

**ASSET SURVEY FOR SMALL SCALE
PRO-POOR INFRASTRUCTURE
IN VIETNAM**

**ELECTRICITY DISTRIBUTION
SECTOR REPORT**

JANUARY 2011

**JAPAN INTERNATIONAL COOPERATION AGENCY
NTC INTERNATIONAL CO., LTD.
KATAHIRA ENGINEERING INTERNATIONAL
TOKYO ELECTRIC POWER SERVICES CO., LTD.**

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PREFACE

In response to request from the Government of the Socialist Republic of Viet Nam, the Government of Japan had extended Sector Project Loan (SPL) for “The Rural Infrastructure Development and Living Standard Improvement Projects (SPL I to III)” from 1996 and “Small-Scale Pro-Poor Infrastructure Development Projects (SPL IV & V)” from 2003. Japan International Cooperation Agency (JICA) conducted the survey to analyze the shortcomings in the planning of the infrastructure development projects and their operation, maintenance and management, and to develop the necessary information for the Japanese review of the SPL Projects.

JICA dispatched a survey team, headed by Mr. TSUCHIYA Toshihiro of NTC International Co., Ltd. and consisting of NTC International Co., Ltd. and Katahira Engineering International and Tokyo Electric Power Services Co., Ltd. to the Socialist Republic of Viet Nam between April 2010 and October 2010.

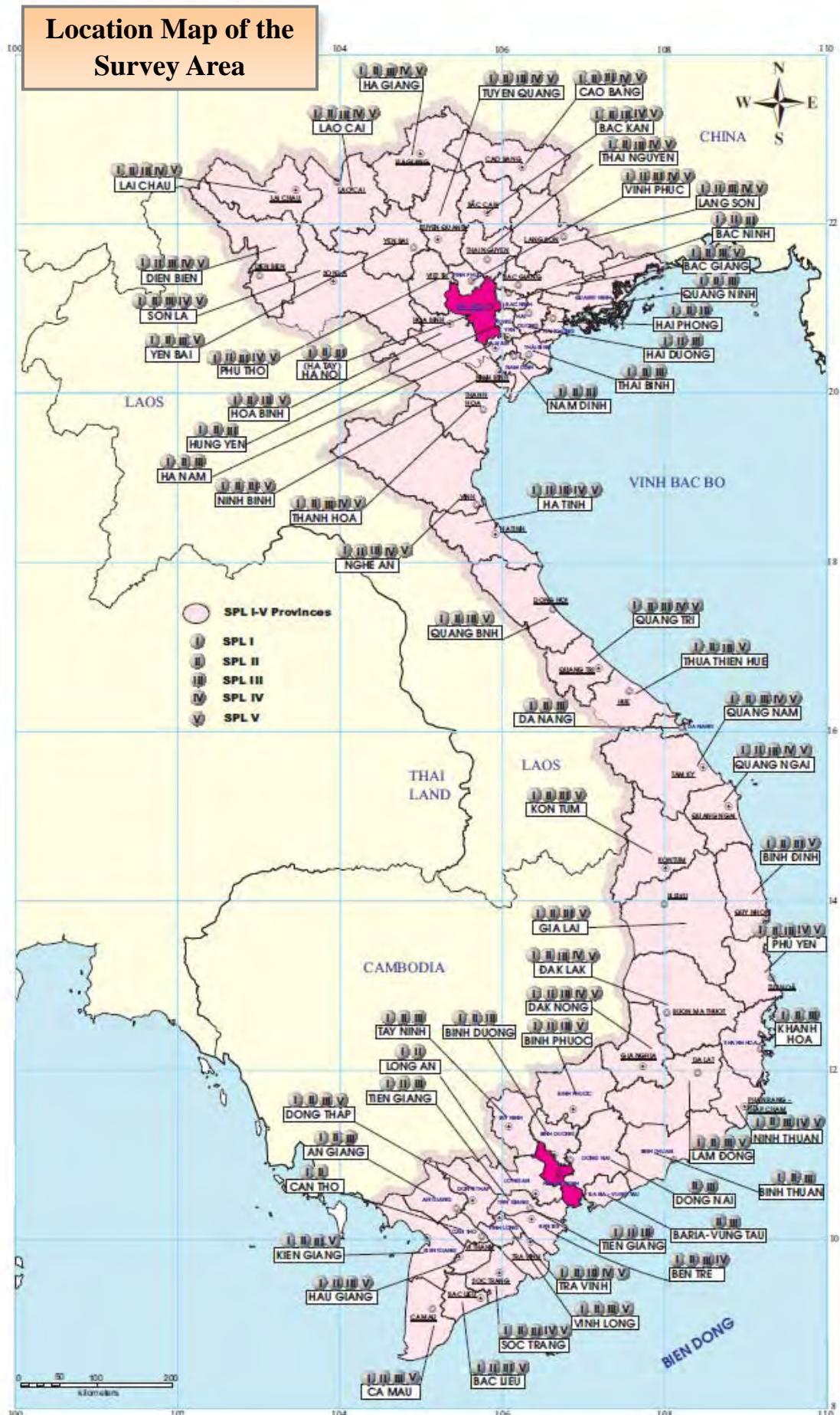
The team held discussions with officials concerned of the Government of the Socialist Republic of Viet Nam, and conducted the site surveys in the survey area. Upon returning to Japan, the team conducted further studies and prepared this final report.

I hope that this report will contribute to the future development of the said Projects, and to the expansion of friendly and cooperative relation between our two countries.

Finally, I wish to express my sincere appreciation to the officials of Government and those concerned in the Socialist Republic of Viet Nam for the close cooperation they have extended to the survey.

