

Environmental Monitoring Report

Project 40253-023 and 40253-035
February 2019

Loan 2721-VIE: Greater Mekong Sub-region
Biodiversity Conservation Corridors Project – Vietnam
component (BCC Project)

and

Grant 0433-VIE: Greater Mekong Sub-region Biodiversity
Conservation Corridors Project – Additional Financing
(BCC-GEF Project)

ACRONYMS AND ABBREVIATIONS

ADB	-	Asian Development Bank
BCC	-	Biodiversity Conservation Corridors Greater Mekong Sub-region Project
CFM	-	Community Forest Management
CPC	-	Commune People's Committee
CPMU	-	Central Project Management Unit
CSC	-	Construction Supervision Consultant
DONRE	-	Department of Natural Resources and Environment
DMF	-	Project Design and Management Framework
DPC	-	District People's Committee
EIAR	-	Environmental Impact Assessment Report
EARF	-	Environment Assessment and Review Framework
EMP	-	Environmental Management Plan
EPP	-	Environmental Protection Plan
IEE	-	Initial Environmental Examination
MONRE	-	Ministry of Natural Resources and Environment
NRE	-	Nature Reserve
PFES	-	Payments for Forest Environmental Services
PPC	-	Provincial People's Committee
PPMU	-	Provincial Project Management Unit
RF	-	Resettlement Framework
SSI	-	Small Scale Infrastructure

CURRENCY EQUIVALENTS (as of 15 January 2019)

Currency Unit	–	VND
\$1.00	=	23250

ABBREVIATIONS

WEIGHTS AND MEASURES

dB(A)	–	Decibel (weighted average)
ha	–	hectare
kg/d	–	kilogram per day
km	–	kilometer
km ²	–	square kilometer
m	–	meter
m ²	–	square meter
m ³	–	cubic meter
m ³ /d	–	cubic meters per day
m ³ /s	–	cubic meters per second
mg/m ³	–	milligrams per cubic meter
mm	–	millimeter

NOTE

- (i) In this report, "\$" refers to US dollars.

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I. INTRODUCTION

A. Report Purpose and Rationale

1. The Environmental Monitoring Report is to evaluate the compliance with the environmental safeguards regulations of Greater Mekong Sub-region Biodiversity Conservation Corridors Project (The Project) in the process of project implementation, as stipulated by the Vietnam's Law and the Asian Development Bank's Safeguard Policy Statement (SPS 2009). This Environmental Monitoring Report for the second half of 2018 aims at evaluating the compliance of the Project activities with the Project's Environmental Assessment and Review Framework (EARF) over the period July to December 2018.

B. Project Objective and Components

B1. The BCC Project

2. The 'Greater Mekong Sub-region Biodiversity Conservation Corridors project – Vietnam Component' (referred to as BCC project) was approved through Decision No.2144/QĐ-BTNMT by Minister of Natural Resources and Environment, dated 11 November 2010. The project is implemented through a loan from the Asian Development Bank, co-financing from the Government of Vietnam, and contributions from project beneficiaries at its field implementation locations. The loan agreement between Asia Development bank and the Vietnam State Bank was signed on 5 May 2011, and the loan came into effect on 9 August 2011. Its implementation is from 2011 through 2019.

3. The BCC project design is embedded within a multipurpose, sustainable, biodiversity landscapes approach. The Project cover 35 communes in six districts across the three provinces and the communes that have been selected are (i) within the biodiversity corridor designed area, (ii) supporting ecosystem connectivity, (iii) considered poor communes, and (iv) holding good forest coverage to facilitate the connection of forest ecosystems. The project includes four specific components: (i) Institutional and community strengthening for biodiversity corridor management; (ii) Biodiversity corridor restoration, ecosystem protection, and natural resources sustainable management; (iii) Livelihood improvement and small-scale infrastructure supports; and (iv) Project management and supporting services. Through these, the project will:

- Enhance capacities for central, provincial, district and communal levels in the project implementing areas in biodiversity corridor planning, corridor plan development and implementation;
- Conduct forest rehabilitation and reforestation to the connectivity of biodiversity corridors and increase the medium-rich forest areas in the selected communes in the biodiversity corridor area; and
- Propose solutions for livelihoods and Millennium development goals linked with small-scale infrastructure to contribute to reduce poverty and improve the living conditions of ethnic minorities in poor mountainous districts in the project area.

B2. The BCC-GEF Project

4. The additional funding for the BCC project is financed by the Global Environment Facility (GEF), approved on 25 June 2015 and effective in February 2016, The project end in March 2019. The purpose of the grant is to address the impact of fragmentation of the forest landscape through the enhancement of (i) institutional and community capacities in the management of natural reserve and surrounding areas. Central Truong Son landscape; and (ii) community-level landscape conservation measures are strengthened.

5. The BCC-GEF has two sub-components including:

- Strengthen planning and management of forest biodiversity in and around natural reserves in the Trung Truong Son landscape.
- Community-level conservation measures at natural reserve and surrounding areas to provide sustainable financing and reduce greenhouse gas emissions.

II. PROJECT IMPLEMENTATION PROGRESS

II.1. The BCC Project

7. As of 31 December 2018, all project implementation arrangements such as operation and management establishment at all levels, staffing and technical consultants are still running as in the previous monitoring period. Progress or achievements in implementation of the project in the third and the fourth quarter of 2018 are summarized as follows:

8. At the time of writing the report, the implementation progress of the project activities has been steady. Almost activities are on track but there are delays for several activities.

Most of the main environmental and ecological impacts of the Project are positive impacts. Forest restoration planting, zoning for forest regenerations, non-timber products, livelihood support... have brought the positive impacts for the project implementation areas. The Project support to increase the forest coverage ratio, recover soil for plantation on the clearance area and harmonize socioeconomically development requirements with environmental protection during forest regeneration. If the model continues to be well protected, it will have the potential to recover into native trees forest, and build a value of sustainable ecological environment – humanity when the awareness of local people on forest value increase.

9. Particularly, the slow implementation of key project activities such as issuing land use right certificates, forest restoration and Community Forest Management (CFM) in project provinces that lead to a high risk of not achieving the project targets with deadlines set out in the project design and monitoring framework (DMF). Notwithstanding, the project has shown acceleration in some aspects of implementation; particularly in Component 1 as Thua Thien Hue PPC has approved the pilot program on the establishment of biodiversity conservation corridor connect Sao La Reservation Zone and Phong Dien NRE, Thua Thien Hue province. Quang Nam PPC has approved the pilot program on the establishment of biodiversity conservation corridor connect Sao La sanctuary with Song Thanh NRE and Elephant sanctuary in Quang Nam province. Quang Tri PPC has approved the pilot program on the establishment of biodiversity conservation corridor connect Dakrong and North Huong Hoa protected areas in Quang Tri province.

10. Under component 1, all three provinces have not yet completed the guideline on inter-provincial biodiversity conservation corridor establishment and management. It's expected to complete by Q1/2019. They will also prepare evaluation report on the implementation of biodiversity conservation corridor policy under BCC Project. In addition, LUC for households has not yet been implemented. It is expected to complete by Q1/2019.

11. Activities under Component 2 experienced some delay in forestation design and approval of the design results, and forest inventory. The forest restoration and commune forest management (CFM) that has been identified including 37 villages in 35 communes of 3 provinces. The total identified area is 13,989.26 ha which is higher than the minimum requirement of 10,000 ha. In parallel with the implementation of forest resources investigation, the development and approval of guidelines and regulations, establishment of CFM operating and management arrangements have been completed in 34/37 villages (10 villages in Quang Tri; 13 villages in Thua Thien Hue; and 11 villages in Quang Nam), remaining ones are estimated to complete in January 2019. However, at the time of writing the report, LUC for the communities has not yet been completed in all 3 provinces.

12. With the current progress, the DMF target of 6,000ha for forest restoration and its completion by 2018 will not be achieved. In addition, the tending period will be less than 03 years and thus would risk the forest sustainable management. With the short time remaining and decrease in the net loan value, in the Aide-memoire (AM) with ADB (October 2018) it was agreed that the current eligible area of forest identified for

plantation and regeneration/enrichment should be final in order to allow focus on plantation and tending/maintenance: Thua Thien Hue – 1.272,5 ha, Quang Tri – 1.599,4 ha, and Quang Nam – 1.795,7ha which has made a total of 4.667,6 ha against the DMF target of 6,000 ha. Up to the end of December 2018, total forest restoration area in accordance with the reports of 3 provinces 4.510,15 ha, made up 75.1% of the 6,000 ha target, make up 96,62% of the plan in AM in October 2018 (4,667.6ha)

13. The result of forest restoration area of 03 provinces, generated from provincial reports is summarized in Table 2 below.

Table 1- Result of forest restoration activities up to December 2018 in 3 provinces in compare with the Project target

Activity	Quang Tri		Thua Thien Hue		Quang Nam		The whole Project	
	2018	Cumulating from the beginning	2018	Cumulating from the beginning	2018	Cumulating from the beginning	2018	Cumulating from the beginning
Forest recovery plantation	486.4	1231.4	100	626.3	72.2	644.3	307.0	2,502
Forest zoning	79.2	110,6		136.2		1,151.35	79.2	1,398.15
Forest enrichment		100,0		510.0				610
Livelihood forest plantation	20.9	342.7		550.0		432.92	18.9	1,325.62
Non-timber plantation	336.2	784.5		1,298	140	670	362.4	2,752.5

Small-scale infrastructure subproject:

14. By December 2018, 43 among the current total of 78 subprojects have been completed and handed over. The number of the sites that were completed and handed over in Quang Nam is 22/25 sites, 17/23 sites in Quang Tri, and 10/30 sites in TT-Hue. Detail information is showed in Table 2 below.

15. In this monitoring period, Quang Nam has completed construction works with 23/25 subprojects, 2 remaining works are under construction.

16. In Quang Tri, 02 subprojects have not completed construction work in this monitoring period yet. Subproject QT02 - Upgrading Village-Linking Road of Huc Nghi - La To villages - has been cancelled due to

part of the route has been constructed with other funding source. Quang Tri PPMU has been approved with 2 replacements: (i) QT23 - Upgrading Rural Road in La To Village; and QT24 - Upgrading Huc Nghi commune primary & secondary school. These two subprojects are now under bidding procedures and expected to start construction in the first quarter of 2019. Technical and safeguards reports will be prepared and submitted to ADB for review and approval. In total, 17/23 subprojects have completed, 2 other subprojects are under construction.

17. For Thua Thien Hue: There is a delay in the activities mainly because funds were not allocated to TTH PPMU for 2017 until end of November 2017. Agreement was reached during the last review mission that additional water supply subprojects will not be included in the investment list for Thua Thien Hue, therefore, 14 replacements sites were approved by ADB for technical reports, including safeguard reports for these 14 subprojects. 6 communal houses construction subprojects in A Luoi district have been completed in the monitoring period. Up to end of December 2018, there is only 10/30 subprojects have completed construction in Thua Thien Hue.

Table 2 - List of all small-scale infrastructure subprojects under BCC Project

No.	Subproject name	Location	Environment category	Status
QUANG TRI				
QT 01	Upgrading of internal path in Hoong village	Huong Linh, Hoa, Quang Tri	B	Completed in 05/12/2015
QT 02	Upgrading Village-Linking Road of Huc Nghi – La To villages	Huc Nghi, Dak Rong, Quang Tri	B	<i>Cancelled</i>
QT 03	Upgrading Village-linking road of Nguon Rao – Pin Villages	Huong Son, Hoa, Quang Tri	B	Completed in 14/1/2016
QT 04	Upgrading of internal path in Ta Leng village	Dak Rong, Dak Rong, Quang Tri	C	Completed in 17/02/2016
QT 05	Upgrading of spillway road in Cat village	Dak Rong, Dak Rong, Quang Tri	C	Completed in November 2017
QT 06	Upgrading of internal path in Pa Hy village	Ta Long, Dak Rong, Quang Tri	C	Completed in 25/12/2015
QT 07	Upgrading of internal path in Ta Rut 2	Ta Rut, Dak Rong, Quang Tri	C	Completed in November 2017
QT 08	Upgrading of internal path in Ta Rut 1	Ta Rut, Dak Rong, Quang Tri	C	Completed in 16/2/2016
QT 09	Upgrading Ta Rec - Ta Mien inter-village road	Ba Nang, Dak Rong, Quang Tri	C	Completed in January 2019

QT 10	Upgrading of access road to Ta Rung - Ka Tieng - Chai production area	Huong Viet, Hoa, Quang Tri	C	Completed in January 2019
QT 11	Upgrading of Kareng 1 - Pa Loang inter-village road	Huong Hiep, Dak Rong, Quang Tri	C	Completed in August 2018
QT 12	Concretization of irrigation canals in Ta Nuc and Huc Thuong	Huc, Huong Hoa, Quang Tri	C	Completed in 30/4/2016
QT 13	Rehabilitation of irrigation canal in Cu Bai village	Huong Lap, Hoa, Quang Tri	C	Completed in 19/2/2016
QT 14	Rehabilitation and upgrading of irrigation system in Cheng and Chenh Venh villages	Huong Phung, Hoa, Quang Tri	C	Completed in 17/2/2016
QT 15	Field reclamation in Cu Dong village	Huc, Huong Hoa, Quang Tri	C	Completed in November 2017
QT 16	Kindergarten construction at Ba Ngay village	Ta Long, Dak Rong, Quang Tri	C	Complete in January 2019
QT 17	Kindergarten construction at Moi village	Huong Son, Hoa, Quang Tri	C	Completed in September 2017
QT 18	Communal house in Huong Do village	Huong Phung, Hoa, Quang Tri	C	Completed in September 2017
QT 19	Communal house in Miet Cu village	Huong Linh, Hoa, Quang Tri	C	Completed in September 2017
QT 20	Kindergarten construction at Cuoi village	Huong Lap, Hoa, Quang Tri	C	Completed in December 2018
QT 21	Upgrading road to production area of Chenh Venh village	Huong Phung, Hoa, Quang Tri	C	Complete in January 2019
QT 22	Rehabilitation and upgrading of irrigation system in Cup village	Huong Lap, Hoa, Quang Tri	C	Completed in June 2018
QT 23	Upgrading rural road in La To village	Huc Nghi, Dakrong, Quang Tri	N/A	Expected to complete in 2019
QT 24	Rehabilitation and upgrading of irrigation system in Cup village	Huong Lap, Hoa, Quang Tri	N/A	Completed in February 2018

