Supply and Sanitation Sector Project (Project) scheduled to be completion by 31 December 2016. The Project has a total budget of US\$ 50 million and is expected to provide access to clean water and hygienic sanitation for about 200,000 rural people in 33 communes in the six coastal central region provinces of Vietnam: Thanh Hoa, Nghe An, Ha Tinh, Quang Binh, Quang Nam and Binh Dinh.

The Loan Agreement was signed on 2nd February 2010. On 26th July 2011, the National Centre for Rural Water Supply and Environmental Sanitation (NCERWASS) of the Ministry of Agriculture and Rural Development (MARD) signed a Contract for Consulting Services for Project Implementation Assistance with CDM International Inc. in a joint venture with Nippon Koei Co. Ltd and national consultant Vinaconsult JSC (PIA Consultant). The PIA Consultant mobilized its team members on 25th August 2011.

This Safeguards Monitoring Report – July ÷ December 2016 covers main findings of the monitoring of safeguards issues of construction and commissioning activities carried out during the reporting period from July to the end of December 2016. This report is prepared based on review of Subproject information/documentation of the Provincial Project Management Unit (PPMU), desk review of D&B Contractors' detailed design, and office working with PPMU and D&B Contractor made by PIA Consultant during a supervision mission fielded on 19 – 22 September 2016 to the Subproject area.

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List of Abbreviations

ADB Asian Development Bank
AHs Affected Households
APs Affected Persons

CARC Compensation Assistance Resettlement Committee

CSC Design-Build Supervision Consultant

CPC Commune People's Committee
CPMU Central Project Management Unit
CVWU Communal Vietnam Women's Union

D&B Design and Build

DARD Department of Agriculture and Rural Development, Provincial DONRE Department of Natural Resources and Environment, Provincial

DPC District People's Committee

EARF Environmental Assessment and Review Framework

EC Environmental Protection Commitment
EMP Environmental Management Plan
EMoP Environmental Monitoring Plan

EO Environmental Officer FS Feasibility Study

GoV Government of Vietnam

HHs Households

IEE Initial Environmental Examination

LARC Land Acquisition and Resettlement Completion Report

LARP Land Acquisition and Resettlement Report

lpcd Litters per capita per day

MARD Ministry of Agriculture and Rural Development
MLISA Ministry of Labour, Invalids and Social Affair

MOH Ministry of Health (BYT)

MONRE Ministry of Natural Resources and Environment (BTNMT)

MOU Memorandum of Understanding

NCERWASS National Centre for Rural Water Supply and Environmental Sanitation

NGO Non-governmental Organization

NOL No Objection Letter

O&M Operation and Maintenance
ODA Official Development Assistance
OHS Occupational Health and Safety

OU Operating Unit

PCERWASS Provincial Centre for Rural Water Supply and Environmental Sanitation

PIA Project Implementation Assistance
PIB Project Information Booklet
PPC Provincial People's Committee
PPE Personal Protective Equipment
PPMU Provincial Project Management Unit

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Project Central Region Rural Water Supply and Sanitation Sector Project

PVWU Provincial Vietnam Women's Union REA Rapid Environmental Assessment SAR Subproject Appraisal Report

SIEE Summary Initial Environmental Examination

SSO Subproject Site Office

Subproject Thieu Hoa-Thanh Hoa 2nd Batch Subproject

VND Vietnam Dong

VWU Vietnam Women's Union

WSCC Water and Sanitation Commune Committee

WTP Water Treatment Plant

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1 INTRODUCTION AND PROJECT OVERVIEW

1.1 Introduction

The water supply and sanitation Batch-2 Subproject located in Thieu Do Commune, Thieu Hoa District, Thanh Hoa Province (Subproject) is one of the eight Batch-2 Subprojects of the Central Regions Rural Water Supply and Sanitation Sector Project (Project) to be implemented under the Loan Agreement No. 2609 - VIE (SF) between the Socialist Republic of Vietnam (GoV) and the Asian Development Bank (ADB).

The implementation of the Project will result in better health and living conditions of people living in rural areas in the Project provinces of Thanh Hoa, Nghe An, Ha Tinh, Quang Binh, Quang Nam and Binh Dinh. The Project will construct a piped water supply systems, and sanitation facilities and to promote safer hygiene practices by the commune's residents. The Project's components are the following: (i) Operational and sustainable piped water supply system; (ii) Improved household and public sanitation; (iii) Improvement of hygiene awareness; (iv) Strengthened sector planning and implementation capacity; and (v) Improved project management capacity.

In accordance with the Memorandum of Understanding (MOU) agreed between the ADB and the CPMU, the Thieu Hoa- Thanh Hoa Batch-2 Subproject needs to adhere to preparation of semi-annual safeguards monitoring reports. This semi-annual report covers issues in the second half of 2016.

The Subproject is designed to improve rural water supply and sanitation facilities and to promote safer hygiene practices by the rural communes. Water supply includes construction of piped water supply network with treatment facilities.

The Subproject will also include grey water (sullage) disposal and small scale drainage improvements to properly discharge spill and grey water flows that will result from the water supply improvement works.

The Design-Build packages for Water Supply System and Sanitation of the Subproject was signed on December 29, 2014 and commenced on January 8, 2015. The water supply system has been constructed since September 6, 2015.

Construction of drainage system and sanitation package were started on October 5, 2015 and completed as scheduled on January 3, 2016.

1.2 Subproject Overview

Table 1 Thieu Hoa-Thanh Hoa Batch-2 Subproject Safeguards Overview

ADB Loan No. 2609-VIE (SF) Central Region Rural Water Supply Project Number and Title: Subproject: Construction of Water S for Thieu Do Commune, Thieu Hoa I Province		ter Supply and Sanitation
	Environment	В
Safeguards Category	Involuntary Resettlement	В
	Indigenous People	С
Reporting period:	July 2016 - December 2016	
Last report date:	October 2016	

	ADD Loop No. 2600 VIE (SE)
Project Number and	ADB Loan No. 2609-VIE (SF) Central Region Rural Water Supply and Sanitation Sector Project
Title:	Subproject: Construction of Water Supply and Sanitation for Thieu Do Commune, Thieu Hoa District, Thanh Hoa Province
	1. Construction Component
	The Subproject of Thieu Do Commune, Thieu Hoa District, Thanh Hoa District includes two construction packages:
	(i) Design-Build package of water supply system: TH2/DB2/NCB and
	(ii) Design-Build package of drainage system and sanitation: TH2/DB4/NCB.
	2. Progress of Work Main items of water supply component:
	By the end of this reporting period, the construction basically completed as follows:
Key sub-project	(i) Household connection: completed;
activities since last report:	(ii) Pipeline: completed.
	Main items of sanitation component:
	(i) Drainage ditch: completed
	(ii) Household's latrine substructure: 21 latrine substructures were completed (17 poor households and 04 near poor FHH with sole income provided by a woman) and the remaining 7 households no longer wish to have latrine substructures, so the progress for this work item is 100%
	→ Work volume: 100% completed.
	Changes of Surrounding Environment: The construction of the Subproject has completed. No major negative impacts.
Report prepared by:	PIA consultant

Table 2 Basic data of Subproject.