January, 2011

Kazuhiho Yoneda
Director General
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Abbreviation

CL	Commodity Loan
CPC	Commune People's Committee
DARD	Department of Agriculture and Regional Development
D/D	Detailed Design
DOT	Department of Transportation
DPC	District People's Committee
DPI	Department of Planning and Investment
EVN	Electricity of Vietnam
F/S	Feasibility Study
GOJ	Government of Japan
GOV	Government of Vietnam
IMC	Irrigation Management Company
JBIC	Japan Bank for International Cooperation
JICA	Japan International Cooperation Agency
L/A	Loan Agreement
LBS	Load Break Switches
LVL	Low Voltage Line
MB	Management Board
MIS	Management Information System
MEC	Ministry of Electricity and Coal
MOE	Ministry of Energy
MOF	Ministry of Finance
MOIT	Ministry of Industry and Trade
MOT	Ministry of Transport
MPI	Ministry of Planning and Investment
MVL	Medium Voltage Line
ODA	Official Development Assistance
OECE	Overseas Economic Cooperation Fund, Japan
O&M	Operation and Maintenance
OM/M	Operation Maintenance and Management
PE	Provincial Electricity
PMT	Project Monitoring Tool
PMU	SPLs Project Management Unit
PO	Project Owner
PPC	Provincial People's Committee
PPMU	Provincial Project Management Unit

PSC	Power Supply Co-operative
SAIDI	System Average Interruption Duration Index
SAIFI	System Average Interruption Frequency Index
SAPROF	Special Assistance for Project Formation
SIDA	Swedish International Development Agency
SME	Small Medium Enterprise
SPL	Sector Project Loan
SPMU	Sub-Project Management Unit
TPC	Town People's Committee
VND	Vietnamese Dong

Asset Survey for Small Scale Pro-Poor Infrastructure in Vietnam

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Chapter 1 Background of the Survey

1.1 The SPL Projects Executed

After the introduction of the Doi Moi (Reform) policy in 1986, the Government of Vietnam (GOV) had challenged to shift its planned economy to the market economy and achieved remarkable economic growth, which is marked by the average annual growth rate of 8.9% from 1992 to 1996. This economic growth brought the dramatic reduction of the poverty rate in Vietnam (The current poverty lines set in the rural area and the urban area are VND 200,000/month and VND 260,000/month respectively.) from 58% in 1993 to 24% in 2004. However, the economic disparity between the rural area and the urban area is growing, and in the rural area where 90% of the poor live, the poverty rate was 25% in 2004 which was far higher than the 3.6% poverty rate of urban area.

Under these circumstances, the Government of Japan (GOJ) extended loans for the sectors with urgency such as rural road and water supply as “Rehabilitation Loan I & II” (CL I & II). In addition to these sectors, electricity distribution, irrigation and afforestation were added in “The Rural Infrastructure Development and Living Standard Improvement Projects – Sector Project Loan (SPL) I to III”. Furthermore, from 2003, the loan was extended to focus on the poor areas of road, electricity distribution, water supply and irrigation sectors as “Small-Scale Pro-Poor Infrastructure Development Projects - SPL IV & V”. SPL I to IV have already been completed and SPL V project is on-going. Besides, the loan agreement of the SPL VI was signed in November 2009. The total loan amounts of SPL I to V is 48,350 million Yen, and a little less than 1,200 projects were implemented in all the administrative districts except Ho Chi Minh municipality.

However, the assessment of the situations of those constructed facilities is considered to be insufficient due to a great number of the sub-projects, which spreads throughout the country, of SPL I – V Project. For example, the facilities constructed in the SPL I were already utilized for over 10 years, which indicates that the age of facilities will exceed their projected service life, which is 15 years in most of water supply sub-projects, in the near future. Moreover, some facilities seem to be not used as planned because of the modification of laws, damages caused by natural disasters, etc.

Under these circumstances, this Survey aims at grasping the actual situations of all the sub-projects executed in SPL I to V.

1.2 Outline of the SPL Projects

In 1994, based on the request of the GOV, the GOJ decided to extend the rehabilitation loans (CL I&II) for the purpose of improving international trade unbalance caused by chronic war and subsequent economic recession. The loan covered for the procurement of imported materials (fuel, asphalt, pumps and pipes etc.) for water supply and road construction sub-projects. In order to continue the assistance for the economic growth of Vietnam, it was indispensable to reduce the disparities between the urban and rural areas and to develop the rural areas where the majority of

population lives. For this purpose, the Rural Infrastructure Development and Living Standard Improvement Projects (SPL I, II and III) were carried out from 1996. In these SPL Projects, the loans covered cost including the insufficient construction cost which was one of the major problems in the execution of sub-projects under the rehabilitation loan. In addition to this, electricity distribution sector was added in SPL II (1997) and the irrigation sector was started in SPL III (1999).

From 2003, in coordination with Vietnamese policy on the poverty reduction strategy, the loan was extended as “Small-Scale Pro-Poor Infrastructure Development Projects - SPL IV & V”. In these SPL Projects, the target areas were focused on the less-developed areas (northern mountainous area, central highland area, etc.) where a number of ethnic minority groups live, and covered road, water supply, electricity distribution and irrigation sectors. Besides, the loan agreement (L/A) of the SPL VI was signed in November 2009 for the Phase-3 Small-Scale Pro-Poor Infrastructure Development Projects which covers mainly the northwest mountainous area and the central highland area, where the poverty rate is high.

Total amount of SPL I-V loans are summarized in the Table 1.2-1.

Table 1.2-1 Loan Amount SPLI-V Unit: Million yen

SPL I	(March 1996, L/A was signed)	: 7,000
SPL II	(February 1997, L/A was signed)	: 4,000
SPL III	(March 1999, L/A was signed)	: 12,000
SPL IV	(March 2003, L/A was signed)	: 10,562
SPL V	(March 2006, L/A was signed)	: 14,788
Total		48,350

Around 1,200 sub-projects have been implemented under the SPLs as shown in Table 1.2-2.