QUANG NAM				
QN 01	Concrete road in Bhlo 1	A Vuong, Tay Giang, Quang Nam	C	Completed in 17/8/2016
QN 02	Upgrading concrete road to A Banh 2 village	Tr'Hy, Tay Giang, Quang Nam	B	Completed in 24/4/2018
QN 03	Inner concrete road in Dak Ngon village	La Ea, Nam Giang, Quang Nam	B	Completed in September 2017
QN 04	Concrete road in A Ruung village	Bhalee, Tay Giang, Quang Nam	C	Completed in 10/10/2016
QN 05	Secondary school in La Dee commune (Function house)	La Dee, Nam Giang, Quang Nam	C	Completed in 19/06/2018
QN 06	Concrete road in Bhlooc, Bhalee commune	Bhalee, Tay Giang, Quang Nam	C	Completed in 26/2/2018
QN 07	Inner road in Dam village	Tr'Hy, Tay Giang, Quang Nam	C	Completed in 28/1/2018
QN 08	Auxiliary infrastructure of Son Ca kindergarten	Bhalee, Tay Giang, Quang Nam	C	Completed in 28/1/2018
QN 09	Drainage system in Gem settlement site, A Rot village	A Nong, Tay Giang, Quang Nam	C	Completed in 23/3/2018
QN 10	Concrete road to A Chui production site	A Nong, Tay Giang, Quang Nam	C	Completed in 19/01/2017
QN 11	Inner concrete road in Gem settlement site, A Rot village	A Nong, Tay Giang, Quang Nam	C	Completed in 23/3/2018
QN 12	Concrete road from Glao village to Dading village	Gari, Tay Giang, Quang Nam	C	Completed in 02/4/2018
QN 13	Inter-village concrete road from Knoonh 1 to Knoonh 3	A Xan, Tay Giang, Quang Nam	C	Completed in 31/3/2018
QN 14	Primary school for Re'h village	Ch'Om, Tay Giang, Quang Nam	C	Completed in 8/2018
QN 15	Auxiliary infrastructure of Ta Lang residential site	Bhalee, Tay Giang, Quang Nam	C	Completed in 27/2/2018
QN 16	Concrete road in T-Ghey village	A Vuong, Tay Giang, Quang Nam	C	Completed in 9/10/2016

QN 17	Inner concrete road in Tr'lee residential site	A Tieng, Tay Giang, Quang Nam	C	Completed in 21/2/2018
QN 18	Household's toilets in cluster No.1 and No.2, R'bhuop village	A Tieng, Tay Giang, Quang Nam	C	Completed in 8/3/2018
QN 19	Household's toilets in Xa Oi 1	A Vuong, Tay Giang, Quang Nam	C	Completed in 6/2/2018
QN 20	Concrete road in Xa Oi 3 village	A Vuong, Tay Giang, Quang Nam	C	Completed in 26/9/2016
QN 21	Concrete road in A Gioc village	Bhalee, Tay Giang, Quang Nam	C	Completed in 9/9/2016
QN 22	Kindergarten in Pa Cang village	Ca Dy, Nam Giang, Quang Nam	C	Completed in 6/2/2018
QN 23	Inner concrete road in Pa Lanh village	Ca Dy, Nam Giang, Quang Nam	C	Completed in 26/2/2018
QN 24	Concrete road from Zlao residential cluster to communal center	Cho Chun, Nam Giang, Quang Nam	C	Completed in 26/4/2018
QN 25	Drainage system in Por'ning village, Lang commune	Lang, Tay Giang, Quang Nam	C	Completed in 20/12/2018
THUA THIEN HUE				
TH 01	Concretization of A Tau canal	A Roang, A Luoi, Thua Thien Hue	C	Completed in 30/7/2017
TH 02	Communal house in Huong Son village	A Roang, A Luoi, Thua Thien Hue	C	Completed in 2018
TH 03	Internal path in Pa Hy village	Hong Ha, A Luoi, Thua Thien Hue	C	Completed in 19/11/2016
TH 04	Pa Ring - A Rom Inter-village path	Hong Ha, A Luoi, Thua Thien Hue	B	Under construction
TH 05	Newly building of communal house at the commune center	Hong Trung, A Luoi, Thua Thien Hue	C	Completed in 2018
TH 06	Concretization of canals in Ka Cu 1 and Ka Cu 2 villages	Hong Van, A Luoi, Thua Thien Hue	C	Construction start in 03/2019
TH 07	Construct water supply systems for 3 villages of Hong Van commune	Hong Van, A Luoi, Thua Thien Hue	C	Not constructed yet
TH 08	Newly building of communal house in Viet Tien village	Hong Kim, A Luoi, Thua Thien Hue	C	Completed in 2018

TH 09	Upgrading of roads in village 5	Hong Kim, A Luoi, Thua Thien Hue	C	Constructed by other capital source
TH 10	Access road to production area in Can Tom stream	Huong Nguyen, A Luoi, Thua Thien Hue	C	Completed in 31/12/2017
TH 11	Upgrading of C5 and C8 water supply systems	Huong Phong, A Luoi, Thua Thien Hue	C	Not constructed yet
TH 12	Upgrading of community house in Huong Phu and Huong Thinh villages	Huong Phong, A Luoi, Thua Thien Hue	C	Completed in 2018
TH 13	Road and submersible bridge to production area in Ka Non 2 village	Huong Lam, A Luoi, Thua Thien Hue	C	Not constructed yet
TH 14	Communal house in A So 1 village	Huong Lam, A Luoi, Thua Thien Hue	C	Under construction
TH 15	Concretization of canals in village 3	Thuong Quang, Nam Dong, Thua Thien Hue	C	Construction start in 03/2019
TH 16	Internal path village 3, Thuong Quang commune	Thuong Quang, Nam Dong, Thua Thien Hue	C	Completed in April 2017
Replace and additional subprojects				
TH 01	Internal path to production site of village 3	Thuong Quang, Nam Dong, Thua Thien Hue	C	Under construction
TH 02	Internal path to production site of village 5	Thuong Long, Nam Dong, Thua Thien Hue	C	Under construction
TH 03	Internal path to Village No.7 production site	Thuong Quang, Nam Dong, Thua Thien Hue	C	Under construction
TH 04	Internal path to production area in village 1	Thuong Quang, Nam Dong, Thua Thien Hue	C	Under construction
TH 05	Building fence, playing ground and toilet of Village No.5	Thuong Long, Nam Dong, Thua Thien Hue	C	Not constructed yet
TH 06	Building fence, playing ground and toilet of Village No.7	Thuong Long, Nam Dong, Thua Thien Hue	C	Not constructed yet
TH 07	Internal path to production area in Pa Hy village	Hong Ha, A Luoi, Thua Thien Hue	C	Under construction
TH 08	Water supply systems in 3 villages of Huong Lam commune	Huong Lam, A Luoi, Thua Thien Hue	C	Not constructed yet

TH 09	Internal path in A Tia 1 village	Hong Kim, A Luoi, Thua Thien Hue	C	Under construction
TH 10	Upgrading communal house of Ta-Ay and A Nieng villages	Hong Trung, A Luoi, Thua Thien Hue	C	Not constructed yet
TH 11	Inter-village road Cha Du - Nghia	Huong Nguyen, A Luoi, Thua Thien Hue	C	Under construction
TH 12	Internal path in Dut village	Hong Trung, A Luoi, Thua Thien Hue	C	Under construction
TH 13	Internal path in Hong Van commune	Hong Van, A Luoi, Thua Thien Hue	C	Under construction
TH 14	Concrete road to production site from A Sap bridge to Ba Re streamlet	Huong Phong, A Luoi, Thua Thien Hue	C	Under construction

18. The implementation progress of small-scale infrastructure subprojects is still slow in the monitoring period, especially for Thua Thien Hue province. Up to the end of February 2019, for the initial proposed subprojects – the situation of 16 subprojects are described below:

- 4 subprojects have been completed including TH01; TH03; TH10; TH16
- 5 communal house subprojects: the construction of 04/05 subprojects have completed including TH02; TH05; TH08; TH12. The remaining subproject – Communal house in A So 1 village – is now under construction.
- 3 rural road subprojects: (i) TH04 is now under construction while (ii) TH13 is now under the preparation for subproject extension. (iii) TH09 is already constructed with other capital resources and it is now removed from BCC Project.
- 2 irrigation subprojects: TH06; TH15 are expected to start construction in March 2019.
- 2 water supply subprojects: TH07 and TH11 are not constructed yet.

19. For 14 replaced and additional subprojects of Thua Thien Hue province: 10 rural road subprojects are now under construction; 3 communal house subprojects and 1 water supply subproject are not constructed yet.

20. QT02, a category B subproject has been cancelled. In the current 5 category B subprojects, 4 have been completed. QT01 and QT03 have been completed in 2015 and 2016 respectively while QN02 and QN03 have been completed in April 2018 and September 2017 respectively. There is only TH02 - Pa Ring - A Rom Inter-village path - in Hong Ha commune, A Luoi district, Thua Thien Hue has not start constructed yet.

II.2. The BCC-GEF Project

21. The establishment of Ngoc Linh Nature Reserve, Quang Nam province: On October 1, 2018, Quang Nam PPMU has signed contract with Design Consultant Firm to support the establishment of Ngoc Linh Nature Reserve. Currently, the Consultant collect the data, organize field visit and consult relevant stakeholders to setup the program of Ngoc Linh Nature Reserve as per the Contract.

Potential impacts: This activity has a positive impact on the environment, providing the basis for implementing measures of sustainable forest resources protection in the protected area.

However, a small number of people will be intended to move out of the expected core zone of this protected area. The population has not been identified at this time but the project will have a full assessment of the economic and social impact of the establishment of the Nature Reserve to reach agreement with Quang Nam PPC on resettlement options (if necessary) to ensure the social security and safeguard.

22. Conservation and sustainable development planning for Nature Reserve (NR): Four NR already completed the draft of PA's Conservation and sustainable development planning. Those planning reports have been approved by Department of Agriculture and Rural Development. However, those planning reports did not received approval from Provincial People Committee before 31st December 2018. From 1st Jan 2019, Conservation and sustainable development planning does not exist in Planning Law. Hence, CPMU is discussing with PPMU, PAMBs and ABD about the alternative measures for approving those planning reports.

For Ngoc Linh Natural Reserve in Quang Nam province: Quang Nam PPMU will conduct discussions and get consensus between the Consultant to transfer from developing a Conservation and Sustainable Development Plan to developing a Sustainable Forest Management Plan of Ngoc Linh PA as regulated by the Forestry Law. However, this Sustainable Forest Management Plan must be approved timely by the competent authority as required by the BCC-GEF Project.

23. NR Operation and Management Planning (OMP): Dakrong and North Huong Hoa NR, Quang Tri province has submitted OMP to Quang Tri PPC for approval; Song Thanh and Sao La NRs, Quang Nam province have organized the second consultancy workshop. Quang Nam DARD is now verifying before submit for approval; Phong Dien and Sao La NRs, Thua Thien Hue province are still waiting for the approval of the Planning, thus the second consultancy workshop is not organized yet; Ngoc Linh NR, Quang Nam province is now postponing this activity and waiting for the completion of the establishment Document.

Potential impacts: There are low potential negative environmental impacts from the operation of PA's OMP when it focuses on forest and biodiversity management. However, mitigation methods will be applied to reduce environmental impacts from the operation of PA's OMP for potential impacts from planning step to operating step.

24. Village/commune conservation planning (VCP): On June 20, 2018, CPMU has issued the technical Guideline Conservation planning at village level. From July 19 to August 14, 2018, PAMS1 Consultant Team has organized training courses and support 6 villages on VCP planning (06 days/ village). Up to now, 40/40 villages have completed the draft VCP. The priority activities of the 40 VCPs, which are using the Project budget, have been updated by CPMU and procurement methods were submitted to ADB and MONRE for approval and implement.

Potential impacts: The implementation of VCPs for 40 villages in buffer zone of 6 PAs not only contribute to increase the effectiveness of PA's management but also directly promote conservation activities at village level. Despite, there are potential environmental impacts from livelihood development of VCPs, the project tried to avoid negative environmental impacts by giving priority for direct conservation activities of VCPs. In other hand, mitigation measures will be applied and monitored in the VCP's implement process.

25. Capacity building for the staff of the NRs: The Project has organized 10/11 training courses, except the Training course on Field trip technique that were planned in 2018 but could not be done due to the Project could not allocate suitable staff for this course in December 2018.

26. Targeted species conservation planning: CPMU has selected 03 Consultants for targeted species conservation planning of 3 provinces. These consultants have been mobilized from 10/2018 (the implementation period is 06 months). Up to now, the consultants have collected secondary data, documents and implemented field trips; consult the relevant stakeholders to complete the species conservation planning.

Potential impacts: These activities have a positive impact on the implementation of the biodiversity conservation management objectives of the project.

27. Effective NRE Management: In 2018, the two Sao La NRs of Thua Thien Hue and Quang Nam provinces have been evaluated as the highest effective NR management. Ngoc Linh NR is now under the establishment process so it has the lowest management effectiveness.

28. Sustainable Finance Improvement through the evaluation of Payments for forest environmental services (PFES): The consultancy workshop for the Draft PFES Guidelines at the buffer zone of the NRE has been organized on September 28, 2018 in Da Nang. Currently, this activity is slower than the designed plan due to revised work of PAMS1 Consultant team on the draft Guideline follow the comments at the workshop is not meet the requirements of the CPMU. Potential impacts: This activity has a positive impact, promoting community participation in forest resource protection. PFES experiences over the country will be studied so that the project can develop the guideline of extension of PFES within the project scope to avoid negative risks, social issues such as non-transparency in management, equity in benefit distribution.

29. Sustainable Forest Management (SFM) and Enhancement of forest carbon stocks (REDD+) and establish provincial impact monitoring & protection system: CPMU has completed the negotiation process with the No.1 contractor in term of technical perspective and submitted Vietnam Environmental Agency the selection result for approval. Up to now, this contract is still not awarded yet. CPMU has sent request to ADB for the extension of contractor selection.

III. INSTITUTIONAL SETUP AND RESPONSIBILITIES FOR EMP IMPLEMENTATION AND SUPERVISION

A. Institutional responsibilities for environmental management

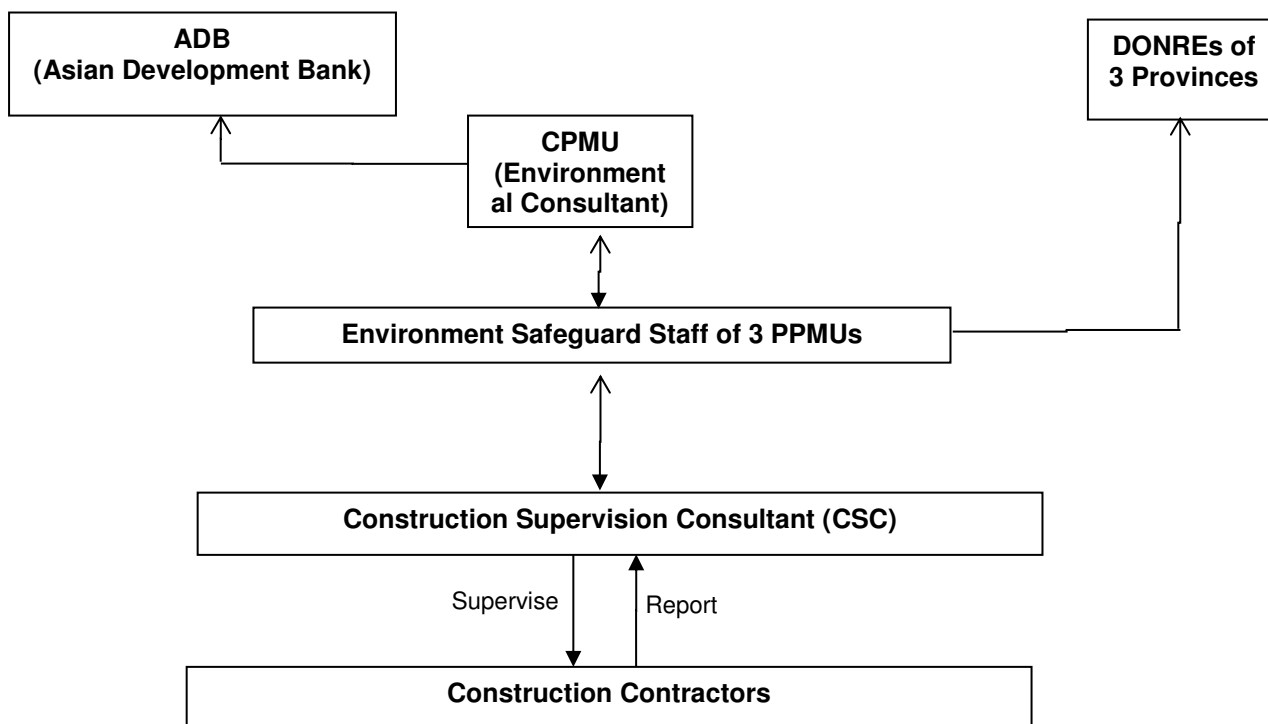


Figure 1 - Environment Management Organization Chart of BCC Project

30. The Environment Management Organization of the Project is illustrated in the chart above. There is no independent environmental supervision consultant as the small scale of subprojects. CSC of each subproject is also responsible for daily environmental monitoring at the subproject's site during the construction period.