No Contents Data		No	Contents	Data
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No	Contents	Data
1	Water Supply System	
	Designed Population	9,268 people
	• Capacity	$1,300 \text{ m}^3/\text{day}$
	• Water Source	Surface Water (from Irrigation Canal No.1)
	Length of Distribution Network	35.6 km
	Number of Service Connections	1,831 sets
2	Sanitation	
	Household' Latrine Substructures	21 units
	• Sewage disposal canal (open ditch)	793 m

2 ENVIRONMENTAL PERFORMANCE MONITORING

2.1 EMP/EMoP Implementation and Compliance

EMP/EMoP Implementation by D&B Contractor

During the construction phase, the implementation of the EMP is the responsibility of the D&B Contractor. The D&B Contractor's responsibility includes the appropriate and timely application of the mitigating measures stipulated in the approved EMP and EMoP. The application and implementation of the mitigation measures are to provide the safeguards that will control, reduce if not eliminate unwanted effects during the Subproject implementation.

Regarding raw water quality, during the pre-construction phase, the D&B Contractor conducted raw water quality analysis as part of the Detailed Design phase. The results verified that no changes or adjustment to the water treatment process are required. The slightly elevated content of ammonium can be removed through the treatment process. Another analysis was carried out at the end of construction when the WTP is ready for operation, on 19 November 2016. The results show that no changes or adjustment to the water treatment process are required.

EMP/EMoP Implementation by Operating Unit

During the O&M phase, the Operating Unit (OU) will be responsible for adherence to mitigation measures and activities stipulated in the EMP and EMoP plans. They will be primarily focused on safe operation of the WTP and distribution of treated water including: (i) regular testing of raw water quality and treated water quality; (ii) regular monitoring of the quality of wastewater and sludge; and (iii) applying the health and safety regulations specified in the EMP. The operators will also need to carry out O&M procedures in accordance with the O&M manual.

2.2 Environmental Monitoring by CSC/PPMU

During Subproject preparation phase, the PPMU/ EO is responsible for ensuring that all EMP and EMoP requirements were included in the bidding documents and the contracts are followed by the contractors. The templates for D&B construction package and CSC package in the bidding

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documents and the contract documents prepared by PIA Consultant have already included EMP and EMoP compliance requirements and should be used for all of the Subprojects.

During construction phase, the inspection, evaluation and recording of compliance to the EMP and EMoP as implemented by the contractors is among the tasks undertaken by the Construction Supervision Consultant (CSC) in the field with the assistance of the PIA Consultant. The CSC carries out weekly and monthly inspections and maintain records of the D&B Contractor's mitigating measures and activities prescribed in the approved EMP and EMoP of the Subproject. The responsibilities of CSC cover the period to the end of the commissioning stage including certifying of construction materials, equipment and items and final checking and acceptance for handing over for operation.

The inspection and evaluation records have been consolidated by the CSC in their Quarterly Environmental Monitoring Report. The CSC's collation and synthesis of the D&B Contractors' compliance to the requirements of the EMP and EMoP have been summarized in matrix attached with the report to be submitted to CPMU and PIA Consultant within 15 days after the end of each quarter.

During O&M phase, PPMU's Environmental Officer (EO) will be responsible for monitoring the OU compliance to the EMP and EMoP, as well as consolidating all the records of the plant operator on laboratory analysis and health and safety issues, and quarterly reporting to the CPMU and PIA Consultant within 15 days after the end of each quarter.

2.3 Monitoring Activities Carried Out by PIA Consultant

In the second half of 2016, the PIA Consultant has provided support to CPMU and PPMUs in terms of environmental documentation preparation, field visits for supervision and assistance, and information verification to ensure all the environment related provisions/requirements are followed.

In preparation for environmental assessment of batch-2 subprojects, PIA Consultant has prepared IEE reports based on (i) the environmental documents prepared by FS consultants and PPMUs and (ii) field visits carried out by PIA Consultant's Environmental Specialists to investigate and validate baseline environmental conditions of the proposed Batch-2 subprojects. The IEE reports of 08 batch-2 Subprojects have been issued Conditional Approval from the ADB. The EMPs approved by ADB have been also incorporated in the FS reports approved by the PPCs and in the Environmental Protection Commitments registered and accepted by the Subprojects' DPCs.

The templates of the bidding and contract documents with incorporated-EMP/EMoP plans were prepared by the PIA Consultant specialists and delivered to the PPMU. Subsequent monitoring of the PIA Consultant during bidding and contract process indicated that the EMP and EMoP plans and budget requirements have been included in the Subproject's bidding and bid documents and budgets, as well as in the Subproject's contract documents.

During the construction, the PIA Consultant has provided support and advices to the CSC and D&B Contractors in implementation of EMP/EMoP and assisted CPMU in compiling monitoring reports for submission to ADB.

During the second half of 2016, the PIA Consultant conducted one field trip to the Subproject on 19 – 22 September 2016. The on-site visit was made to check the progress and quality of the construction works and compliance with contract documents including safeguards issues. A meeting with PPMU, CSC and D-B Contractor staff was held afterward to give them recommendation/advices to the Subproject implementation and to have discussion or find resolution to the rising issues. Specific site visits to monitor the environmental compliance of the Subproject focused on the following:

- (i) Review completion of construction works;
- (ii) Inspect construction quality of the works; and
- (iii) Conduct assessment of operational and functionality of the water supply system.

The collation of the PPMU's quarterly monitoring reports and PIA Consultant's review on the assessment of the safeguard compliance to the requirements of the EMP and EMoP is summarized in environmental performance matrix of the Subproject attached with this report as an *Annex 1*.

2.4 Key Issues for Further Actions.

Table 3 Environmental Issues for Further Action.

Issue Required Action		Responsibility and Timing	Resolution		
Old Issues from Previou	Old Issues from Previous Reports: none				
New Issues from This Ro	New Issues from This Report				
Total coliform and E.coli were not tested in the raw water quality analysis conducted in November 2016.	The PPMU/OU to request the testing unit to test these parameters in the next sample testing.	The PPMU/OU			

3 INVOLUNTARY RESETTLEMENT PERFORMANCE MONITORING

3.1 Compliance with RP Requirements

The draft LARP of Thieu Hoa Subproject, Thanh Hoa Province has been prepared and submitted to ADB as Volume 5 of Subproject Appraisal Report and has been approved on December 2014.

During preparation the draft LARP, a public consultation meeting was held by PPMU on 05 June 2014 with affected households and concerned stakeholders.

The detailed engineering design was approved on 10 June 2015, PPMU has conducted two public consultation meetings on 12 and 18 June 2015 with affected households. Concurrently, detailed measurement survey (DMS) and socio-economic survey (SES) was carried out also from 10 to 18 June 2015.