Table 1.2-2 Number of Sub-Projects by each Sector under SPLs

Sector	Road	Electricity distribution	Water Supply	Irrigation	Afforestation	Total
Number of Sub-projects	518	526	97	84	5	1,230
Number of Target Provinces	62	60	44	36	5	

1.3 The SPL Projects Area

The sub-projects spread through the whole country of Vietnam except Ho Chi Minh municipality, i.e. in 62 provinces. The number of sub-projects of each sector sorted by the region is summarized in the Table 1.3-1 below. Regarding the region, refer to the Appendix 1.1. The list of the sub-projects and their distribution by province are shown in Appendix 1.2 and 1.3.

Table 1.3-1 Number of Sub-Projects by Region

Region \ Sector	Road	Electricity Distribution	Water Supply	Irrigation	Total
North East	118	115	19	20	272
North West	35	26	8	4	73
Red River Delta	114	83	8	2	207
North Central Coast	79	82	27	23	211
South Central Coast	39	55	9	13	116
Central Highland	36	42	9	14	101
South East	32	45	2	3	82
Mekong Delta	65	78	14	6	163
Total	518	526	96	85	1225

Note: Five (5) afforestation sub-projects are not included

1.4 Vietnamese Implementing Organization

The implementing organizations of SPLs are Ministry of Planning and Investment (MPI), Ministry of Finance (MOF), Commercial Bank for Foreign Trade of Vietnam (Vietcombank), Provincial People's Committee (PPC) and Project Management Units at central level (PMU) and provincial level (PPMU). Project Owner (PO) decided in the investment decision also establishes the Sub-project Management Unit (SPMU). Followings are the duties of each organization.

(1) Ministry of Planning and Investment (MPI)

- To ensure program investment decisions in accordance with the law and the development plan, and to meet the objectives of the SPL Project.
- To coordinate with JICA to review and select the sub-project base on proposal of the PPC.
- Informing PPC for implementation of the list of sub-projects and allocated JICA fund for each sub-project.
- To approve selecting consultants for the SPL Project (hereinafter referred to as “the Consultants”) in accordance with current procurement legislation.
- To inspect and supervise the implementation of the SPL Project.
- To ensure the necessary resources for monitoring activities, the management and supervision of the SPL Project.
- To develop and implement the measures prescribed by law for the prevention and fighting against corruption and improper use of the fund which affect the SPL Project's objectives.
- To be responsible on the authority in accordance with current laws on violations of regulations in the process of supervising the implementation of the SPL Project.
- To be responsible on the process of implementing the SPL Project, for causing the delay, leakage and waste and corruption in accordance with current legislation.
- To coordinate with JICA to consider and decide the utilization of the remaining fund.

(2) Ministry of Finance (MOF)

- To make payment for sub-projects.
- To make out balance sheet for the Provincial Finance Department in time.
- To conduct withdrawal from the loan account to special account.
- To repay the principal and interest as stipulated in the L/A.
- To coordinate with the PMU and the JICA in monitoring and evaluation of the SPL Project.

(3) Commercial Bank for Foreign Trade of Vietnam (Vietcombank)

- To make a disbursement in accordance with the methods stipulated in the L/A at the request of the MOF and to notify to the relevant authorities as stipulated in the Circular on mechanism for debt management of the SPL.
- To monitor and report to the MOF and PMU the special account balance after each disbursement and withdrawal to special account.

(4) Provincial People's Committee (PPC)

- To ensure the sub-project investment meeting, discussing about the objectives, plans and relevant laws.
- To ensure sufficient counterpart fund for sub-project implementation as the schedule stipulated in the L/A.
- To approve the contractors selection process for the sub-projects in accordance with current legislation on the procurement.
- To inspect and supervise the implementation of the sub-projects.
- To develop and implement the measures prescribed by the law for the prevention and fighting against corruption, delay in implementation, etc. which affect the objectives of the sub-project.
- To be responsible on the authority in accordance with current laws on violations of regulations in the process of monitoring on the implementation of the sub-project.
- To be responsible in accordance with the current legislation on the implementation of the sub-project.
- To be responsible to report and explain to the MPI and the JICA on the change of sub-project (if any) in every September.

(5) Project Management Units

1) SPLs Project Management Unit (PMU)

MPI issues the decision on the establishment of the PMU. The tasks of PMU are as follows:

- Scheduling the implementation plan for the sub-projects

- Procurement and contract management
- Finance, properties management and disbursement for the sub-projects
- Administration, coordination and accountabilities
- Monitoring, evaluation and report of implementation of the sub-projects.

2) Provincial Project Management Unit (PPMU)

PPMU is under the Provincial Department of Planning and Investment (DPI) in each province and it was established by decision of the competent authorities of the province. The tasks of PPMU are as follows:

- Acting as the focal point in planning, managing and reporting on implementation of sub-projects carried out in the province.
- Making the plan to arrange counterpart fund for sub-projects in the province and operation expenditure for PPMU, and submit it to the PPC for approval.
- To monitor the bidding activities and contract management.
- To carry out the tasks of managing financial assets and disbursements:
- To carry out the administrative tasks, coordination with parties concerned and making sub-projects accountable.
- To carry out the tasks of monitoring, evaluation and reporting of the sub-projects.

3) Sub-Project Management Unit (SPMU)

Sub- Project Management Unit is to be established by PO. Followings are the tasks of the SPMU:

- Scheduling the project implementation.
- To carry out the tasks for bidding and contract management.
- To carry out the tasks of managing financial assets and disbursements.
- To carry out the administrative tasks, coordination with parties concerned and reporting.
- To carry out the duties on the acceptance, transfer and final financial settlement of the sub-projects.