31. List of environmental management personnel of the Project is shown in Table 3 below.

Table 3 - List of environmental management personnel

Stt	Name	Position	Contact
1	Nguyen Thanh Duong	CPMU's Consultant	nguyenthanhduong@gmail.com
2	Tran Ha Dien	Quang Nam PPMU's Officer	h.dientran@gmail.com
3	Luu Thi Binh	Quang Tri PPMU's Officer	cumy171@gmail.com
4	Nguyen Viet Hung	Thua Thien Hue PPMU's Deputy Director	hunghoan65@gmail.com

B. Incorporation of Environmental Requirements into Project Contractual Arrangements

32. The environmental protection regulations have been defined clearly in the contract with the construction contractors:

- The Contractor must apply suitable mitigation measures (as described in the REA for Category C subproject) in all construction sites to minimize impacts to local people's lives and properties from the subproject construction's activities.

- The Contractor must ensure that powered mechanical equipment and vehicle emissions to meet national TCVN/QCVN standards. All construction equipment and vehicles shall have valid certifications indicating compliance to vehicle emission and noise creation standards.

IV. COMPLIANCE WITH ENVIRONMENT RELATED PROJECT COVENANTS

33. In accordance to Loan Agreement's and Loan covenants, the implementation of the Project should comply with the Schedule 5.

Table 4 - Checklist on EMP compliance with Loan Covenant

	Environmental Safeguard Requirement in Loan covenant	Status of compliance
Schedule 5	The Borrower shall ensure that the Project facilities are constructed and operated in compliance with the Borrower's applicable environmental laws and regulations and ADB's Safeguard Policy Statement (2009), and that no Subproject with significant adverse environmental impacts is financed under the Project. In particular, the Borrower shall cause MONRE and PPC to ensure that Subprojects are carried out in accordance with environmental assessment procedures provided in the environmental assessment and review framework, and the respective Subproject environmental management plans as agreed between the Borrower and ADB.	Being complied with
Schedule 5	- The Borrower shall cause MONRE and PPC to ensure that no Subproject with Category A environmental criteria as defined in the Safeguard Policy Statement, is financed under the Project.	Being complied with

34. The applicable environmental laws and regulations of Vietnam are as follow:

1. Laws

- Law No. 55/2014/QH13 of 23 June 2014 by the National Assembly on environment protection
- Law No. 17/2012/QH13 of 21 June 2012 by the National Assembly on water resources
- Law No. 20/2008/QH12 of 13 November 2008 by the National Assembly on biodiversity
- Law No. 68/2006/QH11 of 29 June 2006 by the National Assembly on standards and technical regulations
- Law No. 29/2004/QH11 of 03 December 2004 by the National Assembly on forest protection and development

2. Decrees and Regulations

- Decree No. 18/2015/ND-CP dated February 14, 2015 on environmental protection planning, strategic environmental assessment, environmental impact assessment and environmental protection plans.
- Circular No. 27/2015/TT-BTNMT dated May 29, 2015 on strategic environmental assessment, environmental impact assessment and environmental protection plans.

- Circular No. 36/2015/TT-BTNMT of 30 June 2015 by the Ministry of Natural Resources and Environment stipulating hazardous waste management
 - Decision 07/2012/QĐ-TTg dated February 08, 2012 of the Prime Minister promulgating some regulations on intensified enforcement of forest protection
 - Decision 186/2006/QĐ-TTg dated August 14, 2006 of the Prime Minister promulgating the Regulation on forest management
 - Decree 09/2006/ND-CP dated 16th January, 2006 of the Government on forest fire prevention and control
 - National Technical Regulations on air and noise quality
 - QCVN 05: 2013/BTNMT on ambient air quality
 - QCVN 26: 2010/BTNMT on noise
 - QCVN 27: 2010/BTNMT on vibration
 - National Technical Regulations on water quality
 - QCVN 01: 2009/BYT on drinking water quality
 - QCVN 02: 2009/BYT on domestic water quality
 - QCVN 08-MT:2015/BTNMT on surface water quality
 - QCVN 09-MT:2015/BTNMT on underground water quality
 - QCVN 14: 2008/BTNMT on domestic wastewater
3. Other legislation applicable to the subproject are the following:
- Law No. 27/2001/QH10 of 29 June 2001 by the National Assembly on fire prevention and fighting
 - Law No. 40/2013/QH13 of 22 November 2013 by the National Assembly on amending and adding a number of articles of the Law No. 27/2001/QH10 of 29 June 2001 on fire prevention and fighting
 - Decision No. 3733/2002/QĐ-BYT of 10 October 2002 by the Ministry of Health promulgating 21 labor hygiene standards, 5 principles and 7 labor hygiene measurements
 - Law No. 50/2014/QH13 of 18 June 2014 by the National Assembly on construction
 - Circular No. 22/2010/TT-BXD of 03 December 2010 by the Ministry of Construction on labor safety in work construction.
 - Law No. 10/2012/QH13 of 18 June 2012 by the National Assembly on labor code.

V. ASSESSMENT OF PROJECT READINESS

35. The proposed subprojects with construction activities during this monitoring period have been screened and categorized on environmental impact at the initial step based on (i) goal and outputs; (ii) main activities; (iii) location including proximity to protected areas, forests and other sensitive areas; (iv) estimated budget; and (v) estimated implementation schedule. There is no more category B subproject identified during this monitoring period.

36. In accordance to Decree No. 18/2015/NDCP, all subprojects - should prepare Environmental Protection Plan (EPP). PPMUs have prepared EPPs for all subprojects and submitted to relevant DPCs. DPCs have approved EPPs and the subprojects have started construction.

VII. MITIGATIONS MEASURES IMPLEMENTED IN THE REPORTING PERIOD

37. Several common mitigation measures have been implemented for Environmental Category C subproject as follows:

- Informed construction schedule and scope to local authorities and local people in advance
- No construction activities have been implemented in the rest hour (from 6 pm to 6 am of the following day).
- Construction machines were checked and maintained regularly.
- Fuel, oil and grease was stored in impervious ground with fenced and covers and far from water bodies.

During the monitoring period, there is no environmental incidents has happened. Environmental monitoring and completion reports have been prepared for all under construction and completed subprojects. The reports are attached as Appendix 2; 3 and 4 of this report.

VIII. ENVIRONMENTAL MONITORING

38. Environmental monitoring plan has been prepared for all 5 environmental Category B subprojects. The Construction Supervision Contractor (CSC) is in charged for environmental monitoring. Environmental compliance monitoring is implemented by Construction Supervision Consultant and PPMU to check if all construction activities implemented by Construction Contractors follow EMP, IEE/EARF and environmental impacts to local areas/local residents during construction. Monitoring is done on a daily basis by the CSC through visual inspection and aided by the monitoring checklist prepared by the CPMU Safeguards Consultant and approved by the ADB and the PPMU Compliance with EMP implementation monitoring.

39. During the monitoring period, there no activities of environmental Category B subprojects. 04 of them have been completed before this period, and 01 of them in Thua Thien Hue is still not constructed yet.

40. No large construction works have happened in Thua Thien Hue (includes the remain environmental Category B subproject) in the last half of 2018. During the construction of communal houses, there are no environmental incidents has happened in the monitoring period as well as in both Quang Nam and Quang Tri provinces. The contractor has fully complied and implemented mitigation measures as in the EMP.

IX. PUBLIC CONSULTATION, GRIEVANCE REDRESS MECHANISM

41. A public consultation meeting has been held in the preparation phase of each subproject. The information disseminated during public consultation included: (i) background of BCC Project and the subproject; (ii) basic information related to ADB and the Government requirement for environmental protection and management; (iii) potential impacts during subproject implementation and mitigation measures and (iv) the grievance redress mechanism.

42. During the preparation of the subproject, information is disseminated to local people on the scope of the subproject, and environmental and social impacts. Negative impacts of an environmental or social nature, or resettlement impacts, may occur during the construction and operational phases have been discussed with the community. Any comments/ suggestions of local people will be solved quickly, transparently in accordance with protected the law, particularly for people affected by the subproject. This grievance redress mechanism is classified by level and responsibilities of involved parties.

43. There are three steps to address complaints received from stakeholders:

- Stage 1: If a household or individual has any complaint, he/she can submit a complaint in written or verbal form to the representative of the CPC-community monitoring board (usually the Deputy Chairman of the commune). The CPC will work with the relevant PPMU to solve complaints and a representative of the PPMU will response in written form to the complainant. The response will include a summary of the complainant's rights to redress.
- Stage 2: If the complaint is not resolved within 7 days, the complainant may submit an application to the DONRE office of the district to resolve the complaint.
- Stage 3: If, after more than 15 days, no official response from DONRE office has been received, the complainant may submit a complaint in written form to DONRE. DONRE will require relevant DONRE office to solve the complaint. In case the complaint is still not resolved, DONRE will require environmental police to investigate and requested stakeholders to resolve the complaint.

44. If efforts to resolve disputes using the grievance procedures remain unresolved or unsatisfactory, APs have the right to send the case to local court of the relevant district. A diagrammatic outline of the process is shown below:

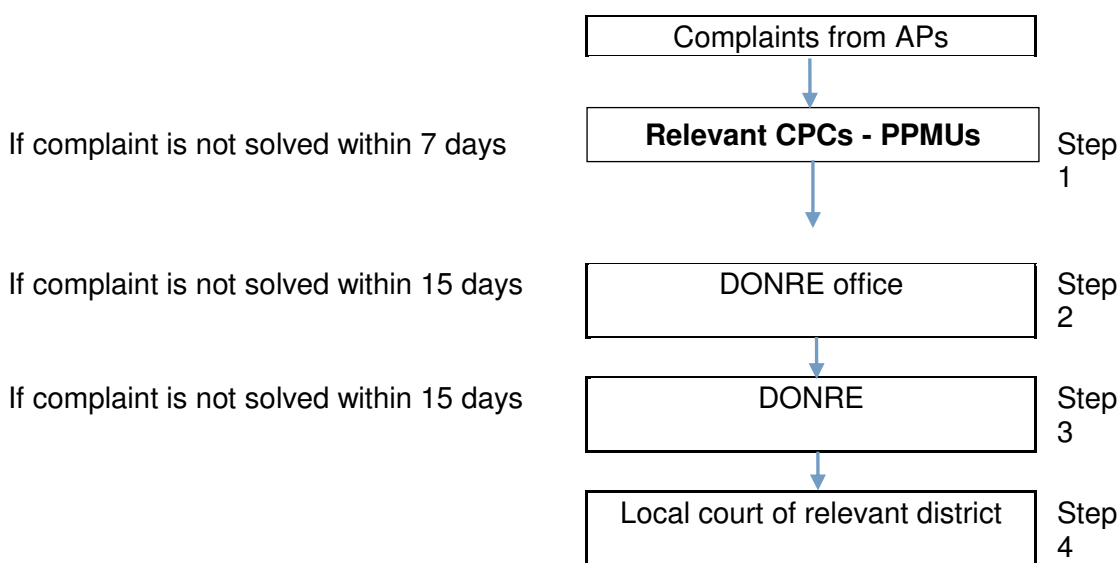


Figure 2 - Grievance redress process of BCC Project

45. Public consultation has been implemented for all subprojects before construction start.

46. During the monitoring period July - December 2018, there is no complain and negative reflection from local people has been recognized.

X. INSTITUTIONAL STRENGTHENING AND TRAINING

There is no training activities related to safeguard policy has been implemented in the monitoring period. The last training section has been held in Dong Ha city, Quang Tri province in March 2016 on safeguard policy compliance with participants are safeguard staff from Quang Tri; Quang Nam and Thua Thien Hue Province Implementation Units (PPMUs) and District Project Implementation Units (DPIUs).

For BCC-GEF, the training course on safeguards policies of ADB and Vietnam will be organized in Hue city from 11/03 to 14/03/2019. The participants are mainly staff of the BBC-GEF PIUs and Nature Reserves, National Parks. The result of this course will be updated in the next monitoring report.

XI. CONCLUSION

A. Overall Progress of Implementation of Environmental Management Measures

For BCC Project, Compliance with the Project's Environmental Safeguards during the construction of subprojects under small-scale infrastructure component for all category C subprojects has been satisfactory. The construction contractors have fully complied with the regulations on environment as required in REAs, EPP and EARF. The environmental monitoring and reporting system has been established to ensure the implementation of mitigation measures are qualified. Environmental monitoring reports have been prepared and submitted to the relevant PPMU in time.

There is neither infrastructure construction work nor waste-generated activities under BCC-GEF. The BCC-GEF concentrate on strengthening the institutional and community capacities in the management of natural reserve and surrounding areas. The main impacts of BCC-GEF are positive impacts on environment so there is no environmental monitoring system has been established for this Project package. All activities and implementation progress of BCC-GEF during this monitoring period have been integrated in this monitoring report.

B. Problems Identified and Actions Recommended

The implementation progress is still slow. There is no category B subproject is under construction during and has been completed in the monitoring period. QT02 has been cancelled so there is only 1 category B subproject has not started construct yet (TH02). 5/30 subprojects of Thua Thien Hue are now under construction while 12 subprojects have not started construct yet.

2 REAs for 2 subprojects which is replaced QT02 have been submitted and approved by ADB. These two subprojects are expected to start construction in the first quarter of 2019.

In case any of the new proposed subproject has been categorized as B on environmental issues, Quang Tri PPMU should prepare IEE for the subproject; in accordance with EARF before submit to ADB for approval.

XII. APPENDICES
Appendix 1 - Site inspection/ Monitoring form

Environmental Safeguard Site Inspection/ Monitoring form for Category B subproject
(Done by Construction Supervision Consultant (CSC) and submit to Safeguards Staff of PPMU
every quarter during the construction phase)

Form No.: month year.....

1. Subproject name:

2. CSC Information:

Name:

Company:

Phone number:

3. Contractor:

4. Project site:

Time: from date to date.....