The compensation payment was made to AHs on September 7, 2015

Table 4 Summary of Compliance with RP Requirements

RP Requirements	Complianc e status Yes/No/Pa rtial	Comment or Reasons for Compliance, Partial Compliance/Non-Compliance	Issues for Further Action ¹
Establishment of personnel in PMU/PIU	Yes	Compensation Assistance Resettlement Committee for Thieu Hoa Sub-project has been established based on Decision No.2698a /QD- UBND dated 01 October 2014	
Public consultation and socialization process	Yes	During preparation the draft LARP, a public consultation meeting was held by PPMU on 05 June 2014 with affected households and	

¹ To be elaborated further in Table 5 (Issues for Further Action)

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RP Requirements	Complianc e status Yes/No/Pa rtial	Comment or Reasons for Compliance, Partial Compliance/Non-Compliance	Issues for Further Action ¹
		concerned stakeholders.	
		The detailed engineering design was approved on 10 June 2015, PPMU has conducted two public consultation meetings on 12 and 18 June 2015 with affected households. Concurrently, detailed measurement survey (DMS) and socioeconomic survey (SES) were carried out also from 10 to 18 June 2015.	
Land area to be acquired is identified and finalized		+ Permanently acquired land area: 16,957.9 m2 of 56 AHs with 266 APs + Temporarily acquired land area: 19,400 m2 of public land managed by CPC of Thieu Do	
Land acquisition completed	Yes		
Establishment of Resettlement Site(s)	Not applicable	No relocation is required	
Compensation payments for affected assets is completed	Yes	The paid compensation amount for assets of 56 households was 699,903,000 VND . Out of which + For land: 678,316,000 VND + For crops: 21,587,000 VND The paid allowances and assistances (including assistance for acquired land area, transition subsistence allowance for severely AHs and support for life and production stabilization): 1,827.474,000 VND	
Transport assistance for relocating affected households	Not triggered	No relocation is required	
Additional assistance to vulnerable affected household	Yes	Total paid additional assistance was 6,000,000 VND. There was 3 poor households, each households received 1,200,000 VND. Two out of 3 households are female headed households with dependent, each households received extra 1,200,000 VND.	
Income Restoration	Yes	The Vocational Training course was offered as IRP to 42 APs who less than 30 years old with	

RP Requirements	Complianc e status Yes/No/Pa rtial	Comment or Reasons for Compliance, Partial Compliance/Non-Compliance	Issues for Further Action ¹
Program		total budget 126,000,000 VND. However, all of APs want to seek by themselves the suitable vocational training course with their capable, therefore PPMU paid to them by cash with 3,000,000 VND/each	
Temporary impacts have been addressed (affected properties restored to at least pre- project conditions)	Yes	The pipeline was installed in rest time between 2 crops to minimize the effect on crops of households	
Capacity building activities	Yes	Member of PPMU and District CARC of Thieu Hoa attended to the Training course on "ADB's social safeguard policies on environment and resettlement" from 2 April to 4 April, 2014 in Quang Nam province.	
Completion of land acquisition and resettlement	Partial	Land Acquisition and Resettlement Completion (LARC) Report is under preparation	

3.2 Resettlement Monitoring by PPMU

The water supply system has been constructed since September 6, 2015 PPMU has cooperated with Constructor Supervision Consultant (CSC) to supervise the land acquisition boundary during construction to ensure that adjacent land area has not been affected.

3.3 Monitoring Activities carried out by PIA Consultant

The PIA Consultant conducted one field trip to the Subproject on September $19^{th} - 22^{nd}$, 2016. The on-site visits were made to check whether the land boundary encroaches to adjacent land and whether any claims have been raised by people in the subproject area

3.4 Key Issues for Further Action

Table 5 LARP Issues for Further Action

Issue	Required Action	Responsibility and Timing	Resolution		
Old Issues from Previous Reports					
None					
New Issues from This Report					
Land acquisition and Resettlement Completion Report	LARC report is under preparation	PPMU, CPMU, PIA Consultant and ADB			

4 OCCUPATIONAL HEALTH AND SAFETY (OHS) PERFORMANCE MONITORING

The Occupational, Health and Safety (OHS) Performance has been monitored for the public and the workers.

4.1 OHS for Workers

Before construction, the construction site was surveyed and cleared of bombs and unexploded ordnance by SAPPER Division – 4th Military Region.

The following issue related to OHS for workers has been identified:

Table 6 OHS Issues for further Action

Issue	Required Action	Responsibility and Timing	Resolution		
Old Issues from Previous Reports: none					
New Issues from This Report: none					

4.2 Public Safety

No public safety issues have been identified or reported during this reporting period.

5 INFORMATION DISCLOSURE AND SOCIALIZATION INCLUDING CAPABILITY BUILDING

5.1 Public Consultations and Information Disclosure

5.1.1 Environmental Public Consultation and Information Disclosure

There are two public consultation meetings on environmental issues to be implemented for each of the Subproject. The 1st public consultation was held during FS preparation. The 2nd public consultation was held for Thieu Do commune on July 22, 2015 before construction commencement in order to inform the local people of at least: (1) commencement time of construction, (ii) duration of construction, (iii) EMP and EMoP requirements and responsibilities, (iv) introduction of Subproject site office, contact details and telephone numbers of contractors, CSCs and PPMU staff. The approved IEE report and SIEE report were disclosed on the information boards of the related CPCs (*see annex 3*) and the soft copies of the full IEE reports are stored in computers by CPC staff and shall be disclosed to any third party if requested.

Updates of the Subproject information will also be disseminated to all the beneficiaries through the loudspeaker system of the Subproject communes as well as over activities of the Water and Sanitation Commune Committee (WSCC) members and the Health and Sanitation Promoters (HSPs).

5.1.2 Resettlement Public Consultation and Information Disclosure

During preparation the draft LARP, a public consultation meeting was held by PPMU on 05 June 2014 with affected households and concerned stakeholders.

As part of the updating the LARP two public consultation meetings were held on 12 and 18 June 2015. In the meetings affected household were informed about the project's resettlement framework and the unit prices for compensations. The cut-off date was disclosed to affected households on 18 June 2015.

5.2 Training - Capacity Building

5.2.1 Environment

To improve environmental monitoring capacity of commune environmental officers, WSCCs and HSPs for Batch 2 subprojects, PIA consultant organized training courses on environmental monitoring during project implementation for WSCCs and HSPs in Thanh Hoa city, Thanh Hoa province on 26th & 27th June 2015. This capacity building activity equipped 34 participants of Yen Dinh-Thanh Hoa and Thieu Do-Thanh Hoa Subprojects with solid knowledge about ADB's and GoV's environmental policies and environmental monitoring.

The PPMU staff and CSCs of Thanh Hoa, Nghe An, Quang Nam and Binh Dinh Batch-2 Subprojects attended 2nd training course on "Contract management and Construction quality supervision" organized by PIA Consultant on September 30 and October 1, 2015. There were 22 participants in the course (2 female) – including 3 participants of this Subproject. The training course aimed to improve the trainees' capacity on management of contracts and construction quality, environmental management and monitoring, and preparation of progress reports etc. and also to enable the participants to transfer skills and knowledge to other offices/personnel after the course.

Apart from the above organized training courses, PIA Consultant has delivered on-the-job training via phones, emails and meetings when necessary as well as clarified any queries from CPMU and PPMUs.

5.2.2 Resettlement

The resettlement has been completed, no training is required.

5.3 Press/Media Releases

In order to extent the publicity for the Project information, information of implementation status and lessons learnt from the ADB funded CRRWSSSP Project has been published and updated on the website of the National Centre for Rural Water Supply and Environmental Sanitation (NCERWASS) (http://ncerwass.mard.gov.vn/) since January 2014. These publications aim to share experiences of the Project activities and the Project's progress among the network of Rural Water Supply and Sanitation Project (RWSSP), partners and interested stakeholders.

6 GRIEVANCE REDRESS MECHANISM

A Subproject site office has been established, and the Subproject's information including grievance redress mechanisms on environment and resettlement have been disclosed to the public on the notice boards of the CPCs of the Subproject.

Environment

No written grievance has been received and no oral complaints have been reported.

Resettlement

No written grievance has been received and no oral complaints have been raised.