(6) Operation, Maintenance and Management Organization (OM/M organization)

The PPMU and SPMU transfer the facilities constructed under the SPL to the operation, maintenance and management (OM/M) organization in line with the related laws and decrees of Vietnam. After the transfer, the PPC takes charge of the operation, maintenance and management of the facilities.

Following Table 1.4-1 presents the examples of OM/M organizations shown in a number of provinces.

Table 1.4-1 Operation, Maintenance and Management Organizations

Sector	Organization
Road	<p>Management Unit for Transportation, DOT, Board for OM/M which invites contractor for maintenance, Road management company</p> <p>Provincial Road: PMU for Transportation, DOT or its contracted maintenance company, Joint Stock Company for OM/M, Company for transportation, construction and management belongs to DOT</p> <p>District Road: DPC, MB under DPC, District Department of Industry and Trade (or Department of Commerce), SPMU, Center for exploitation and management of public works</p> <p>Communal Road: Management Organization like Cooperative under CPC</p>
Electricity Distribution	<p>EVN, Affiliate or Subsidiary of EVN, Provincial Electricity Company under EVN, MB under PPC, Provincial Water Supply and Electricity Company, Provincial Electricity Company under Provincial Department of Industry and Trade, DPC, Management Organization like Cooperative, CPC</p>
Water Supply	<p>Branch of Provincial Water Supply Company, OM/M organization under DPC or Town PC, Independent Autonomous OM/M organization established in City, Town, etc., PCERWAS (Provincial Center for Rural Water Supply and Sanitation), Commune People's Committee, Provincial Water Supply Company</p> <p>Branch of Provincial Water Supply Undertaking such as Provincial Irrigation Service and Construction Ltd. Co. under PPC</p>
Irrigation	<p>DARD, DPC, CPC, IMC, FO (Farmers Organization)</p>

It should be noted that most of the provincial companies, which were controlled by line department of PPC, has become the “Limited Company” or “Joint Stock Company” under the direct control of PPC on the first of July, 2010 based on the Decree on Conversion of Enterprises with 100% State Owned Capital into Shareholding Companies, No. 109-2007-ND-CP.

Chapter 2 Purpose of the Survey

2.1 Outline of the Survey

The Survey covers four sectors of the road, the electricity distribution, the water supply and the irrigation and consists of the questionnaire survey and the sub-project sites visiting by the Team members to 1,115 infrastructures constructed under the sector project loans (SPL) in order to grasp the current operation, maintenance and management (OM/M) situation of them.

Though the SPLs contain the afforestation sector, because of small number of sub-projects implemented, the Survey intends to cover all the constructed facilities of road, electricity distribution, water supply and irrigation sectors.

The replies to the questionnaire provided the database, which format was elaborated by the Survey Team, with the data and information on the facilities and their OM/M situations. The database will hopefully contribute the efficient and cost effective operation, maintenance and management of the facilities.

The Team members could locate the facilities and such information reflected to prepare the SPL Infrastructure Map (location map of the facilities).

The members of Survey Team prepared the final report, which includes the recommendations on the problematic conditions and points to be improved of the OM/M of the facilities, after the completion of the site visiting.

2.2 Purpose of the Survey

In accordance with the decentralization policy of the GOV, the implementation of the survey, design, construction, OM/M of the sub-projects under the SPLs are performed by the initiatives of the Vietnamese local government authorities. However, considering the possibility that the constructed facilities are not always utilized as per the initial plans, the purpose of this Survey is to analyze the shortcomings in the planning of the infrastructure development projects. In addition, considering the possibility that OM/M of the facilities are not conducted properly after the transfer, the purpose of this Survey is to develop the necessary information for the Japanese review of the SPL Projects.

For this purpose, the following tasks were carried out;

- Comprehension of the current situation of each sub-project under SPL I to V.
- Comprehension of the OM/M organization of the constructed facilities of the sub-projects and its functions.
- Constructing the database of collected information, data, etc. through the activities mentioned above. This database has the functions such as the facilities register and records of OM/M, etc. Further, database instruction manual was prepared.

- Mapping out the location of the infrastructures (the SPL infrastructure map).
- To recommend the effective and efficient utilization measures for the parties concerned based on the outcome of the above tasks. In particular, recommendations were made on the administrative system of the sub-projects after the transfer of facilities to the OM/M organization for the Ministry of Planning and Investment (MPI) and on the infrastructure asset management for the Department of Planning and Investment of Provinces (DPI).

The activities of this Survey are summarized in following Figure 2.2-1.