Site environmental description (before inspection commencement) including weather condition:

Construction condition:

Environmental compliance issue	Mitigation measure	Contractor compliance level			
		1	2	3	4
I. Environmental component					
1. Air pollution	- No overload transportation vehicle with canvas				
	- Watering construction site and transportation route				
	- Moistening fine material before transportation				
	- Cover stockpile with tarpaulin				
	- Site clean up				
2. Exhaust gases, noise and vibration	- Legal registration of construction equipment				
	- No construction's activities at rest time				
	- Stockpile located far from sensitive receivers and				
3. Water pollution	- Site clean up after construction complete				
	- Wastewater collection ditch				
	- Collect waste oil, fuel				
	- Collect wastewater from worker's camp				
	- Allocate trash bin and toilet at worker camp,				
	- Leveling material mine after exploitation complete				
4. Waste management	- Dump waste at the designated location (with permission meeting minutes)				
	- Regularly collect and transfer waste from sites				
II. Social issue					
5. Water supply interruption (irrigation project)	- Inform local authorities and people in advance.				
	- Construction package by package.				
	- Equip worker with PPE				

Environmental compliance issue	Mitigation measure	Contractor compliance level			
		1	2	3	4
6. Health and safety issue	- Train worker on first aid				
	- Electrical safe system at construction site				
	- Training on electrical safety				
	- Built up hygiene worker camp				
	- Provide suitable water at camp site				
7. Influx of worker, social conflict	- Regularly clean the camp site				
	- Register for worker from outside.				
	- Training on social evils for worker				
	- Ensure safety and security at construction and camp				
8. Road and movement block	- Keep construction material and stockpile tidy				
	- Ensure good quality of the transportation routes				
	- Training on work safety				
	- Fence and set up signage at construction site				

Compliance level: 1- none compliance; 2- A little; 3 - Compliance; 4 - Very good
(Leave blank if not applicable in the project)

General comment:

- Issues:

- Reasons

- Recommendation:

-

Submission date:

Contractor

CSC

Signature

Appendix 2 - Environmental monitoring and completion report of Quang Tri

Subproject: QT09- Upgrading Ta Rec - Ta Men inter-village road

Type: General;

Location: Ta Rec – Ta Men village, Ba Nang commune, Dakrong district, Quang Tri province

Construction duration: 6 months; Status: Completed; Completion date: January 2019.

Contractor: Thanh An Joint Stock Company

Supervisor: BRC Construction and Investment Consultant Co. Ltd.

Monitoring parameters: exhausted gases from construction machines; dust, vibration, noise; construction waste and domestic waste, wastewater from workers.

There is no environmental issue has happen during the monitoring period. The Contractor has implemented all suitable mitigation measures to minimize the environmental impact during subproject implementation.



QT09 Field Photo in construction phase

Subproject: QT-10: Upgrading of access road to Ta Rung - Ka Tieng - Chai production area

Type: General;

Location: Ta Rung – Ka Tieng village, Huong Viet commune, Dakrong district, Quang Tri province

Construction duration: 6 months; Status: Completed; Completion date: January 2019.

Contractor: Pho Viet Joint Stock Company

Supervisor: BRC Construction and Investment Consultant Co. Ltd.

Monitoring parameters: exhausted gases from construction machines; dust, vibration, noise; construction waste and domestic waste, wastewater from workers.

There is no environmental issue has happen during the monitoring period. The Contractor has implemented all suitable mitigation measures to minimize the environmental impact during subproject implementation.



QT10 Field Photo in construction phase

Subproject: QT-11: Upgrading of Kareng 1 - Paloang inter-village
Type: General; Location: Kareng 1 - Paloang village, Huong Hiep commune, Đakrông district, Quang Tri province
Construction duration: 6 months; Status: Completed; Completion date: August 2018.
Contractor: Dai Hong construction investment – Pho Viet join-venture joint stock company
Supervisor: BRC Construction and Investment Consultant Co. Ltd.

Monitoring parameters: exhausted gases from construction machines; dust, vibration, noise; construction waste and domestic waste, wastewater from workers.

There is no environmental issue has happen during the monitoring period. The Contractor has implemented all suitable mitigation measures to minimize the environmental impact during subproject implementation.



QT11 Field Photo in construction phase

Subproject: QT-16: Kindergarten construction in Ba Ngay village

Type: House & Building;

Location: Ba Ngay village, Ta Long commune, Dakrong district, Quang Tri province

Construction duration: 6 months; Status: Completed; Completion date: January 2019.

Contractor: Duc Phat Commercial Construction Investment Joint Stock Company.

Supervisor: BRC Construction and Investment Consultant Co. Ltd.

Monitoring parameters: exhausted gases from construction machines; dust, vibration, noise; construction waste and domestic waste, wastewater from workers.

There is no environmental issue has happen during the monitoring period. The Contractor has implemented all suitable mitigation measures to minimize the environmental impact during subproject implementation.



QT16 Field Photo in construction phase

Subproject: QT-20: Pilot investment in kindergarden in Cuôi village

Type: General;

Location: Cuoi village, Huong Lap commune, Huong Hoa district, Quang Tri province

Construction duration: 6 months; Status: Completed; Completion date: December 2018.

Contractor: T&T Construction Consultancy Joint Stock Company

Supervisor: BRC Construction and Investment Consultant Co. Ltd.

Monitoring parameters: exhausted gases from construction machines; dust, vibration, noise; construction waste and domestic waste, wastewater from workers.

There is no environmental issue has happen during the monitoring period. The Contractor has implemented all suitable mitigation measures to minimize the environmental impact during subproject implementation.



QN20 Field Photo in construction phase

Subproject: QT-21: Upgrading the road to production area of chenh Venh village

Type: General;

Location: Chenh Venh village, Huong Phung commune, Huong Hoa district, Quang Tri province

Construction duration: 6 months; Status: Completed; Completion date: January 2019.

Contractor: Duc Phat Commercial Construction Investment Joint Stock Company

Supervisor: BRC Construction and Investment Consultant Co. Ltd.

Monitoring parameters: exhausted gases from construction machines; dust, vibration, noise; construction waste and domestic waste, wastewater from workers.

There is no environmental issue has happen during the monitoring period. The Contractor has implemented all suitable mitigation measures to minimize the environmental impact during subproject implementation.



QT21 Field Photo in construction phase

Appendix 3 - Environmental monitoring and completion report of Quang Nam

Subproject: QN01 - Concrete Road in Bho1

Type: General.

Location: A Vuong commune, Tay Giang district, Quang Nam province

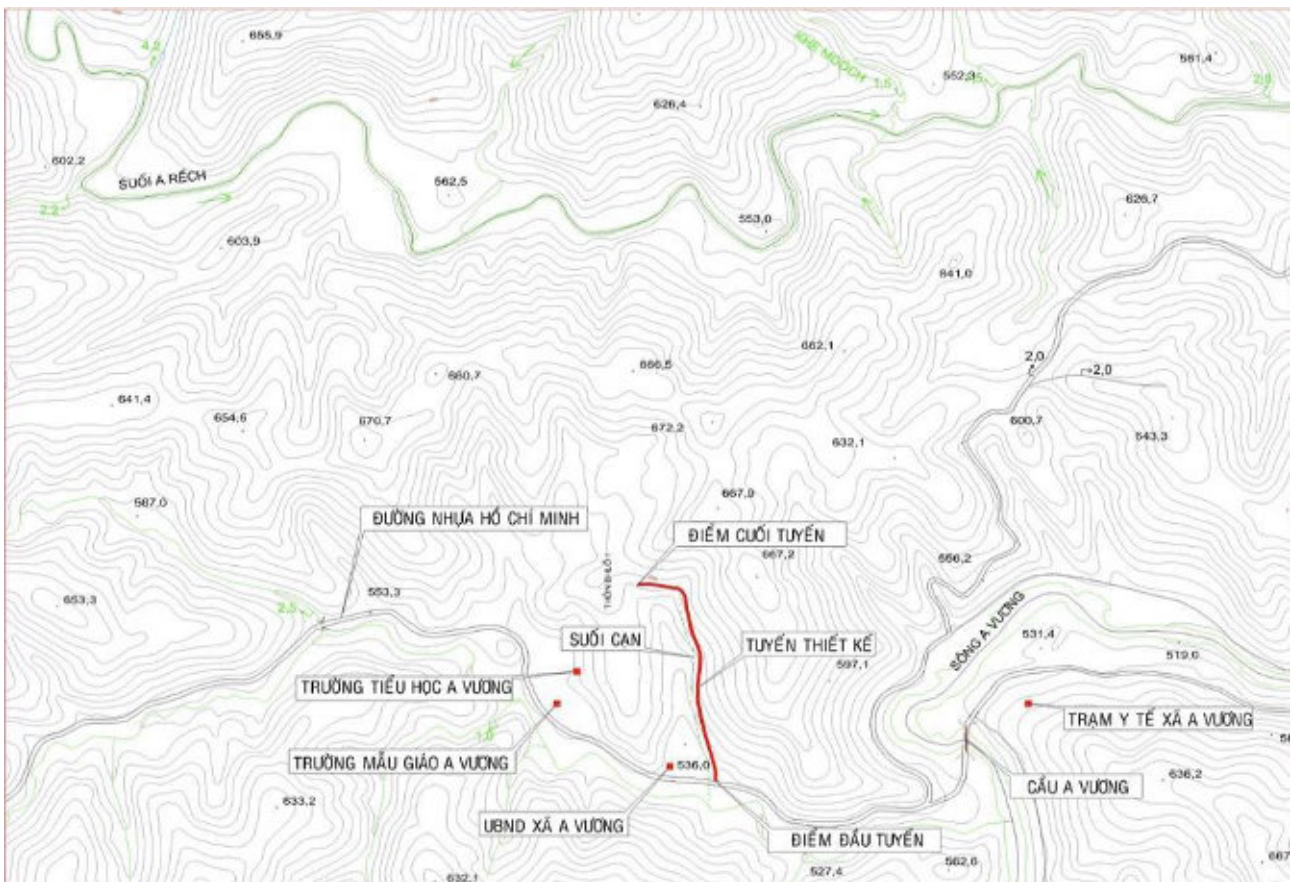
Construction duration: 50 days; Status: Completed. Completion date: 17 August 2016.

Contractor: Phuc Thinh Construction Co. Ltd.

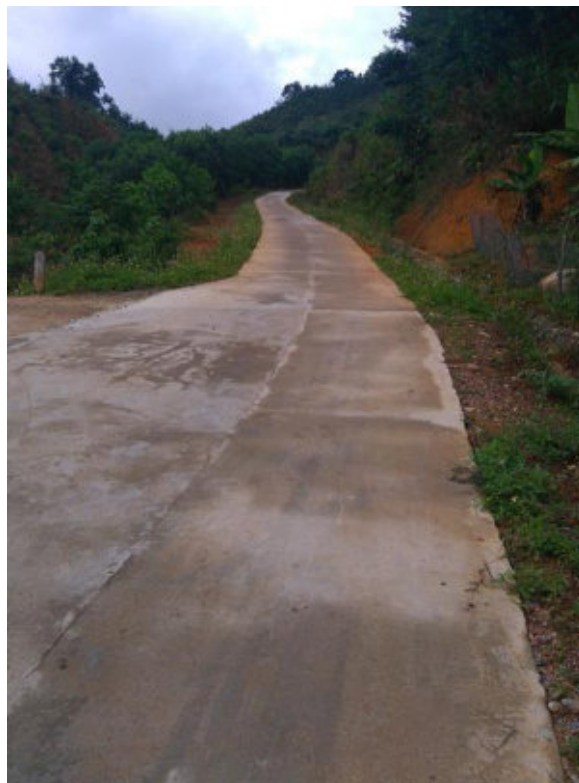
Supervisor: Phuoc Vinh Construction Consultant Co. Ltd.

Monitoring parameters: exhausted gases from construction machines; dust, vibration, noise; construction waste and domestic waste from workers; and storm-water runoff.

There is no environmental issue has happen during the monitoring period. The Contractor has implemented all suitable mitigation measures to minimize the environmental impact during subproject implementation.



QN01 Location Map



QN01 Field Photo

Subproject: QN02 - Concrete Road to A Banh 2 Village

Type: General.

Location: Tr'Hy commune, Tay Giang district, Quang Nam province

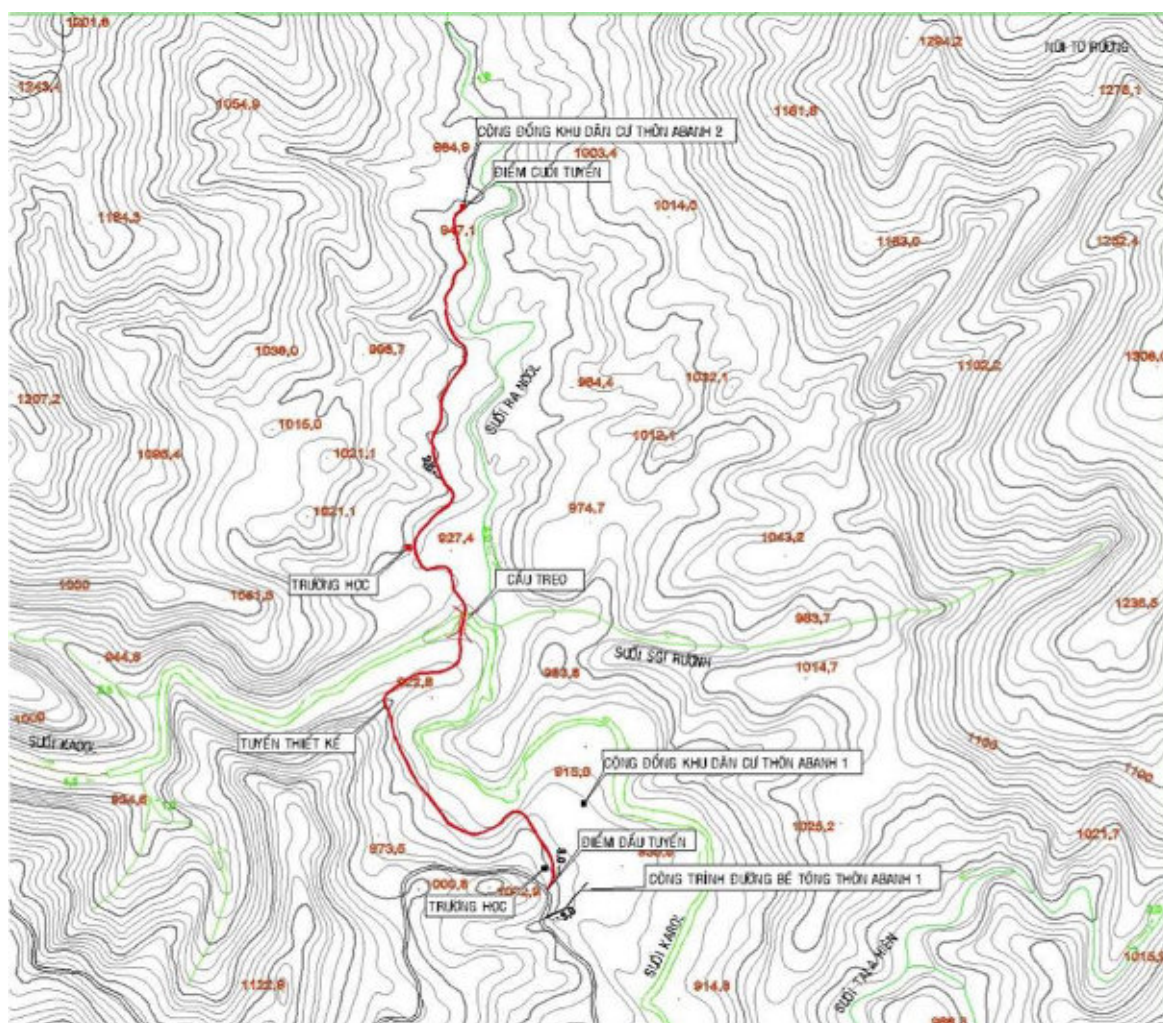
Construction duration: 120 days; Status: Completed; Completion date: 24 April 2018.