7 CONCLUSIONS AND RECOMMENDATIONS

Environment

The results of the implementation of the EMP/EMoP have indicated that most of the requirements of the EMP and EMoP have been followed by the contractors and the PPMU.

10

One issue arising during this reporting period is that total coliform and E.coli were not tested in the raw water quality analysis conducted in November 2016. The PPMU/OU is recommended to request the testing unit to test these parameters in the next sample testing.

The overall implementation/compliance of the Thanh Hoa Batch-2 Subproject to the EMP/EMoP is rated as partially satisfactory in this reporting period. In the forthcoming time, the PPMU shall enforce that the OU will operate the Subproject facilities in compliance with the approved EMP/EMoP provisions, and to timely conduct raw water and treated water sampling and quality analyses.

Resettlement

Implementation of the resettlement activities of Thieu Hoa sub-project is appraised as satisfactory and within project's resettlement framework.

.

(i) Summary of Subproject compliance with EMP requirements

EMP Requirements (Mitigation Measures)	Compliance Status (Yes, No, Partial)	Comment or Reasons for Non-Compliance	Issues for Further Action
(1)	(2)	(3)	(4)
OPERATION & MAINTENANCE PHASE			
Environmental and Occupational Health and Safety			
 Equipped workers with gas masks and protective clothing and gears such as boots, helmets during working. 	Yes	Operational unit has provided sufficiently work wear for workers such as: work safety gears, helmets, boots, gloves, protection mask, etc.	
WTP operator will strictly comply with instructions of use and storage of chemicals. If leakage or spillage events happen, the WTP operator will inform to relevant agency to deal with immediately.	Yes	Along with ensuring safety, the construction unit has instructed and trained the workers how to operate safety devices and fire protection equipment. Safety equipment in regard of chemical using and fire protection is sufficiently supplied as: ventilation fan for chemical mixing room, chemical shelf, fire extinguisher, back-up water for fire extinguishing, signs, instructions, etc. Along the pipelines, fire hydrants have been installed and are always ready for using at any time.	

(ii) Summary of Subproject compliance with EMoP requirements

EMoP Requirements (Mitigation Measures)	Compliance Status (Yes, No, Partial)	Comment or Reasons for Non-Compliance	Issues for Further Action
(1)	(2)	(3)	(4)
OPERATION & MAINTENANCE PHASE			
Raw (surface) water quality Conduct raw water sample (taken from raw water reservoir) and analysis quarterly.	Partial.	Raw water quality analysis was conducted in this reporting period. However, total coliform and E.coli were not tested in the raw water quality analysis.	The PPMU/OU is recommended to request the testing unit to test these parameters in the next sample testing.
Treated water quality Conduct treated water sample (taken from treated water basin) and analysis quarterly.	Yes.	Treated water quality analysis was conducted in this reporting period and its quality meets the standards.	

Original:

Thanh Hoa Batch 2 Subproject: Raw water quality analysis result

CHI CỤC TIÊU CHUẨN ĐO LƯỜNG CHẤT LƯỢNG THANH HÓA

Thanh Hoa Branch of Standardisation - Metrology and Quality

TRUNG TÂM DỊCH VỤ KỸ THUẬT TIỀU CHUẨN ĐO LƯỜNG CHẤT LƯỢNG

Thanh Hoa Technical service Centrer for Standards and Quality

Địa chỉ: 15 đường Hạc Thành Thành phố Thanh Hoá Add: 15 Hac Thanh Road Thanh hoa City

Tel: (037) 3712264 -Fax: (037) 3712264 3720704

E-mail: tedlel.th@hn.vnn.vn

PHIẾU KẾT QUẢ THỬ NGHIỆM

THE TEST RESULTS Số (N°): 1675 - TNH(S)/2016

Tên mẫu thử:

(Object)

NƯỚC MẶT KÊNH B9

Số lượng: 01 mẫu. (Number of)

Ký hiệu:

(Notation)

MG

Khách hàng:

(Customer name)

Trung tâm nước sinh hoạt và VSMT nông thôn Thanh Hóa Công trình cấp nước xã Thiệu Đô, huyện Thiệu Hóa, tỉnh Thanh Hóa

Dự án

(Project)

19/11/2016

Ngày nhận mẫu: (date of receipt)

TT Oder (1)	Tên chỉ tiêu Items (2)	Phương pháp thử Test method (3)	Đơn vị tính Unit (4)	QCVN 08:2015/BTNMT	Kết quả thử Results (5)
					M1
1	рН	TCVN 6492:2011	/(-	6-8,5	7,08
2	Hàm lượng COD	TCVN 6491:1999	mgO ₂ /l	15	10,6
3	Hàm lượng BOD ₅	TCVN 6001-1:2008	$mgO_2/1$	6	4,1
4	Tổng chất rắn lợ lửng	TCVN 6625:2000	mg/l	30	20,5
5	Hàm lượng N/NH ₄ ⁺	TCVN 5988:1995	mg/l	0,3	0,2
6	Hàm lượng N/NO ₂	TCVN 6178:1996	mg/l	0,05	0,032
7	Hàm lượng N/NO ₃ ·	TCVN 6180:1996	mg/l	5	1,21
8	Hàm lượng Cl	TCVN 6194:1996	mg/l	350	125,3
9	Hàm lượng F	Palintes	mg/l	1,5	0,6
10	Hàm lượng Fe	TCVN 6177:1996	mg/l	1	0,82
11	Hàm lượng DO	TCVN 7324:2004	mg/l	≥5	5,2
12	Hàm lượng As	TCVN 6626:2000	mg/l	0,02	KPHĐ

Ghi chú: KPHĐ: Không phát hiện được

Thanh Hóa, ngày 25 tháng 11 năm 2016

THỬ NGHIỆM VIÊN

TỔ TRƯỞNG

Team Leader

Lê Thị Lan Anh

OCTAM DÓC TRUNGDINECTUR

CHẤT LƯƠ Manh Hop BM - 10 - 07 - 02

Chú ý: - Phiếu kết quả thử nghiệm không có giá trị khi sao chép từng phần nếu không được sự đồng ý của Vilas 142

Nguyễn Thị Hảo

- Kết quả chỉ có giá trị đối với mẫu thử. - Những chỉ tiêu có dấu (*) trong phạm vi công nhận Vilas.

- Những chi tiêu có đầu (a) trong phạm vi công nhận Vimcerts 170 - Các chỉ tiêu đánh dấu (b) được thực hiện bởi nhà thầu phụ - Tên mẫu, tên khách hàng và tên cơ sở do khách hàng cung cấp.