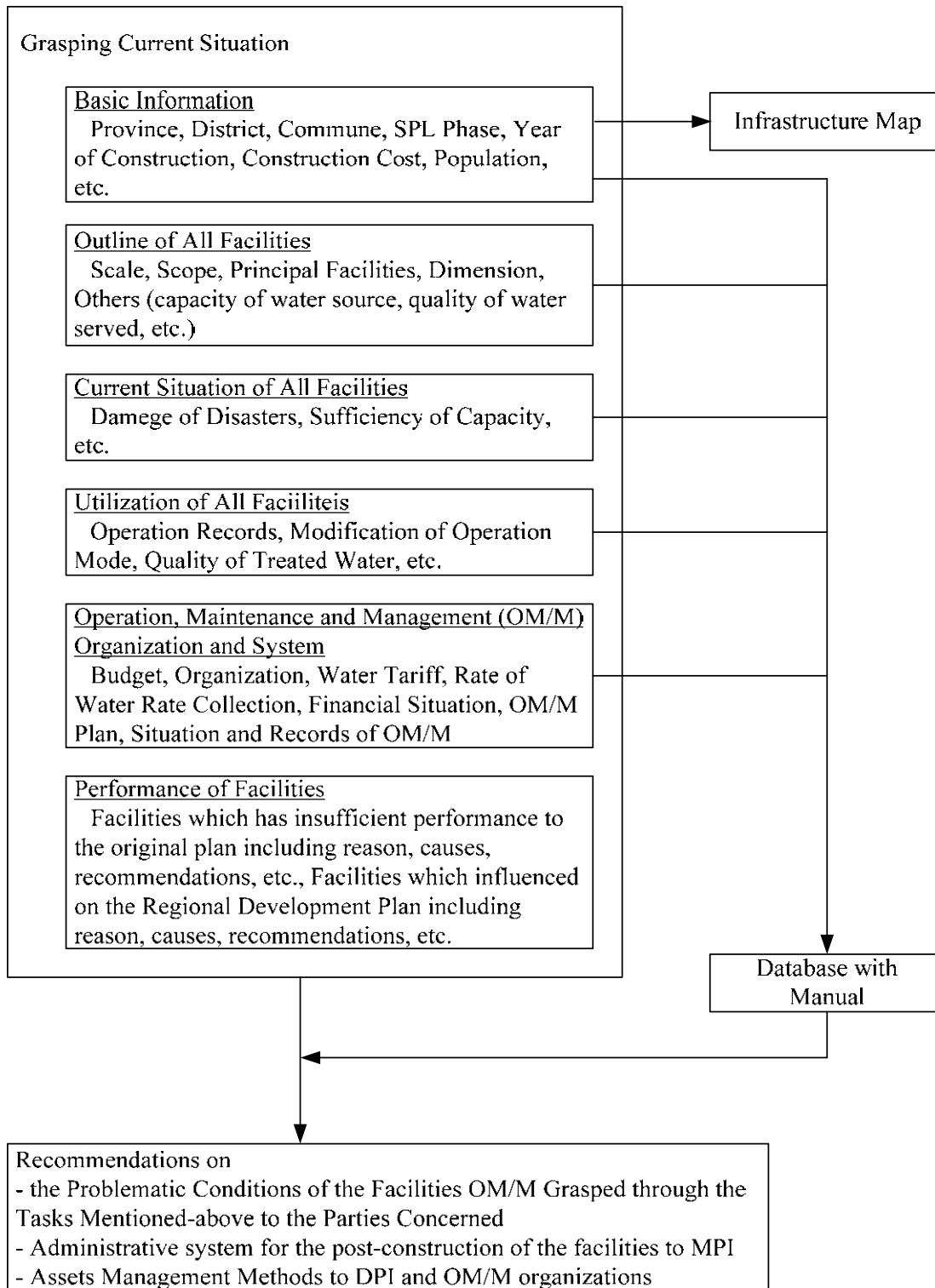


Figure 2.2-1 Main Tasks of the Survey

Chapter 3 Implementation of the Survey

As mentioned earlier, the Survey was implemented in the four sectors which mainly consist of the questionnaire survey and the site visiting by the engineers for visual confirmation on the current situation of the facilities constructed under SPL I to V.

The Survey Team had the meeting with Ministry of Planning and Investment (MPI) for the explanation of the inception report and the request to cooperate in the survey immediately after the arrival in Ha Noi followed by the survey planning, entrusting the site survey of the road and electricity distribution sectors on Vietnamese consulting firms and the delivery of the questionnaires.

After the delivery of the questionnaire at the end of April, 2010, the Survey Team started the site survey including the meeting with Provincial Department of Planning and Investment (DPI) and other parties concerned at the beginning of May, 2010.

The road sector firstly completed the site survey at the end of July and the water supply sector finally finished the survey at the beginning of September.

Regarding the questionnaire survey, the Survey Team unfortunately could not receive the replies to the questionnaires sufficiently though the Team had been waiting by the middle of September.

Apart from the Survey activities of four sectors, the member in charge of database management had started to prepare the database formats for the four sectors after the exchange of idea with MPI on the database as one of the outputs of the Survey. The data input was made from July to the end of September.

In the course of the data input, the Survey Team held the workshop on the database targeting the persons related to the SPL Projects with the cooperation of MPI in order to disseminate not only the database itself but also the rough concept of Assets Management making use of the database. The opinions collected at the workshop were reflected on the database format.

3.1 Setting up the Items to be Surveyed

The items to be surveyed consist of following five (5) categories:

- General Information
- Facilities
- Current Situation of Facilities
- Effectiveness of Sub-Project
- Operation, Maintenance and Management (OM/M)

Details of items to be surveyed in remaining categories are summarized in the followings:

Electricity Distribution sector surveyed based on the following items with objectives.

Table 3.1-1 Survey Items and Objectives

Category	Items to be Surveyed	Objectives of the Survey through the Survey Item
Facilities	<ul style="list-style-type: none"> • Project Cost after construction • Construction length of Medium Voltage (MV) line • Construction length of Low Voltage (LV) line • Capacity of installed Transformer 	In order to confirm that the projects were implemented
Current Situation of Facilities	<ul style="list-style-type: none"> • Confirmation of problems after the construction • Outage Index such as SAIFI / SAIDI • Confirmation of distribution loss • Typical photograph 	In order to confirm problems under operation
Effectiveness of Sub-project	<ul style="list-style-type: none"> • Construction length of Medium Voltage (MV) line • Construction length of Low Voltage (LV) line • Capacity of installed Transformer • Electric Rate 	In order to confirm whether Electrification rate based on construction is improved or not
Operation, Maintenance and Management	<ul style="list-style-type: none"> • Operation organization • Maintenance organization • Management organization • Number of maintenance worker • Plan of maintenance • Problem on maintenance 	In order to confirm that the operation, maintenance and management are implemented suitable

3.2 Methods of the Survey

3.2.1 Survey Executed

3.2.1.1 Survey Team

The Survey Team consisted of six (6) Japanese members and four (4) Vietnamese members who worked for the Team on the contract basis.