Contractor: Binh Hoang Co. Ltd.

Supervisor: Phuoc Vinh Construction Consultant Co. Ltd.

Monitoring parameters: exhausted gases from construction machines; dust, vibration, noise; construction waste and domestic waste from workers; and storm-water runoff.

There is no environmental issue has happen during the monitoring period. The Contractor has implemented all suitable mitigation measures to minimize the environmental impact during subproject implementation.



QN02 Location Map



QN02 Field Photo

Subproject: QN03 - Inner Concrete Road in Dak Ngon Village

Type: General

Location: La Ee commune, Nam Giang district, Quang Nam province

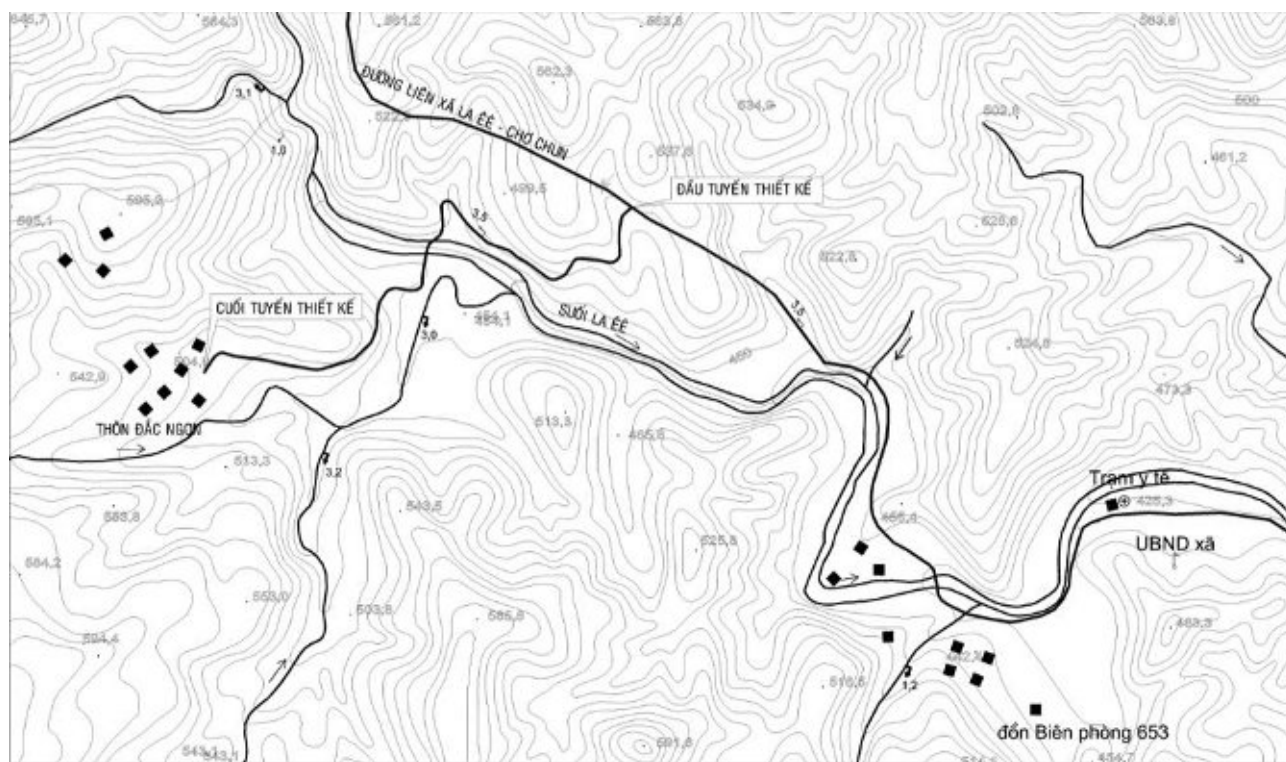
Construction duration: 168 days; Status: Completed. Completion date: 08 September 2017.

Contractor: Luc Dong Trade and Construction Co. Ltd.

Supervisor: Phuoc Vinh Construction Consultant Co. Ltd.

Monitoring parameters: exhausted gases from construction machines; dust, vibration, noise; construction waste and domestic waste from workers; and storm-water runoff.

There is no environmental issue has happen during the monitoring period. The Contractor has implemented all suitable mitigation measures to minimize the environmental impact during subproject implementation.



QN03 Location Map

Subproject: QN04 - Concrete Road in A Ruong Village

Type: General.

Location: Bhalee commune, Tay Giang district, Quang Nam province

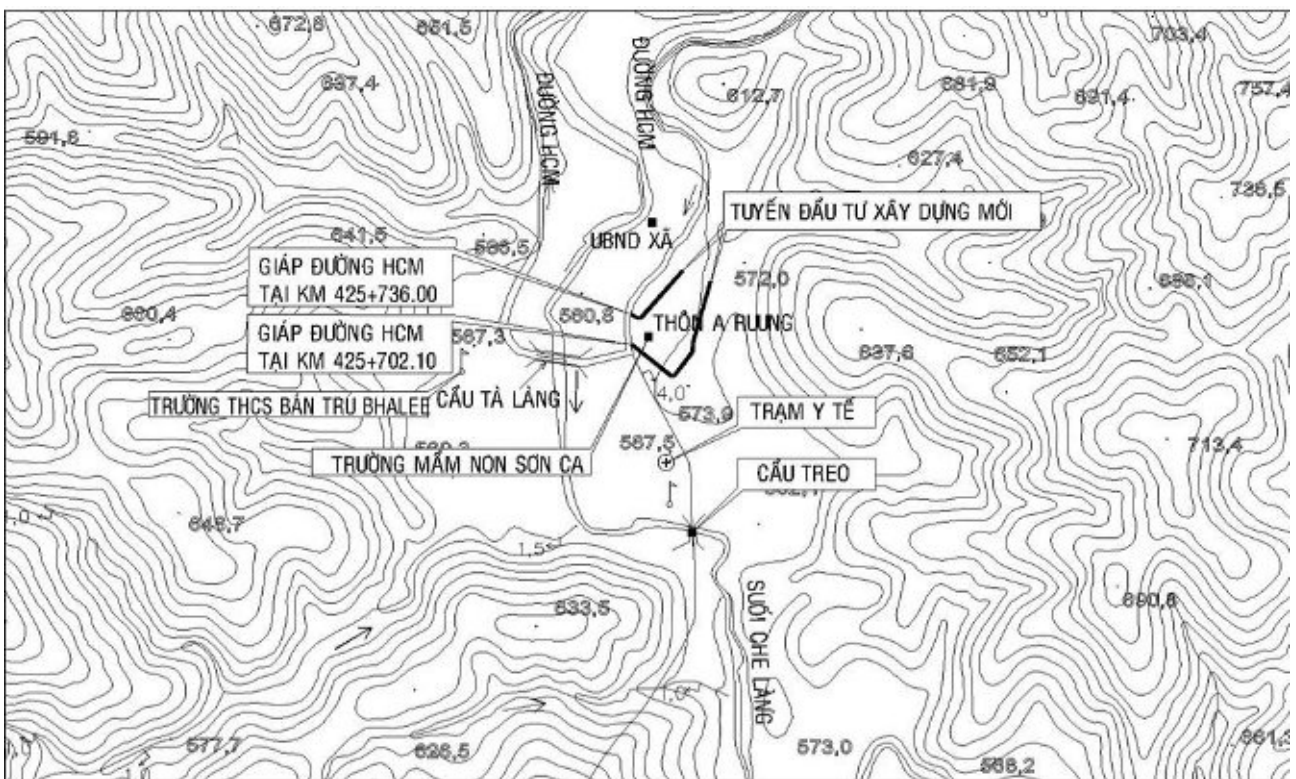
Construction duration: 56 days; Status: Completed. Completion date: 10 October 2016.

Contractor: Phuc Thinh Construction Co. Ltd.

Supervisor: Phuoc Vinh Construction Consultant Co. Ltd.

Monitoring parameters: exhausted gases from construction machines; dust, vibration, noise; construction waste and domestic waste from workers; and storm-water runoff.

There is no environmental issue has happen during the monitoring period. The Contractor has implemented all suitable mitigation measures to minimize the environmental impact during subproject implementation.



QN04 Location Map



QN04 Field Photo

Subproject: QN05 - Secondary school in La Dee commune

Type: House & Building.

Location: La Dee commune, Nam Giang district, Quang Nam province

Construction duration: 90 days; Status: completed; Completion date: 19 June 2018.

Contractor: Bach Khoa Consultant and Construction Co. Ltd.

Supervisor: Phuoc Vinh Construction Consultant Co. Ltd.

Monitoring parameters: exhausted gases from construction machines; dust, vibration, noise; construction waste and domestic waste from workers; and storm-water runoff.

There is no environmental issue has happened during the monitoring period. The Contractor has implemented all suitable mitigation measures to minimize the environmental impact during subproject implementation.





QN05 Field Photo

Subproject: QN06 - Concrete Road in Bhlooc, Bhalee Commune

Type: General.

Location: Bhalee commune, Tay Giang district, Quang Nam province

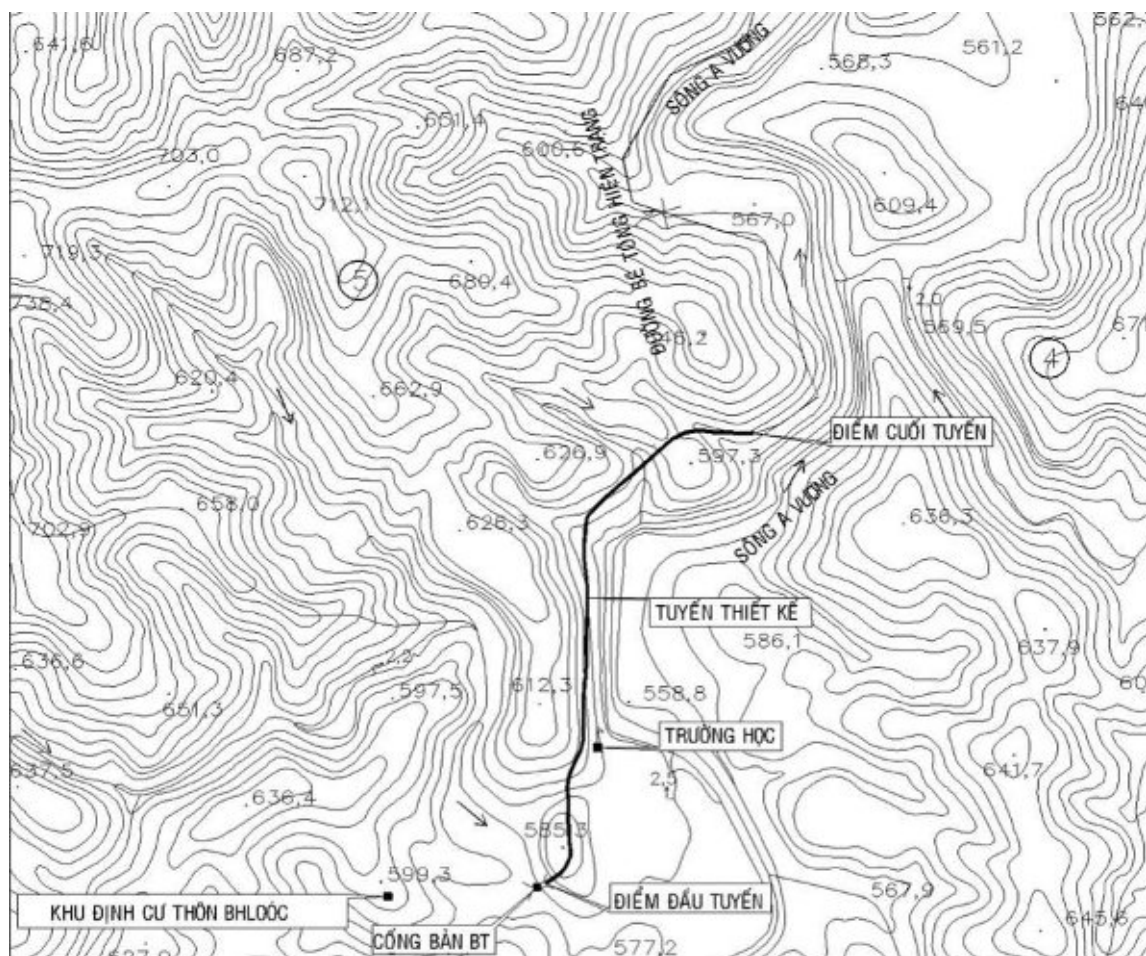
Construction duration: 60 days; Status: Completed; Completion date: 26 February 2018.

Contractor: An Thanh Luy Construction Trade & Services One Member Co. Ltd.

Supervisor: Phuoc Vinh Construction Consultant Co. Ltd.

Monitoring parameters: exhausted gases from construction machines; dust, vibration, noise; construction waste and domestic waste from workers; and storm-water runoff.

There is no environmental issue has happen during the monitoring period (up to 16 January 2018). The Contractor has implemented all suitable mitigation measures to minimize the environmental impact during subproject implementation.



QN06 Location Map



QN06 Field Photo

Subproject: QN07 - Inner Road in Dam Village

Type: General.

Location: Tr'Hy commune, Tay Giang district, Quang Nam province

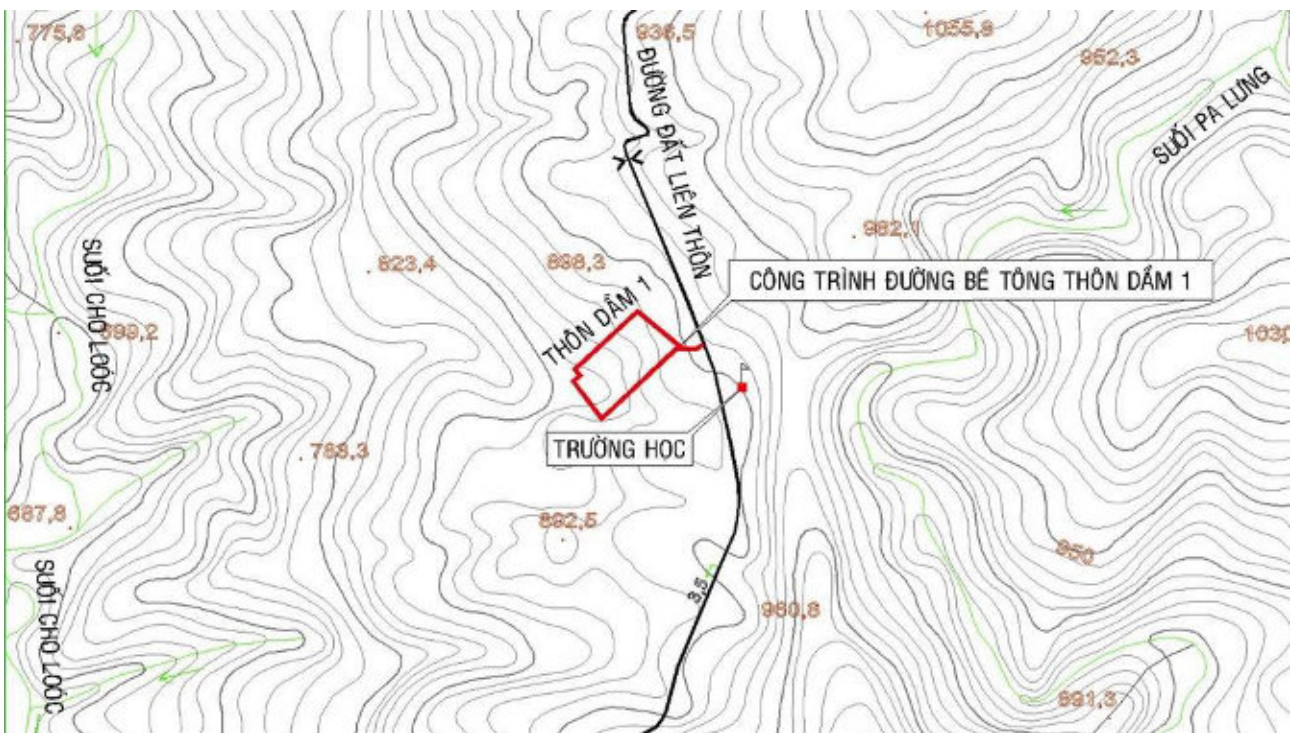
Construction duration: 30 days; Status: Completed; Completion date: 28 January 2018.