Trang 1/1 (N^O of pages)

Translation:

Thanh Hoa Batch 2 Subproject: Raw water quality analysis result

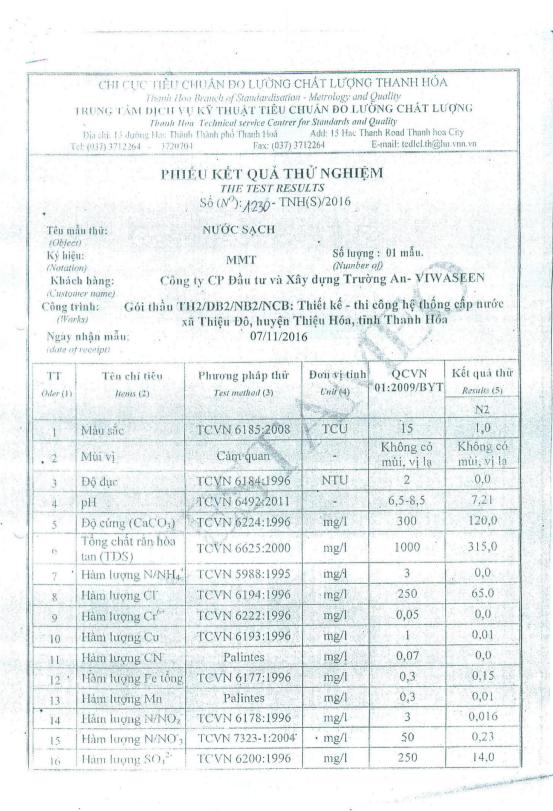
No.	Parameter	Unit	Result (19 th November 2016)	Limiting value set in QCVN 08- MT:2015/ BTNMT (Volume A2)
1	pН	-	7.08	6-8.5
2	COD	mgO ₂ /l	10.6	15
3	BOD ₅	mgO ₂ /l	4.1	6
4	Total suspended solid	mg/l	20.5	30
			0.2	0.3
5	N/NH ₄ ⁺	mg/l		
6	N/NO ₂	mg/l	0.032	0.05
7	N/NO ₃	mg/l	1.21	5
8	Chloride	mg/l	125.3	350
9	Fluoride	mg/l	0.6	1.5
10	Fe	mg/l	0.82	1
11	DO	mg/l	5.2	≥5
12	Arsenic	mg/l	BDL	0.02

Note:

- QCVN 08-MT:2015/BTNMT: National technical regulation on surface water quality
- BDL: Below Detected Level.

Original:

Thanh Hoa Batch-2 Subproject: Treated water quality analysis result



17	Chi số Pecmanganat	TCVN 6186:1996	mg/l	. 2	0,5
18	Hàm lượng As	TCVN 6626:2000	mg/l	0,01	КРИÐ
19	Hàm lượng Cd	TCVN 6197:1996	mg/l	0,003	КРНЪ
20	Hàm lượng Pb	TCVN 6193:1996	mg/l	0,01	КРНÐ
21	Coliform	.TCVN 6187-2:1996	MPN/100ml	0	. 0
22	E.coli	TCVN 6187-2:1996	MPN/100ml	0	0
Nhân xéi Quy chi	- KPHĐ: Không phát t: Mẫu nước trên có các c uần kỹ thuật quốc gia về c Kết quả phân tích trên	hỉ tiêu phân tích nằm tro	của Bộ Y tế.		N 01:2009/BYT
- Ket i	THỮ NGHIỆM VI Tester 3 ao Nguyễn Thị Hâi 1 kết quá thử nghiệm không có giá trị đ quá chi có giá trị đối với mầu thử, ng chi tiều có dầu (*) trong pham ví c.	O khi san chép từng phần tiêu không đượ		MAN BÓC MAN BOL BIAN BOL MAN B	11 nām 2016 3M - 10 - 07 - 02 Trang (No of pages)

Translation:

Thanh Hoa Batch-2 Subproject: Treated water quality analysis result

No.	Parameter	Unit	QCVN 01:2009 BYT	Treated water reservoir (7 Nov 2016)
1	Color	TCU	15	1.0
2	Odor	-	No odor	No odor
3	Turbidity	NTU	2	0
4	pH	-	6.5-8.5	7.21
5	Hardness (CaCO ₃)	mg/l	300	120
6	Total suspended solid (TSS)	mg/l	1000	315
7	N/NH ₄ ⁺	mg/l	3	0.0
8	Chloride	mg/l	250	65
9	Chrome	mg/l	0.05	0.0
10	Copper	mg/l	1	0.01
11	Cyanide	mg/l	0.07	0.0
12	Fe total	mg/l	0.3	0.15
13	Manganese	mg/l	0.3	0.01
14	N/NO ₂	mg/l	3	0.016
15	N/NO ₃	mg/l	50	0.23
16	SO ₄ ² ·	mg/l	250	14
17		mg/l	2	0.5
18		mg/l	0.01	BDL
19		mg/l	0.003	BDL
20		mg/l	0.01	BDL
21	Total coliform	MNP/100ml	0	0
21	E.coli	MNP/100ml	0	0

Note:

- QCVN 01:2009/BYT: National technical regulation on treated water quality

- BDL: Below Detected Level.

Safeguards Monitoring Report Jul – Dec 2016 Thieu Hoa District, Thanh Hoa Province

Annex 3 Photographs



Figure 2 Public consultation (June 2014)



Figure 3 SIEE disclosure at Thieu Do CPC (May 2015)



Figure 4 Environmental training for WSCCs and HSPs in Thanh Hoa city (June 2015, picture 01)



Figure 5 Environmental training for WSCCs and HSPs in Thanh Hoa city (June 2015, picture 02)







Figure 7 Access road to the WTP (May 2016)





Figure 8 Administration house (May 2016)

Figure 9

Primary pumping station (May 2016)





Figure 10 Secondary pumping station (May 2016)

Figure 11

Sludge settling pond (May 2016)





Figure 12 Drainage ditch (May 2016)

Figure 13 Septic tank

Septic tank latrine substructure (May 2016)



Figure 14 AHs are waiting for their turn



Figure 15 PPMU check the Compensation miss to fill in



Figure 16 AH checked compensation amount



Figure 17 Mr. Quan

Mr. Quan – officer of PPMU cum member of CARC call the name of AHs

Central Region Rural Water Supply and Sanitation Sector Project Consulting Services for Project Implementation Assistance		Safeguards Monitoring Report Jul -Dec 2016	
Consuling Serv	nces for Project implementation Assistance	Thieu Hoa District, Thanh Hoa Province 24	
Annex 4	IEE Addendum and Endorsemen	t Letter	

ADDENDUM to

IEE of The Subproject of Thieu Do Commune, Thieu Hoa District, Thanh Hoa Province

Comparison between Subproject Appraisal Report (SAR) and Detail Design (DD) configurations

1. Project Description

The Water Supply and Sanitation Subproject (WSSS) for Thieu Do commune, Thieu Hoa District, Thanh Hoa Province has been selected as one of eight Subprojects in Batch 2 of the Central Region Rural Water Supply and Sanitation Sector Project (CRRWSSSP) to be implemented under the Loan Agreement No. 2609 – VIE (SF) between the Socialist Republic of Vietnam (GoV) and the Asian Development Bank (ADB). The Subproject consists of the following components:

- Construction and operation of a piped water supply system for 1 commune with a capacity of 1,300 m³/day serving a population of approximately 9,300 people by 2025;
- Provision of in-kind grants for construction of substructure of household latrines to 28 poor households and near-poor female-headed households with women being the sole income providers;
- Establishment of Sanitation Revolving Fund and provide about 315 loans to non-poor households for construction or rehabilitation of hygienic latrines;
- The subproject will provide hygienic septic tank latrines to three schools;
- The subproject will build 797 m of drainage/sewage ditch in the flood-prone areas;
- Promotion of community participation in subproject implementation; carry out subproject CBA-IEC Plan to increase awareness of hygiene and sanitation among local people in the project area; formation and training of Water and Sanitation Commune Committee (WSCC), including recruitment and training of Health and Sanitation Promoters;
- Strengthened sector planning and implementation capacity by training of O&M staff for the water supply systems, improvement of M&E of water

and sanitation investments through promotion of community involvement in data collection and evaluation, capacity building of provincial and commune VMUs to manage sanitation revolving fund; and

• Improved project management capacity by training and support of PPMU, provincial and commune WUs, WSCC and HSPs on: (i) contract management; (ii) financial management; (iii) social and gender awareness; (iv) social safeguards implementation and monitoring; (v) planning and budgeting; (vi) accounting and bookkeeping; (vii) procurement.