The following Figure 3.2-1 shows the structure of the Survey Team.

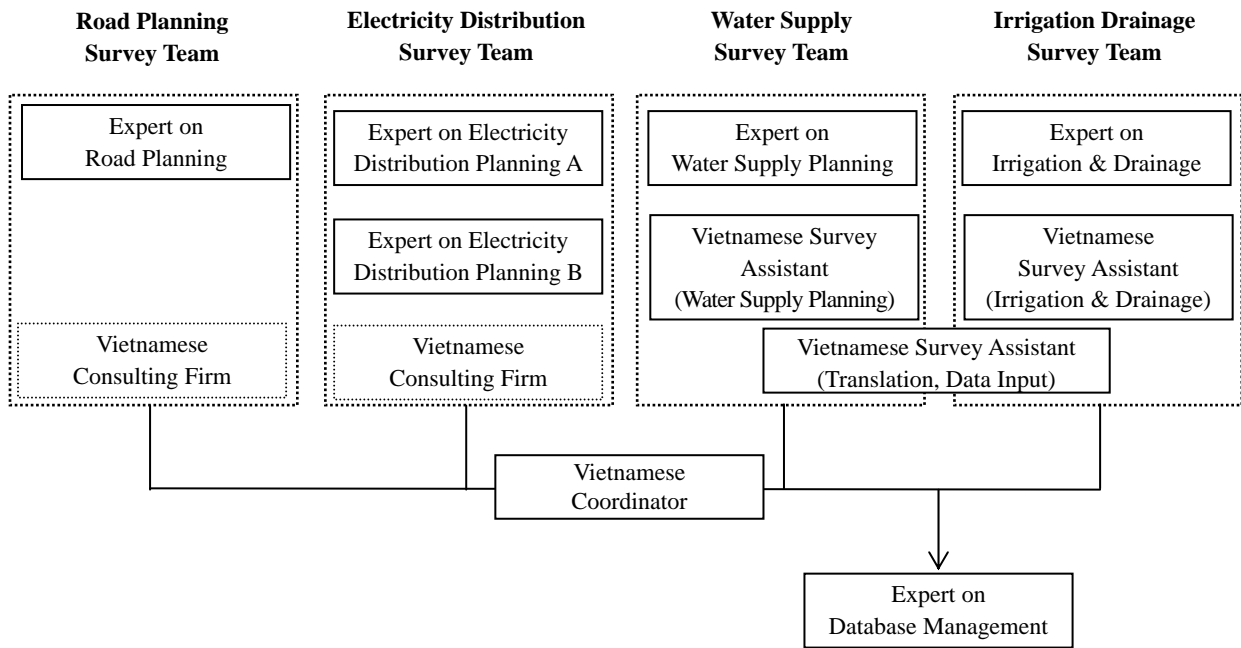


Figure 3.2-1 Structure of the Survey Team

3.2.1.2 Vietnamese Organizations Cooperated with the Survey

The General Service Department of MPI cooperated and assisted the Survey in the central level, and the Department of Planning and Investment of provinces coordinated with the Sub-project management unit (SPMUs¹) and the OM/M organizations for delivery of the questionnaires and sending the replies to the Team.

Following Figure 3.2-2 shows the concept of the Vietnamese organizations concerned in the Survey.

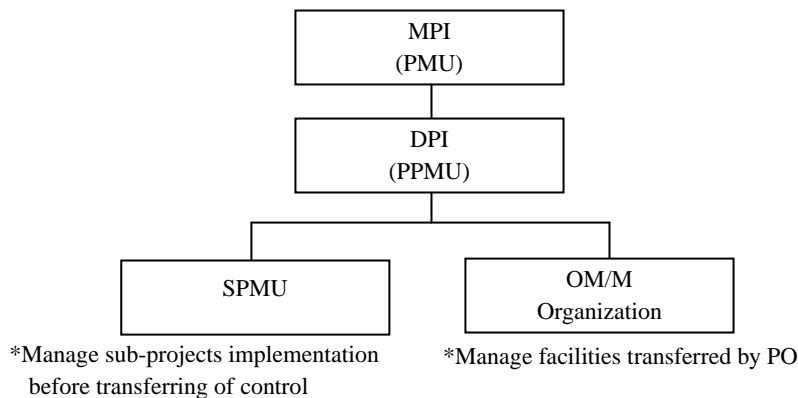


Figure 3.2-2 Concept of the Vietnamese Organizations Concerned in the Survey

¹ In case that the facilities constructed under the sub-project have not been transferred to the OM/M organization, SPMU still have all the data and information even after starting the operation of facilities.

3.2.1.3 Entrusting the Site Survey on the Vietnamese Consulting Firms

The Survey Team entrusted the tasks of site visiting survey of the road and the electricity distribution sectors to confirm the current situations of all the facilities constructed under SPLs considering a great number of facilities to be surveyed within four (4) months.

The Survey Team members in charge of the road and the electricity distribution sectors respectively selected Vietnamese Consulting Firms who have the experiences of the SPL Projects and their related surveys such as the Special Assistance for Project Formation (SAPROF) studies, etc. followed by the evaluation of the cost estimates submitted by the candidate consultant firms.

The Team completed the selection at the middle of April, 2010 and submitted the report on the procedure of selection to JICA immediately.