Contractor: Binh Hoang Co. Ltd.

Supervisor: Phuoc Vinh Construction Consultant Co. Ltd.

Monitoring parameters: exhausted gases from construction machines; dust, vibration, noise; construction waste and domestic waste from workers; and storm-water runoff.

There is no environmental issue has happen during the monitoring period (up to 16 January 2018). The Contractor has implemented all suitable mitigation measures to minimize the environmental impact during subproject implementation.





QN07 Field Photo

Subproject: QN08 - Auxiliary Infrastructure of Son Ca Kindergarten

Type: General.

Location: Bhalee commune, Tay Giang district, Quang Nam province

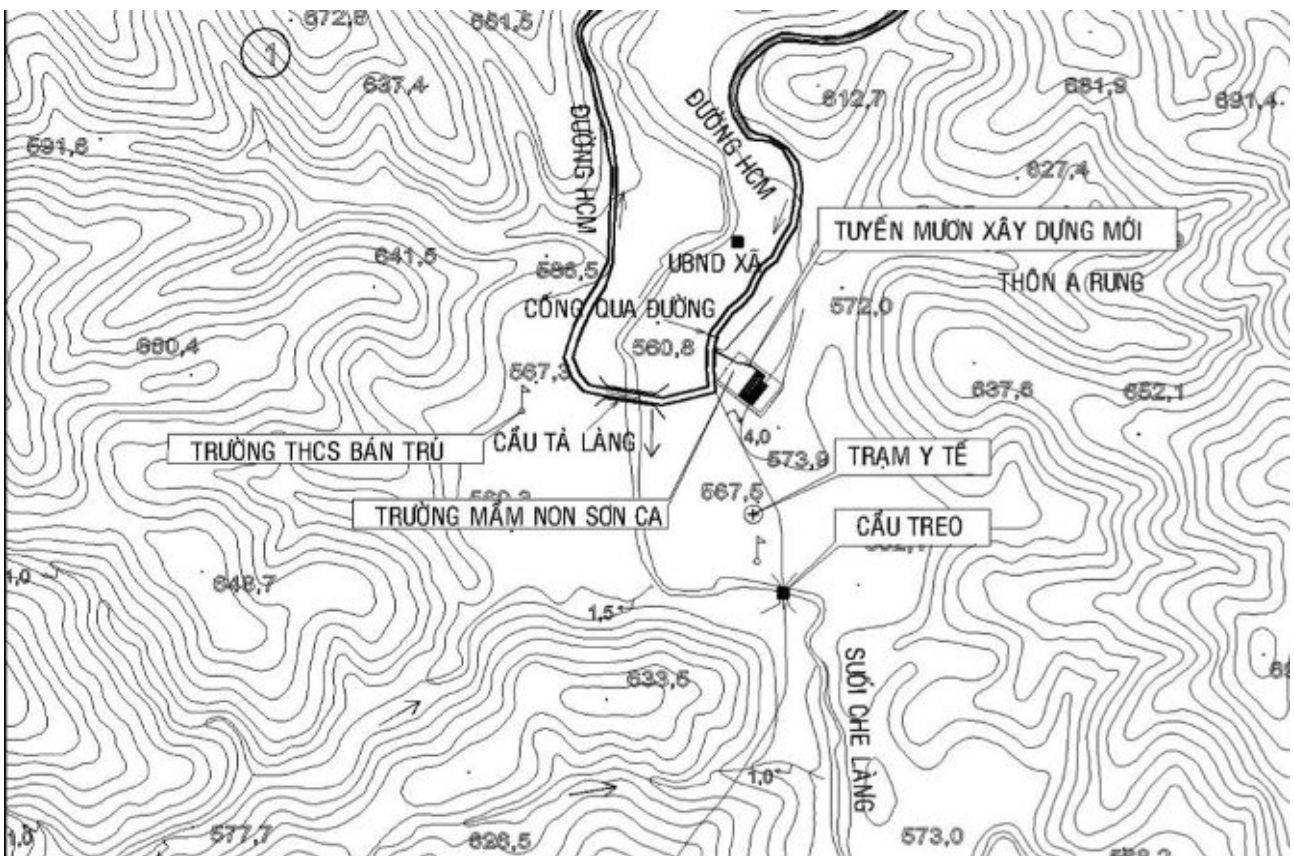
Construction duration: 30 days; Status: Completed; Completion date: 28 January 2018.

Contractor: Phuc Thinh Construction Co. Ltd.

Supervisor: Phuoc Vinh Construction Consultant Co. Ltd.

Monitoring parameters: exhausted gases from construction machines; dust, vibration, noise; construction waste and domestic waste from workers; and storm-water runoff.

There is no environmental issue has happen during the monitoring period (up to 16 January 2018). The Contractor has implemented all suitable mitigation measures to minimize the environmental impact during subproject implementation.



QN08 Location Map



QN08 Field Photo

Subproject: QN10 - Concrete Road to A Chui Production Site

Type: General.

Location: A Nong commune, Tay Giang district, Quang Nam province

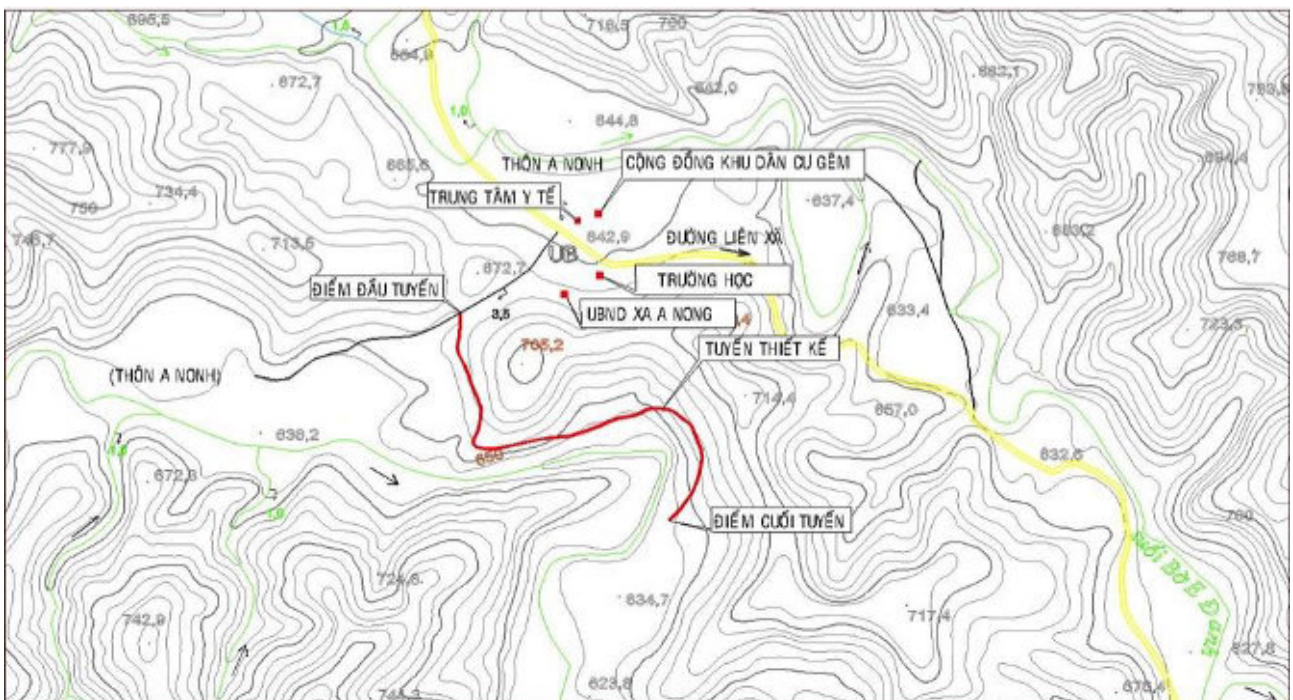
Construction duration: 140 days; Status: Completed. Completion date: 19 January 2017.

Contractor: An Thanh Luy Construction Trade & Services One Member Co. Ltd.

Supervisor: Phuoc Vinh Construction Consultant Co. Ltd.

Monitoring parameters: exhausted gases from construction machines; dust, vibration, noise; construction waste and domestic waste from workers; and storm-water runoff.

There is no environmental issue has happen during the monitoring period. The Contractor has implemented all suitable mitigation measures to minimize the environmental impact during subproject implementation.



QN10 Location Map



QN10 Field Photo

Type: General.

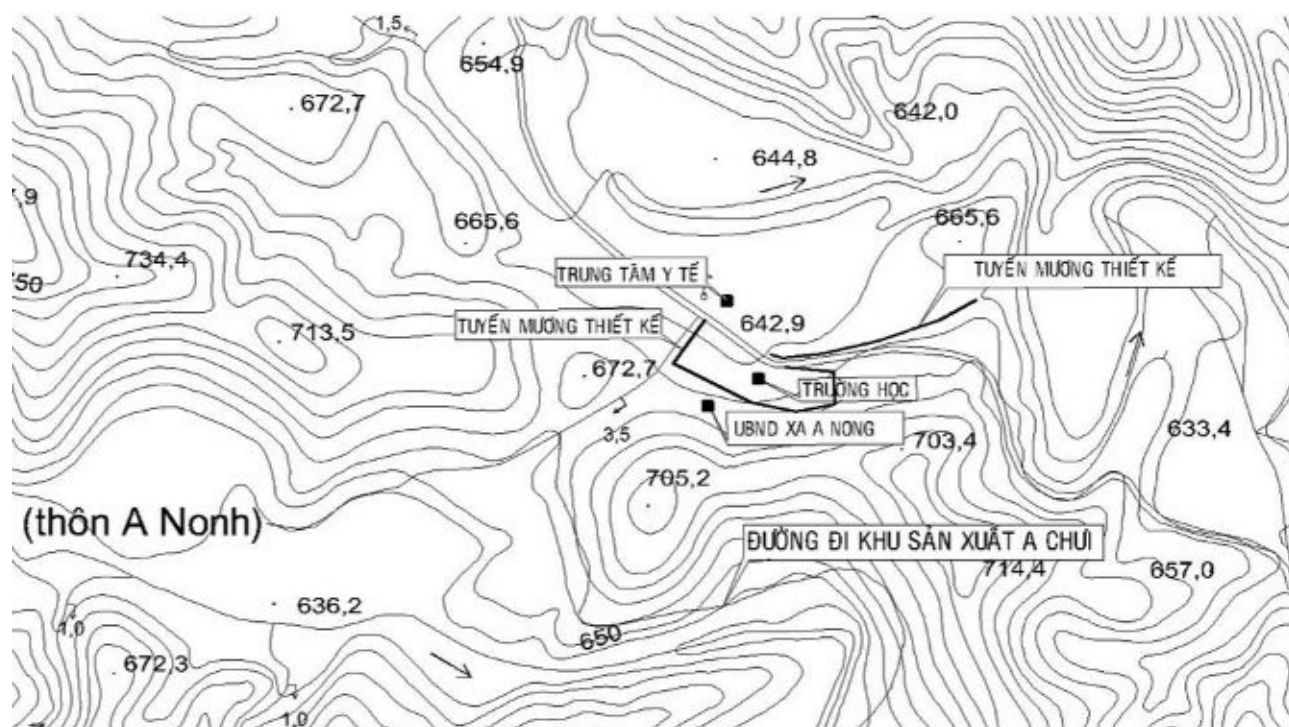
Construction duration: 60 days; Status: Completed; Completion date: 23 March 2018.

Contractor: Dinh Ngoc Anh Construction & Consultant Co. Ltd.

Supervisor: Phuoc Vinh Construction Consultant Co. Ltd.

Monitoring parameters: exhausted gases from construction machines; dust, vibration, noise; construction waste and domestic waste from workers; and storm-water runoff.

There is no environmental issue has happen during the monitoring period (up to 16 January 2018). The Contractor has implemented all suitable mitigation measures to minimize the environmental impact during subproject implementation.



QN11 Location Map



QN11 Field Photo

Subproject: QN13 - Inter-village Concrete Road from Knoonh 1 to Knoonh 3

Type: General.

Location: A Xan commune, Tay Giang district, Quang Nam province

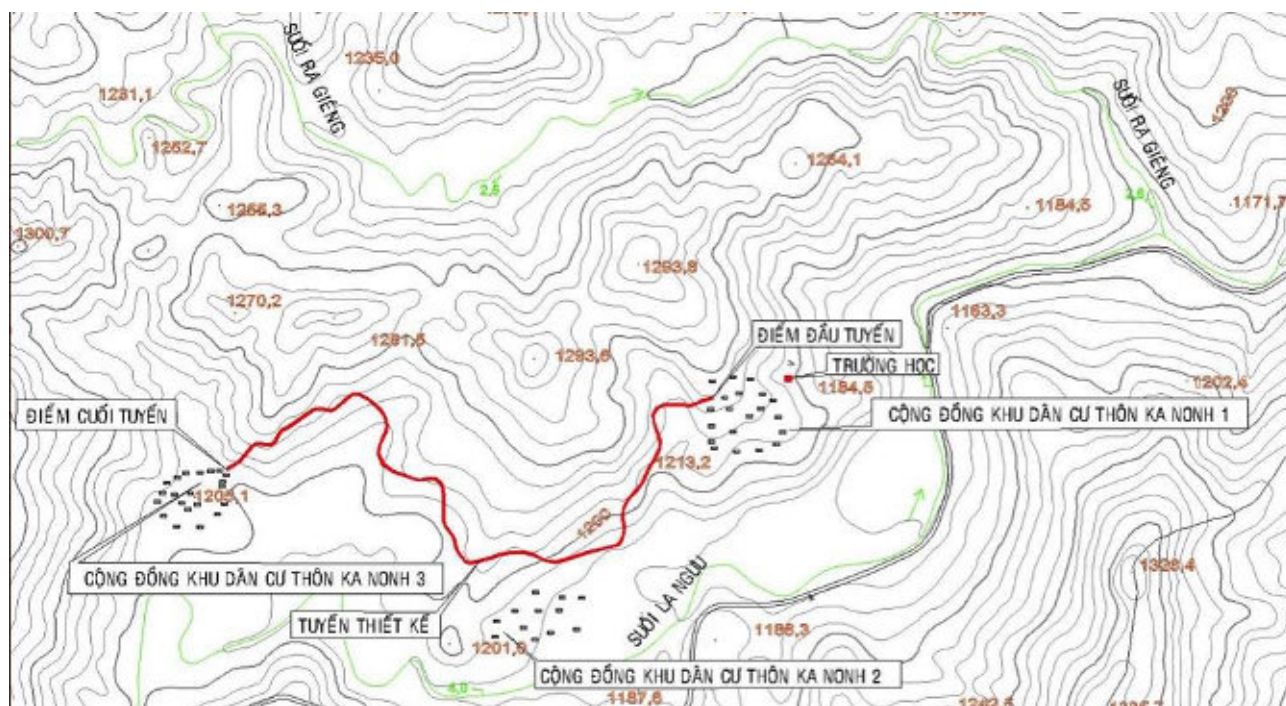
Construction duration: 90 days; Status: Completed; Completion date: 31 March 2018

Contractor: Tien Luc Construction One Member Co. Ltd.