During the Subproject preparation phase the IEE report document including Environmental Management Plan (EMP) and Environmental Monitoring Plan (EMoP) was approved by the ADB as part of the Subproject Appraisal Report (SAR) of Thieu Hoa- Thanh Hoa Water Supply and Sanitation Subproject. This addendum to the IEE of Thieu Hoa- Thanh Hoa Subproject has been prepared based on the finalized Detailed Design and provides information on the changes in the subprojects for updating the IEE.

2. Comparison of Changes

During the detailed design, there is no change in the location of the supply network. The site of Water Treatment Plant and raw water reservoir has been transposed by 50 m to the East to minimize land acquisition. There are also changes in the scope of permanent and temporary land acquisition and minor changes in compensations for loss of crops, trees, structures and graves. These changes do not have influence on the findings of the Subproject's approved IEE Report.

The changes made to the Subproject during the Detailed Design and their impacts on environmental issues based on the Detailed Measurement Survey (DMS) and environmental assessment at the Subproject sites are shown in Figure 1 and Table 1 below:

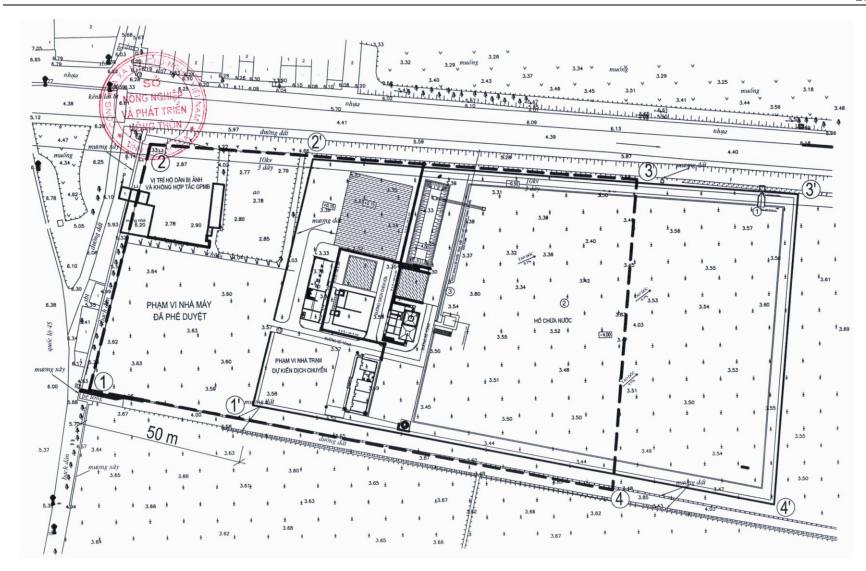


Figure 1 Layouts of the raw water intake and WTP in SAR (1-2-3-4) and Detailed Designs (1'-2'-3'-4')

Table 7 Description of Changes made during Detailed Design by Subproject Component and their impacts on IEE report.

Component/ item	Changes between SAR and DD&DMS (Yes/ No)	Clarification and Impacts on IEE Report
I. Head works (raw water source, access road)		
1. Raw water source	No	Still irrigation canal B9
2. Access road	Yes	The land area of the WTP is not anymore closed to the 45 Highway so it is necessary to acquire land for the access road to the WTP. The area of permanently acquired agricultural land for the access road is 339.5 m ² so there are no changes to anticipated environmental impacts, the approved EMP and EMoP.
II. Water Treatment Plant (WTP)		
1. Location	Yes	To avoid the resettlement impacts on one fish pond guard house with an area of 60 m ² , the proposed location of water treatment plant has been moved by about 50 m to the East. The land area for construction of the WTP is not anymore closed to Highway 45. For this adjustment, there are no changes to anticipated environmental impacts, the approved EMP and EMoP.
2. Scope of land permanently acquired	Yes	Total land permanently acquired for WTP has increased by roughly 1,700 m ² according to the DMS. It is still agricultural land which is presently used for rice farming. Thus, there are no changes to anticipated environmental impacts, the approved EMP and EMoP.

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Component/ item	Changes between SAR and DD&DMS (Yes/ No)	Clarification and Impacts on IEE Report
3. Scope of land temporarily acquired	No	No temporary land acquisition for WTP.
4. Capacity	No	
5. Treatment technology	No	The treatment technology is the same, however, the detailed engineering design has been adjusted slightly due to the increase of permanently acquired land for WTP.
III. Power line		
1. Scope of land permanently acquired	Yes	The total area of permanent acquisition of agricultural land for the electrical power supply line is only 82 m², which was not estimated during FS stage. For this adjustment, there are no changes to anticipated environmental impacts, the approved EMP and EMoP.
2. Scope of land temporarily acquired	No	No temporary land acquisition for power line
IV. Drainage canals		
1. Drainage pipe for the WTP	Yes	Drainage pipe D500 from the WTP will be built on agricultural and area of permanent land acquisition is 160m ² , reducing the land area acquired by roughly 500m ² compared to the FS stage. Thus, there are no changes to anticipated environmental impacts, the approved EMP and EMoP .
2. Drainage canal serving commune	Yes	A drainage canal serving residential areas with a length of 797 m will be built on agricultural land. The area of permanent land acquisition is 792 m ² , which was not proposed during the FS stage. For this adjustment, there are no

Component/ item	Changes between SAR and DD&DMS (Yes/ No)	Clarification and Impacts on IEE Report
		changes to anticipated environmental impacts, the approved EMP and EMoP.
V. Raw water pipelines and clean water pipelines		
1. Area of service coverage	No	
2. Scope of land permanently acquired	No	No permanent land acquisition for installation of raw water and clean water pipelines.
3. Scope of land temporarily acquired	Yes	The area of temporary land acquired will be 19,400m ² compared to 2,600m ² of the area initially estimated. However, there are no changes to anticipated environmental impacts, the approved EMP and EMoP .
VI. Sanitation		
1. Household latrines	Yes	The numbers of latrines under in-kind grant scheme and Sanitation Revolving Fund have been altered from 87 to 28 latrines and from 52 to 315 latrines respectively. For these alterations, there are no changes to anticipated environmental impacts, the approved EMP and EMoP.
VII. Structures/ assets		
1. Private or public structures/ assets	Yes	In the SAR, one household would lose a guard house and structures with a total area of 60 m ² and brick fence with length of 120 m. However, as the WTP area has been relocated, the approved detailed engineering design and DMS have proved that there are no private or public structures/assets or trees affected by the Subproject. Thus, there are no changes to anticipated environmental

Component/ item	Changes between SAR and DD&DMS (Yes/ No)	Clarification and Impacts on IEE Report
		impacts, the approved EMP and EMoP.
VIII. Other aspects		
1. New findings about the potentially affected fauna/ flora species or protected structures	No	No new findings about the potentially affected fauna/ flora species or protected structures.
2. Other newly found aspects that can potentially create significant impacts	No	No other newly found aspects that can potentially create significant impacts.

Based on the above assessment and findings the Rapid Environmental Assessment (REA) checklist and the checklist for Preliminary Climate Risk Screening of the Subproject do not change after the detailed design stage.