3.2.1.4 Number of Infrastructures Surveyed

There is an infrastructure which was constructed through the sub-project in different phases. A number of infrastructures are/were constructed through sub-projects in different phases except the electricity distribution sector; the number of infrastructures is accordingly less than that of sub-projects. In case of water supply sector, three (3) sub-projects have the scheme to construct two (2) WSSs.

After all, the number of sub-projects surveyed is as follows:

Table 3.2-1 Number of Infrastructures

Sector	Road	Electricity Distribution	Water Supply	Irrigation	Total
No. of Sub-Projects	518	526	96	85	1,225
No. of Infrastructures	408	526	97	84	1,115

The list of the infrastructures and their distribution by province are shown in Appendices 1.2, 1.3 and 3.1.

3.2.1.5 Timeline of Survey Carried Out

The Survey started its preparation on March, 2010 in Japan and the Team continued the preparation works including discussion with MPI, deliver of the questionnaires, etc. on April in Hanoi followed by the site visiting survey which took around four (4) months to complete. In parallel with the questionnaire and site surveys, the database specialist prepared the database format which would have the data and information collected through the survey. The Survey Team prepared the draft final report on September for comments from the parties concerned. After having the comments, it submitted the final report on November, 2010.

Table 3.2-2 Timeline of the Survey

	2010									
	3	4	5	6	7	8	9	10	11	
Preparation in Japan	■									
Preparation in Vietnam		■								
Delivery of Questionnaire			■							
Receiving the Replies to the Questionnaires				■						
Site Visiting (Road Sector)				■						
Site Visiting (Electricity Sector)				■						
Site Visiting (Water Supply Sector)				■						
Site Visiting (Irrigation Sector)				■						
Preparation of Database Format					■					
Data Input for the Database (Road and Electricity Sectors)					■					
Data Input for the Database (Water Supply and Irrigation Sectors)					■					
Workshop on Database								■		
Reporting (Inception Report)										
Reporting (Interim Report)										
Reporting (Draft Final Report)										
Reporting (Final Report)										

3.2.2 Questionnaire Survey

The Survey Team intended to send the questionnaires to MPI, DPIS, District People’s Committees (DPCs) and OM/M organizations of all the facilities, however, the Team excluded the OM/M organizations relative to SPL I and II after the discussion with MPI due to the difficulties to identify them of which facilities had been constructed long ago and were altered, renewed or replaced up to present.

The Survey for the facilities relative to SPL I and II and their OM/M organization were made with the visual confirmation and interview by the Survey Team members with the assistance of DPIS.

The Team sent the questionnaire at the end of April with the assistance of MPI and expected to receive the replies by the end of June at the latest, though the Team requested to reply to the questionnaires by 20th May, 2010. However, the rate of receiving the replies was quite low even at the end of June; the Team continued to make effort to receive them as much as possible with the assistance of MPI and

JICA. Appendix 3.2 shows the record on receiving the replies to the questionnaires. As shown in the Appendix 3.2, the average rate of receiving the replies to the questionnaires is less than 50%.

It might come from the complexity of the questionnaire and sending its reply. MPI sent the questionnaire by the request of the Survey Team to DPI and DPI makes copies of it to send them to the SPMUs through the DPC concerned or send it to the OM/M organizations sometimes through DPC and the replies were not necessarily sent through the opposite way to the Survey Team.

In the course of the delivery of the documents, the questionnaire might not reach the just person of the OM/M of the facilities and the reply long time after the delivery might go an inappropriate place.

The questionnaire made out for the Asset Survey is shown in the Appendix 3.3.

3.2.3 Site Survey

Appendix 3.4 shows the Progress Record of the Survey.

3.2.3.1 Number of the Survey Team and Scope of Work of Each Team

The electricity distribution sector executed the survey by the Vietnamese consultant. The Vietnamese consultant was employed in compliance with "Guide for evaluation procedures for employment of consultants, June 2006".

As shown in Table 3.2-3, there are 526 sub-projects in the electricity distribution sector and three (3) survey teams were assigned, North team, Central team and South team.

Table 3.2-3 Outline of the Site Survey for Each Team

Team	No. of Sub-Projects	No. of Province
North	224	25
Central	72	5
South	230	30
Total	526	60

3.2.3.2 Structure of the Survey Team

Three (3) teams are assigned as shown in Figure 3.2-3.