Supervisor: Phuoc Vinh Construction Consultant Co. Ltd.

Monitoring parameters: exhausted gases from construction machines; dust, vibration, noise; construction waste and domestic waste from workers; and storm-water runoff.

There is no environmental issue has happen during the monitoring period (up to 31 December 2018). The Contractor has implemented all suitable mitigation measures to minimize the environmental impact during subproject implementation.



QN13 Location Map



QN13 Field Photo

Subproject: QN14 - Primary School for Re'h Village

Type: House & Building.

Location: Ch'Om commune, Tay Giang district, Quang Nam province

Construction duration: 60 days; Expected completion date: 31 August 2018, Status: Under construction.

Contractor: Tien Loi Construction Co. Ltd.

Supervisor: Phuoc Vinh Construction Consultant Co. Ltd.

Monitoring parameters: exhausted gases from construction machines; dust, vibration, noise; construction waste and domestic waste from workers; and storm-water runoff.

There is no environmental issue has happen during the monitoring period (up to 31 December 2018). The Contractor has implemented all suitable mitigation measures to minimize the environmental impact during subproject implementation.





QN14 Field Photo

Subproject: QN15 - Auxiliary Infrastructure of Ta Lang Residential Site

Type: General.

Location: Bhalee commune, Tay Giang district, Quang Nam province

Construction duration: 60 days; Status: Completed; Completion date: 27 February 2018.

Contractor: Phuc Thinh Construction Co. Ltd.

Supervisor: Phuoc Vinh Construction Consultant Co. Ltd.

Monitoring parameters: exhausted gases from construction machines; dust, vibration, noise; construction waste and domestic waste from workers; and storm-water runoff.

There is no environmental issue has happen during the monitoring period (up to 16 January 2018). The Contractor has implemented all suitable mitigation measures to minimize the environmental impact during subproject implementation.



QN15 Location Map



QN15 Field Photo

Subproject: QN17 - Inner Concrete Road in Tr'lee Residential Site

Type: General.

Location: A Tieng commune, Tay Giang district, Quang Nam province

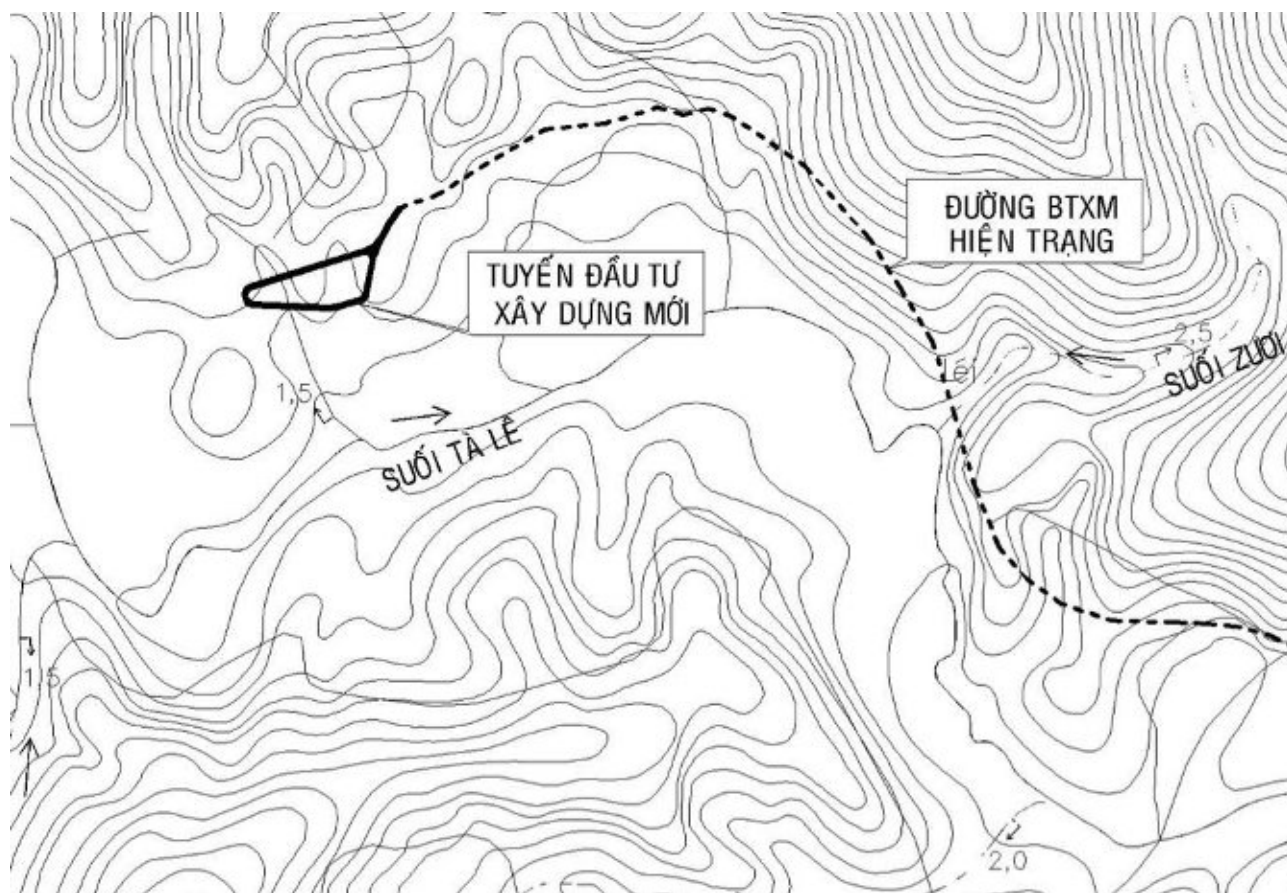
Construction duration: 30 days; Status: Completed;; Completion date: 21 February 2018.

Contractor: Dinh Ngoc Anh Construction & Consultant Co. Ltd.

Supervisor: Phuoc Vinh Construction Consultant Co. Ltd.

Monitoring parameters: exhausted gases from construction machines; dust, vibration, noise; construction waste and domestic waste from workers; and storm-water runoff.

There is no environmental issue has happened during the monitoring period (up to 16 January 2018). The Contractor has implemented all suitable mitigation measures to minimize the environmental impact during subproject implementation.



QN17 Location Map



QN17 Field Photo

Subproject: QN18 - Household's Toilets in Cluster No.1 and No.2, R'bhuop Village
Type: House & Building.

Location: A Tieng commune, Tay Giang district, Quang Nam province

Construction duration: 90 days; Status: Completed; Completion date: 8 March 2018.

Contractor: Transportation Construction & Development Joint Stock Company

Supervisor: Phuoc Vinh Construction Consultant Co. Ltd.

Monitoring parameters: exhausted gases from construction machines; dust, vibration, noise; construction waste and domestic waste from workers; and storm-water runoff.

There is no environmental issue has happened during the monitoring period (up to 16 January 2018). The Contractor has implemented all suitable mitigation measures to minimize the environmental impact during subproject implementation.



QN18 Field Photo

Subproject: QN19 - Household's Toilets in Xa Oi 1 Village

Type: House & Building.

Location: A Vuong commune, Tay Giang district, Quang Nam province

Construction duration: 60 days; Status: Completed; Completion date: 6 February 2018.

Contractor: Tien Luc Construction One Member Co. Ltd.

Supervisor: Phuoc Vinh Construction Consultant Co. Ltd.

Monitoring parameters: exhausted gases from construction machines; dust, vibration, noise; construction waste and domestic waste from workers; and storm-water runoff.

There is no environmental issue has happened during the monitoring period (up to 16 January 2018). The Contractor has implemented all suitable mitigation measures to minimize the environmental impact during subproject implementation.



QN19 Field Photo

Subproject: QN20 - Concrete Road in Xa Oi 3 Village

Type: General.

Location: A Vuong commune, Tay Giang district, Quang Nam province

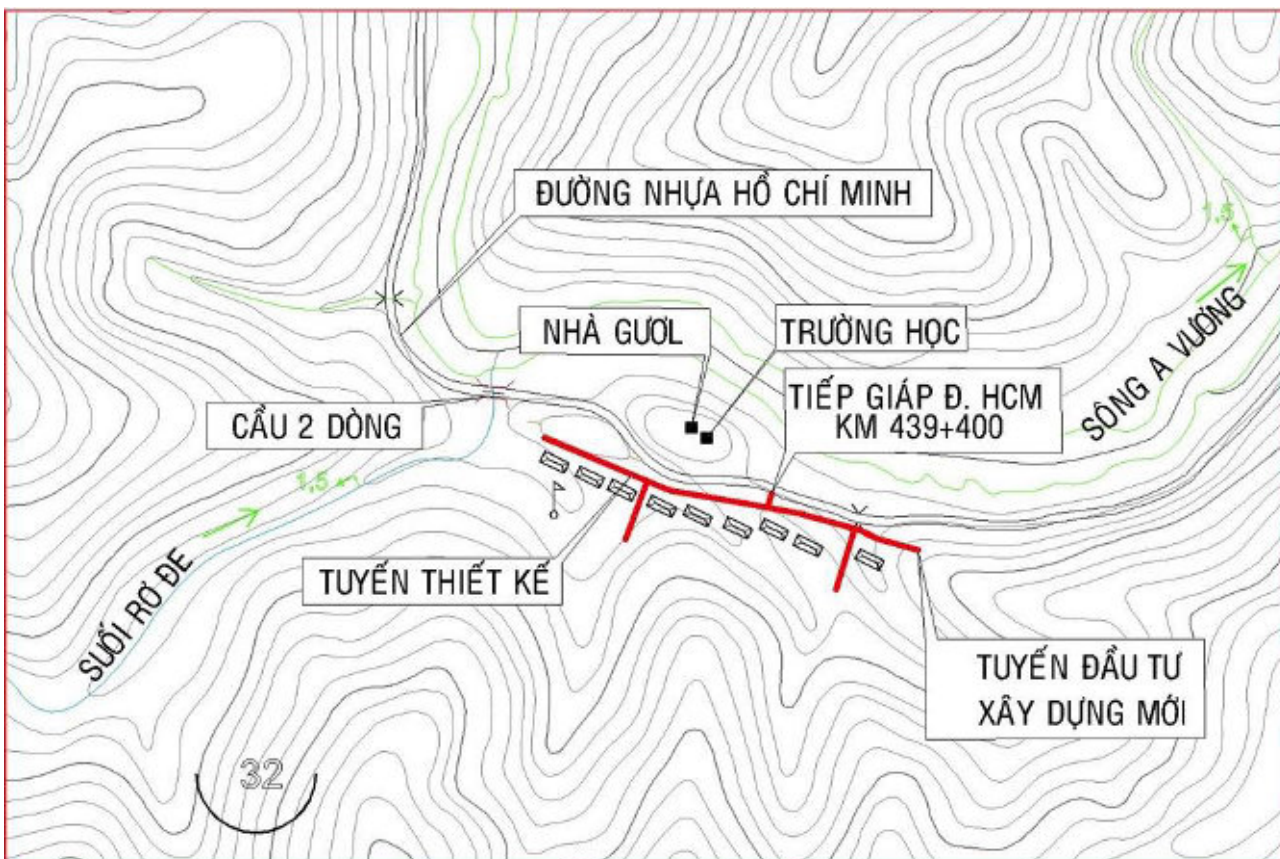
Construction duration: 60 days; Status: Completed; Completion date: 26 September 2016.

Contractor: Binh Hoang Co. Ltd.

Supervisor: Phuoc Vinh Construction Consultant Co. Ltd.

Monitoring parameters: exhausted gases from construction machines; dust, vibration, noise; construction waste and domestic waste from workers; and storm-water runoff.

There is no environmental issue has happened during the construction period. The Contractor has implemented all suitable mitigation measures to minimize the environmental impact during subproject implementation.



QN20 Location Map



QN20 Field Photo

Subproject: QN21 - Concrete Road in A Gioc Village

Type: General.

Location: Bhalee commune, Tay Giang district, Quang Nam province

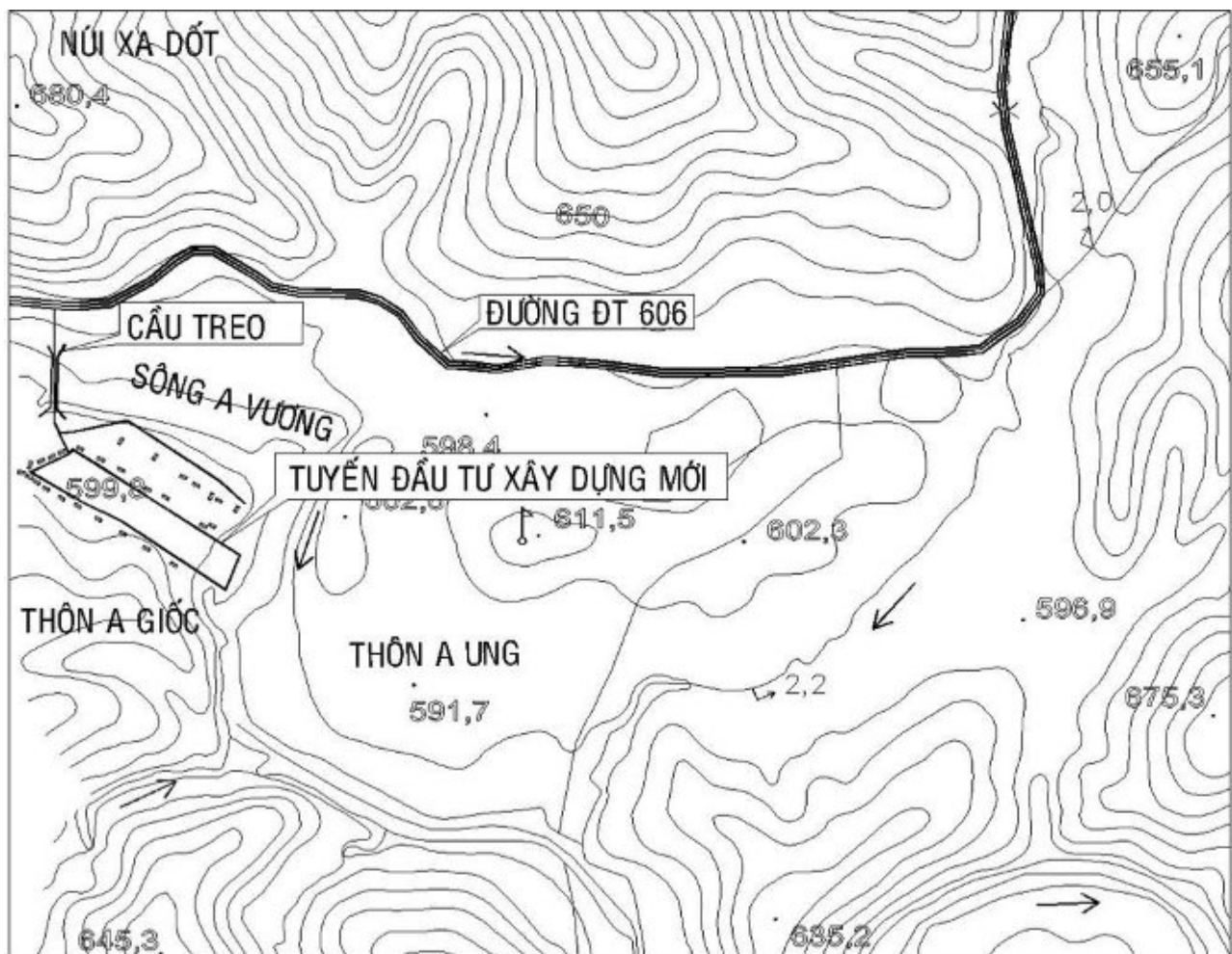
Construction duration: 60 days; Status: Completed; Completion date: 9 September 2016.