3. Conclusion

The modifications made at the detailed design stage compared to the SAR preparation stage do not materially affect the findings of the IEE Report of Thieu Hoa- Thanh Hoa Subproject. As a result, the approved IEE including the EMP and EMoP of the aforementioned Subproject is still applied for the Subproject.

CENTRAL REGION RURAL WATER SUPPLY AND SANITATION SECTOR PROJECT

ADB Loan No. 2609-VIE (SF)}

ENDORSEMENT OF ADDENDUM TO THE IEE REPORT OF

WATER SUPPLY AND SANITATION OF THIEU DO COMMUNE – THIEU HOA DISTRICT – THANH HOA PROVINCE

This endorsement has been prepared based on a combination of observations made during field visits and designs made by third parties. The CPMU, PPMU and PIA Consultant have to the extent reasonably possible validated and verified the information in the IEE report and its appendices. To the best of our belief and knowledge, the included information in this addendum is reasonably accurate and correct.

Thanh Hoa PPMU

PIA Consultant

/OINST

CPMU

Nguyen Xuan Trang Director Team Leader

Annex 5 Copies of Summary table of compensation with AHs' signature

Safeguards Monitoring Report Jul - Dec 2016 Thieu Hoa District, Thanh Hoa Province 34

BÁNG TỘNG HỢP CÁC HỘ GIA ĐÌNH BỊ ÁNH HƯỚNG VĨNH VIỆN ĐÃ NHẬN TIÊN ĐỀN BỦ

Công trinh: Tiểu dự án Cấp nước sạch và vệ sinh mỗi trường nông thôn xã Thiệu Đô, huyện Thiệu Hóa, tính Thanh Hóa

Thuộc dự án Cấp nước sựch và vệ sinh mỗi trường nông thôn vùng miền Trư	ag, vay vôn ADB	
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	Chú bệ						i	Dát mồng ng	ghiệp			Lún						Tr	eng đó					
11	Tên chủ hộ	Nam/ No	Oğa eki	Số nhân khẩn		Tinh trang sir dụng dất	Tổng diện tích đất được giao	Diğn tich bị ảnh bương	%	Số thứa	Tiv BD så	Logi	Diện	Cây lâu năm Bối (cây)	thường đất	Lüe. hoa màu	BBŞ try chuyển đối nghế nghiệp	Hỗ try cho bỳ mất hơu 10% điện tích đất NN theo chính sách ADB	Hỗ trự cho hộ mát nữ 30% trê bên điện tích đất nông nghiệp	Hỗ tny lại ích đất bùa	Hễ trự hệ nghêo và hộ cận nghèo có phụ nữ tâm chủ hệ theo chính xách ADB	Hỗ trự đào tạo nghế cho lạo động chính của hộ bị mắt đất trên 18% theo chính sắch ADB	Tổng cộng	Ký nhận
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4	NGUYÊN VÂN NAM	Nam	Thôn 5	4		Số đã	900	500,0	55,6	790	6	lúa			20.000.000		30,000,000	24,000,000	7 200 000	636,500		6,000,000	87,836,500	Wage
5	LÊ THÊ NGHUYÊN	Nam	Thôn S	6		Số đó	2394	791,0	33,0	826+8 53		lùa			31.640.000		47,460,000	24.000.000	5,400.000	1.006.943		6,000,000	115,506,943	8 Jan
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7	LÊ DUY HÂI	Nam	Thôn 5	4		Södö	367	100,0	27,2	827	6	lia .			4.000,000		6,000,000	24.000,000		127.300		3.000.000	37,127,300	Cust
8	LÈ THÈ THỰC	Nam	Thôn 5	3		Số đó	1507	1338	88,8	829	6	lón			53.520.000		80.280.000	24.000.000	10.800.000	1.703.274		0	176.303.274	E his
9	LÉ DUY LÁM	Nam	Thôn 5	5		Số đỏ	1121	996,0	88,8	830	6.	lúa			39,840,00		59,760,000	24.000.000	18.000.000	1.267.908		12.000.000	154,867,908	Philar
10	LÉ THỊ THI	NB	Thora 5	6		Số đó	1166	630,0	54,0	831+8 54a	6	Sian .			25.200.00	D.	37.800.000	24.000.000	19.800.000	801.990		3.000,000	101,601,990	T 6 900
11	NGUYÊN HỮU TUYÊN	Nam	Thôn S	4		Số đó	2098	1288	61,4	832	6	No			51.520.00	0	77,280,000	24,000,000	7.200,000	1,639,624		9,000,000	170.639.624	TUVÊN
12	LÉ VĂN BÁN	Nam	Thên :	6		Số đó	1477	500,0	33,9	904	6	lia			20,900.00	0	30.000.000	24,000,000	10,899,000	636,500		9.000.000	94,436.500	B'
13	LÉ THÉ BÀ	Nam	Théo :	4		\$6.66	883	500,0	36,6	903	6	tion			20,000.00	0	30,000,000	24.000.000	7.200.000	636.500		3,000,000	84,836,500	the

4	LÉ THELY	No.	3hon 5	8		Số đó	2176	500,0	23,0	902	6	No		20 000 000		30.000.000	24.000.000		636,500		0	74,636,500	lely
5	LÉ THỊ HÀO	Nit	Thôn 5	3		Ső do	1882	500,0	26,6	100	6	lúa		20 000 000		30.000.000	24.000.000		636.500		3.000.000	77,636,500	Has
	LÉ TRI MINI	No	Thòn 5	4:		Sé do	1508	500.0	33,2	380	6	lúa		20.000.000		30,000,000	24.000.000	7.200.000	636,500		• 0	81.836,500	HINK
	TRÁN TRONG HÓNG	Nam	Thòn 5	11		Số đỏ	1922	1000	52,0	879	6	lia		40.000.000		60.000.000	24.000.000	12.600.000	1,273,000		0	137,873,000	gain
8	NGUYÊN HỮU NAM	Nam	Thôn 5	5		Số đo	2272	500,0	22,0	878	6	lia		20.000.000		30.000.000	24.000.000		636,500		9.000,000	83,636,500	of white
1	LÉ THI NHI	No	Thom 5	0		Số độ	520	435,0	83,7	877	0	lún		17.400.000		26.100.000	24,000,000	Dis chét	553.755		0	68,053,755	Thisy Co
0	BOANGTHLO	No	Then 5	8.		Sà đọ	2309	500,0	21.7	876	0	files		20.000.000		30.000.000	24,906,000		636-500		3,000,006	77,636,500	200
	LÉ VÁN TOAN	Nam	Thên 5	+		Só do	781	485,0	87,7	875	۵	lion	1	27,400,000		41:100:000	24,000,000	14,400,000	872.005		9.000.000	116,772,005	Toan
2	NGUYÊN HỮU CHUNG	Nan	Thôn 5	5		Ső dó	2107	912	43,3	874	٥	Nan		36,480,000		54,720,000	24,000,000	9.000.000	1 160.976		9.000.000	134,360,976	chief
3	LÉ VĂN THÁNG	Name	Thôn 5	2		Sã đó	862	500	58,0	874	6	Túa.		20,000,000		30,000,000	24,000,000	3,600,000	636.500		6,000,000	84,236,509	Thang
4	NGUYÊN HỮU ĐẤT	Nam	Thôn 5	1		Số đà	2240	1111	49,6	856	6	lue.		44.440.000	Š.	66,660,000	24.000.000	L4,400,000	1,414,303		6,000,000	156,914,303	Dot
	NGUYÊN THỊ LÉ	No	Then 5	1	X	Số đô	335	295	88,1	856	6	frim .	-	11:800.000	8	17.700.000	24,000,000	3,600,000	375.535	2,400,000		59.875.535	6
6	NGUYÊN HÛU THÎN	Nam	Thên 5	3		Số đo	1582	74,9	4,7	873	6	lúa		2.996.000		4.494.000			95.348		0	7.585.348	0
	TRÂN VÂN NGOC	Nam	Thôn 5	5		Số độ	1690	64,6	3,8	854b	6	túa		2,584,000		3.876.000			82.236		0	6.542.236	Ngoe
18	NGUYÊN HÛU CHÛ	Nam	Thôn 5	4	x	Số đó	1930	65,0	3,4	855	6	Na		2.600,000		3,900,000			82.745	1.200.000	0	7,782,745	8 90 100
9	LÊ THỊ LÝ	No	Thou 5	3		Số đó	670	46,5	6,9	833	6	lúa		1.860.000	2 3	0 2.790.000			59,195		0	4,709,195	chất (60
90	LÉ HỮU TƯỚNG	Nam	Thon 5	s		Số đô	450	36,5	8,1	834	6	lán		1,460,000		2.190.000			46.465			3,696,465	Sind Sv
n	LÉ THỊ HOA	No.	Thôn 5	3		Số đó	385	40,7	10,6	835	6	him		1,628,000		0 2.442.000	24.000.000		51.811		3,000.000	31,121,811	Litoa
2	LÉ NGUYÉN CƯỚNG	Nam	Thon 5	6		Số độ	1265	35,7	2,8	857	6	lúa		1.428.000		0 2.142.000			85,446			3.615.446	Curry

	100																		
	-																		
3	LÊ QUÝ NGÀ	Nam	Thôn 5	3.		Số đo	1859	35.0	1.9	931	63	Nia	1,400,000	2 100 000		44 555		3.544,555	Ugat
4	LÊ THÉ HÓNG	Nam	Thin 5	0		Số đó	1466	4,0	0,3	948		lús	160 000	240.000		5,092		405,092	Home
5	NGUYÊN HŒU THE	Nam	Thôn 5	53		Ső do	2020	2.0	0;1	971	*	lúa	80.000	120 000		2.546		202.546	Phu
6	NGUYÊN HÛU. HAL	Num	Thôn 5	6		Sô do	1684	2.0	0,1	972	6	Man	80 000	(20.000		2.546		202.546	Hai
17	LÊ SÝ CHI	Nam	Thôn 6	4:		Số độ	1370	2.0	9,1	974	6.	Na	80.000	120.000		2.546		202.546	Ry.
18	LÉ VÀN SƯ	Nam	Thôn 6	s		Số độ	1695	2.0	0.1	1.002	6	lúa	80.000	120,000		2.546		202.546	C6 2
10	LÉCONGDÁN	San	Thon 6	6	1	Sãoto	1800	35.0	1.9	1.005	*	Vita	1,490,000	2,100,000		44,855		3,544,555	Manifi co
iu)	NGUYÊN THỊ ĐƯ	Ne	Thôn t			Số đo	1886	14,0	0,7	470	10		560.000	840.000		17.822		1.417.822	Thasb
11	NGUYÊN VÂN TUỐNG	Nan	Thôn I	6		Sã đó	1966	109,7	5,6	471- 410	10.		4.388.000	6.582,000		139.648		11.109.648	tury.
12	NGUYÊN VÂN THÂNH	Nan	Thôn I	5		Sá do	1778	154,3	8,7	518	10		6.172.000	9.258.000		196.424		15,426,424	Thank
43	LÊ THANH HÂI	Nam	Thôn I	4		Số độ	1128,1	129,5	ti,s	437	10		5.180.000	7,770,000	24.000.000	164.854	6,00	0.000 43.114.854	R
64	LÊ THEVIEN	No	Thôn 2	4	x	Số đã	797	70,2	8,8	436	10		2.808.000	4.212.000		89.365	2.400.000	9,509,365	wien
45	NGUYÊN THI VÉ	No	Thôn 2	4.		Số đo	1367	54,4	4,0	435	10		2.176.000	3.264.000		69.251		5,509,251	√e²
46	HOÀNG TRONG CƯỚNG	Nam	Thon 2	à		Số đó	977	32,9	3,4	433	10		1.316,000	1.974.000		41.882		3,331.882	otima
47	ĐỘ VẬN KHÓI	Nam	Thôn 2	5		Số đã	1183	64,0	5,4	434	10		2,560,000	3.840.000		81.472		6.481.472	Kliss
48	CAO VÂN MINH	Nam	Thôn 2	4		Số đó	1083	33,3	3,1	133	10		1.332.000	1.998.000		42.391		3,372,391	Dayen (
19	NGUYÊN HÛU HÔNG	Nam	Thôn 2	8		Så đỏ	1634	36,7	2,2	380	10		1.468.000	2 202 000		46.719		3,716,719	1191
50	LÉ THỊ L'ÀN	Nam	Thôn 2	6		Så dö	1433	68,8	4,8	355	10		2.752,000	4.128.000		87.582		6,967,582	Chom
51	LÊ SÝ CƯƠNG	Nam	Thôn 2	4		Số đó	1606	3,3	0,2	155	10		132.000	198.000		4.201		334.201	

	Tổng cộng				-	+	+					-											2,787,316,000	121
	BTGPMB					Т																	53.187.548	18
	Hỗ trợ cái tạo đất lậu																						55,000,000	
	Thoë nr ván khao sát giá																						19,751,000	
	Tổng cộng			268				16957,9					0	0	678.316.000	0	1,017,474,000	648,000,000	162,600,000	21.587.407	6.000,000	126.000.000	2.659,377,407	10.25
6	NGUYÊN HÛU QUANG	Nam	Thôn 2	6	Så d	ló 20	072	5.3	0,3	134	10.				212.000		318,000			6,747			536,747	dhy
1.0	LÉ ТНІ ТНІ∕ОС	No	Thôn 2	6	Sód	6 19	946	2,1	0,1	154	10				84.000		125,000			2.673	9		212.673	Co Shua
4	LÉ VÂN HŨNG	None	Thor 2	*	Sod	D 14	445	2,9	0,2	148	m				116.000		174 000			3.692			293.692	Hay
7	HOÂNG NGỌC TUẨN	Nam	Thôn 2	+	Såd	lo se	633	6,4	0,4	150	10				256.000		384,000			8.147	5:		648,147	das
2	TRINH VÁN KHÁNH	Stan	Thôn 2	4.	Sád	i 17	753	4,2	0.2	151	10,				168,000	Ť.	252.000			5.347			425,347	Hierl

(Số tiền bằng chữ: Hai tỷ, bảy trăm tám mươi bây triệu , ba trăm mười sáu nghìn đồng)

DAI DIEN BAN QUẨN LÝ ĐỰ ẨN

GIÁM ĐỐC Nguyễn Xuân Trang DAI DIEN

HỘI ĐỒNG GPMB HUYỆN

Yawyên Van Gam

DAI DIEN

HỘ BỊ ẢNH HƯỚNG

Thanh Hóa ngày O 7 tháng 9 năm 2015

DALDIEN UBNO XÃ THIỆU ĐỘ