Contractor: An Thanh Luy Construction Trade & Services One Member Co. Ltd.

Supervisor: Phuoc Vinh Construction Consultant Co. Ltd.

Monitoring parameters: exhausted gases from construction machines; dust, vibration, noise; construction waste and domestic waste from workers; and storm-water runoff.

There is no environmental issue has happened during the construction period. The Contractor has implemented all suitable mitigation measures to minimize the environmental impact during subproject implementation.



QN21 Location Map



QN21 Field Photo

Subproject: QN22 - Kinderga in Pa Cang Village

Type: House & Building.

Location: Ca Dy commune, Nam Giang district, Quang Nam province

Construction duration: 60 days; Status: completed; Completion date: 6 February 2018.

Contractor: Khanh Dai Nam Tourism and Transportation Co. Ltd.

Supervisor: Phuoc Vinh Construction Consultant Co. Ltd.

Monitoring parameters: exhausted gases from construction machines; dust, vibration, noise; construction waste and domestic waste from workers; and storm-water runoff.

There is no environmental issue has happened during the monitoring period. The Contractor has implemented all suitable mitigation measures to minimize the environmental impact during subproject implementation.



QN22 Field Photo

Subproject: QN23 - Inner Concrete Road in Pa Lanh Village

Type: General.

Location: Ca Dy commune, Nam Giang district, Quang Nam province

Construction duration: 60 days; Status: Completed; Completion date: 26 February 2018.

Contractor: An Thanh Luy Construction Trade & Services One Member Co. Ltd.

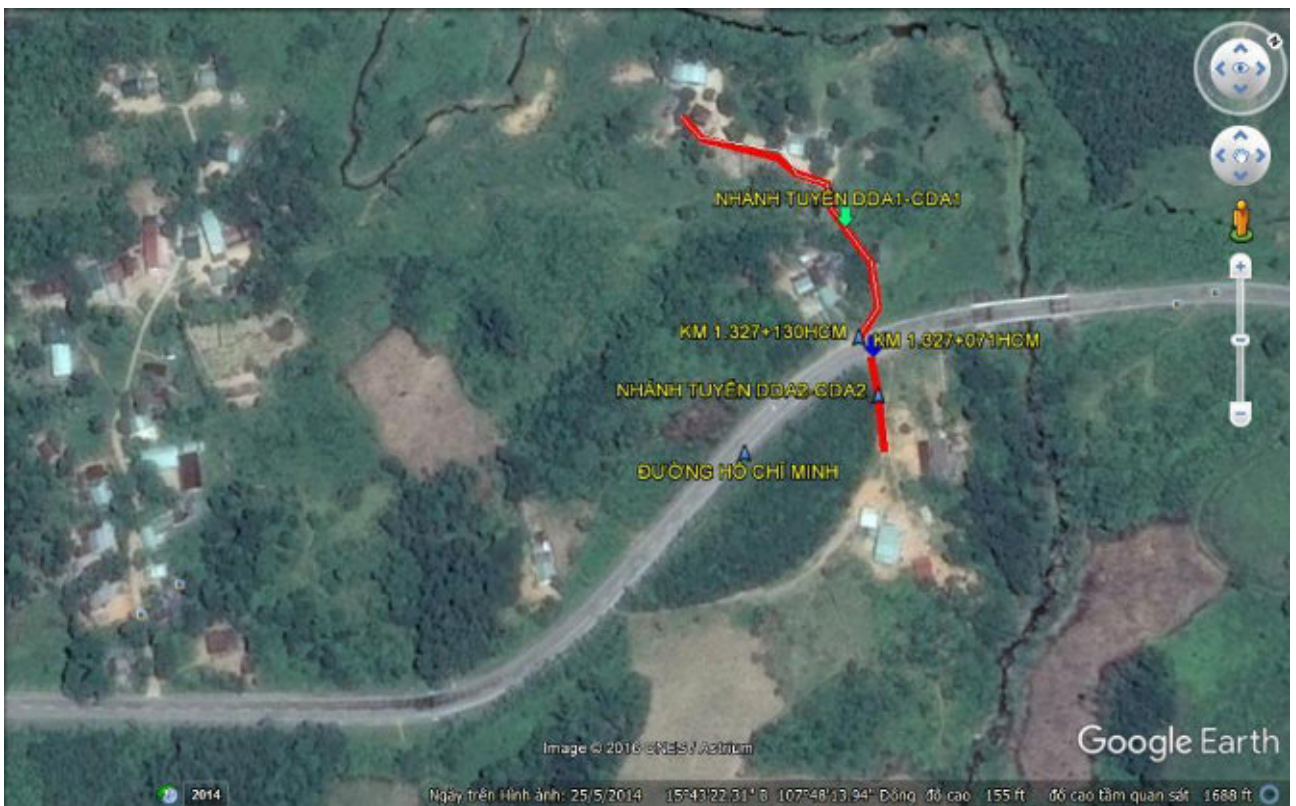
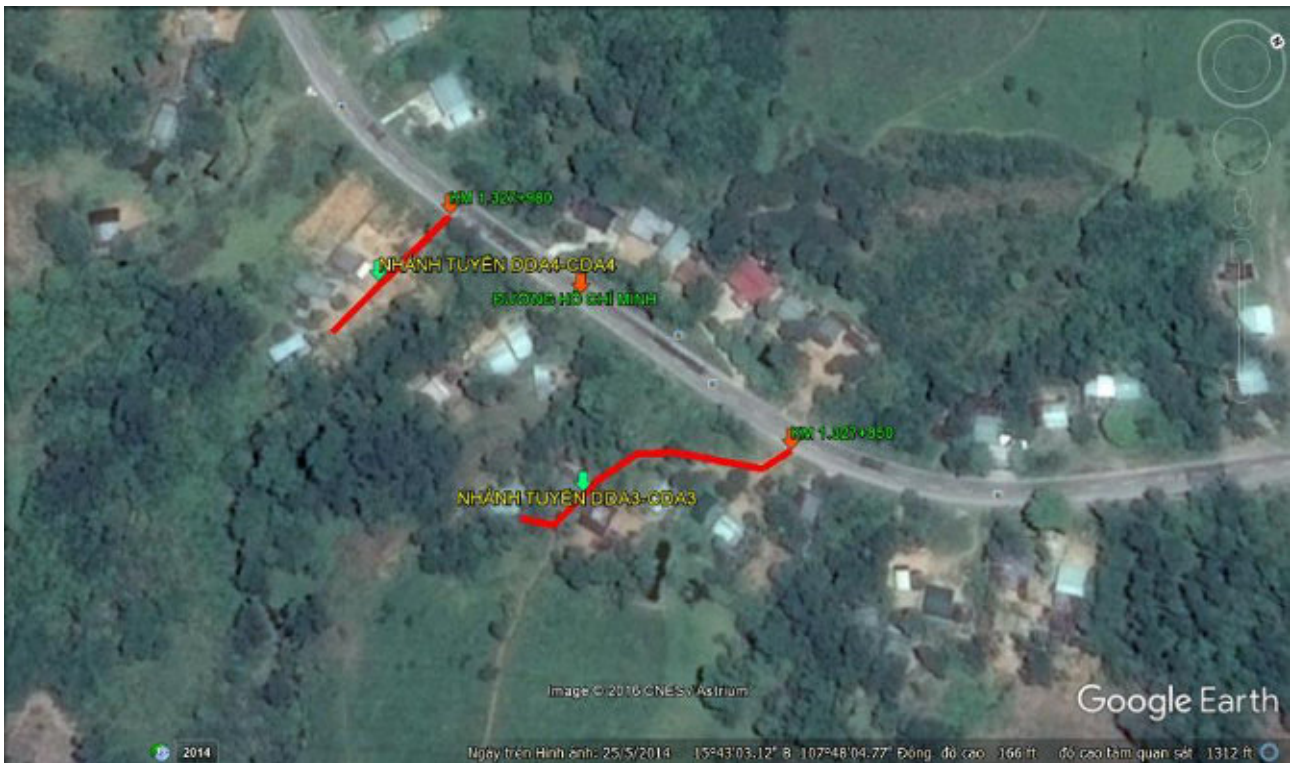
Supervisor: Phuoc Vinh Construction Consultant Co. Ltd.

Monitoring parameters: exhausted gases from construction machines; dust, vibration, noise; construction waste and domestic waste from workers; and storm-water runoff.

There is no environmental issue has happened during the monitoring period. The Contractor has implemented all suitable mitigation measures to minimize the environmental impact during subproject implementation.



QN23 Field Photo



QN23 Location Map

Subproject: QN24 - Concrete Road from Zlao Residential Cluster to Commune Center
Type: General.

Location: Cho Chun commune, Nam Giang district, Quang Nam province

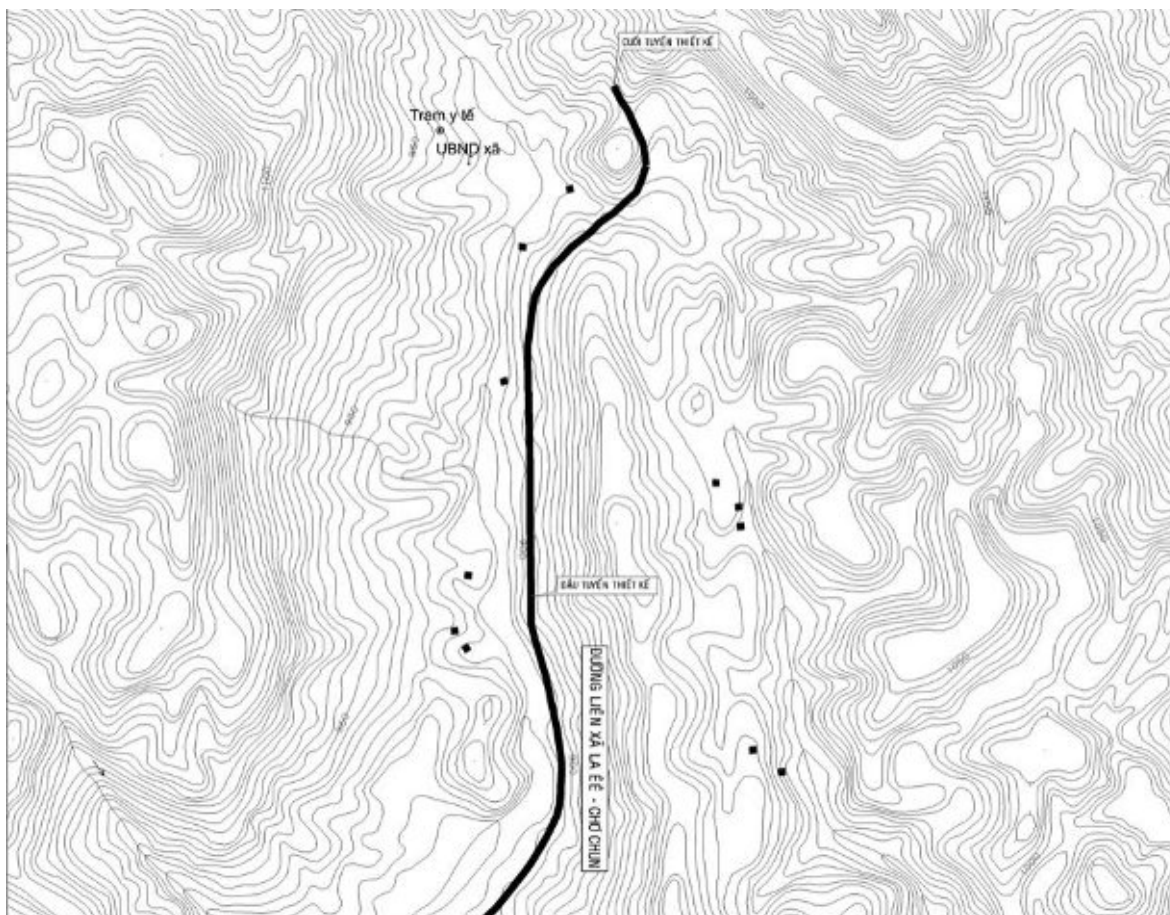
Construction duration: 120 days; Status: Completed; Completion date: 26 April 2018.

Contractor: Luc Dong Trade and Construction Co. Ltd.

Supervisor: Phuoc Vinh Construction Consultant Co. Ltd.

Monitoring parameters: exhausted gases from construction machines; dust, vibration, noise; construction waste and domestic waste from workers; and storm-water runoff.

There is no environmental issue has happened during the monitoring period. The Contractor has implemented all suitable mitigation measures to minimize the environmental impact during subproject implementation.



QN24 Location Map



QN24 Field Photo

Subproject: QN25 - Drainage system in Por'ning village, Lang commune

Type: General.

Location: Lang commune, Tay Giang district, Quang Nam province

Construction duration: 120 days; Status: Completed; Completion date: 20 December 2018.

Contractor: Phu Huong Co. Ltd.

Supervisor: Phuoc Vinh Construction Consultant Co. Ltd.

Monitoring parameters: exhausted gases from construction machines; dust, vibration, noise; construction waste and domestic waste from workers; and storm-water runoff.

There is no environmental issue has happened during the monitoring period. The Contractor has implemented all suitable mitigation measures to minimize the environmental impact during subproject implementation.



QN25 Field Photo

Appendix 4 - Environmental monitoring and completion report of Thua Thien Hue

Subproject: TH-29: Upgrading communal house of Ta-Ay and A Nieng villages

Type: General.

Location: Hong Trung commune, A Luoi district, Thua Thien Hue province

Status: Completed.