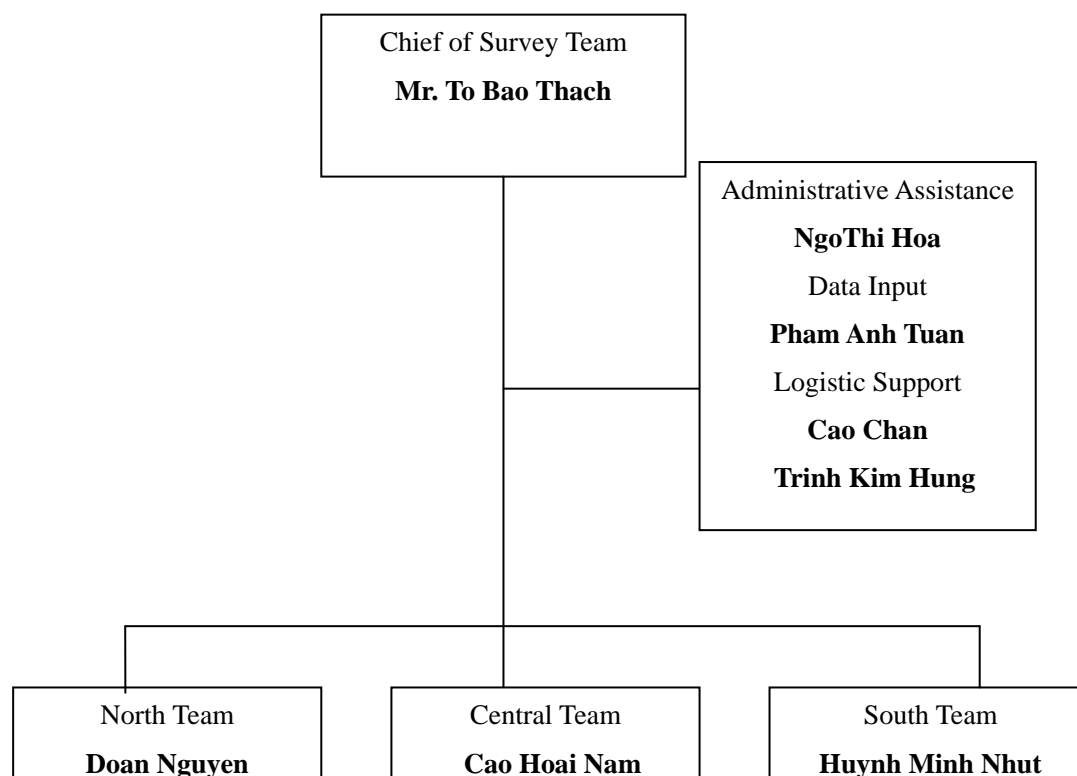


Figure 3.2-3 Structure of Electricity Distribution Sector Survey Team

3.2.3.3 Survey Schedule

The site survey implemented from April 22nd 2010 to September 30th 2010. The survey schedule is shown in Table 3.2-4.

Table3.2-4 Survey Schedule

Team	Visit Date		Province	No. of Sub-Project
	from	to		
North	15-Jun	18-Jun	Bac Giang	23
	30-Jun	1-Jul	Bac Kan	5
	13-Jun	15-Jun	Bac Ninh	8
	12-May	15-May	Cao Bang	13
	2-Aug	2-Aug	Dien Bien	1
	22-Jun	23-Jun	Ha Giang	5
	2-Jun	3-Jun	Ha Nam	11
	8-Aug	20-Aug	Ha Noi	8
	24-Jun	25-Jun	Hai Duong	8

Team	Visit Date		Province	No. of Sub-Project
	from	to		
North	13-Aug	13-Aug	Hai Phong	1
	17-May	18-May	Hoa Binh	11
	7-Jun	8-Jun	Hung Yen	7
	3-Aug	4-Aug	Lai Chau	7
	13-Aug	17-Aug	Lang Son	8
	14-Jul	15-Jul	Lao Cai	14
	10-Jun	11-Jun	Nam Dinh	15
	1-Jun	2-Jun	Ninh Binh	9
	18-May	20-May	Phu Tho	19
	12-Aug	18-Aug	Quang Ninh	1
	29-Jul	1-Aug.	Son La	10
	8-Jun	9-Jun	Thai Binh	8
	11-Aug	16-Aug	Thai Nguyen	8
	24-Jun	25-Jun	Tuyen Quang	8
	10-Aug	13-Aug	Vinh Phuc	8
	24-May	25-May	Yen Bai	8
Central	30-Jul	6-Aug	Ha Tinh	26
	30-Jul	31-Jul	Nghe An	13
	5-Aug	10-Aug	Quang Binh	10
	9-Aug	13-Aug	Quang Tri	13
	23-Jul	24-Jul	Thanh Hoa	10
South	1-Jul	2-Jul	An Giang	16
	9-May	10-May	Ba Ria Vung Tau	4
	25-Jun	26-Jun	Bac Lieu	6
	29-Jun	30-Jun	Ben Tre	5
	27-Jul	28-Jul	Binh Dinh	11
	6-May	6-May	Binh Duong	4
	6-May	7-May	Binh Phuoc	7
	13-May	14-May	Binh Thuan	15
	7-Jul	8-Jul	Ca Mau	6
			Can Tho	0
	11-Jul	12-Jul	Da Nang	7
	8-Aug	19-Aug	Dak Lak	9
	6-Aug	20-Aug	Dak Nong	4
		Dong Nai	0	

Team	Visit Date		Province	No. of Sub-Project
	from	to		
South	30-Jun	1-Jul	Dong Thap	8
	10-Aug	17-Aug	Gia Lai	11
	7-Jun	8-Jun	Hau Giang	4
	2-Aug	3-Aug	Khanh Hoa	8
	15-Jun	16-Jun	Kien Giang	4
	12-Aug	13-Aug	Kon Tum	7
	30-Jul	31-Jul	Lam Dong	11
	19-May	20-May	Long An	3
	18-May	19-May	Ninh Thuan	11
	30-Jul	31-Jul	Phu Yen	9
	18-Jul	19-Jul	Quang Nam	11
	23-Jul	24-Jul	Quang Ngai	9
	23-Jun	24-Jun	Soc Trang	7
	4-May	5-May	Tay Ninh	4
	14-Jul	15-Jul	Thua Thien Hue	10
	23-Jun	24-Jun	Tien Giang	9
	10-Jun	11-Jun	Tra Vinh	6
	9-Jun	10-Jun	Vinh Long	4

Chapter 4 Outline, Current Situation and Utilization of the Facilities Constructed under SPL

4.1 Outline of Facilities

4.1.1 Outline of Facilities

In general, wires, distribution transformers and the other equipments are the essential components for the distribution network. In the SPL Projects these facilities are needed in the same way. Major constructed projects in the Electricity Distribution sector are summarized as follows.

- Medium Voltage (MV) Distribution Feeder
- Low Voltage Line (LVL)
- Distribution Transformer

The number of electricity distribution sector sub-projects is 526. The total length of MV and LV distribution lines is 11,286km, while the whole outputs of distribution transformers is 214,450kVA.

The line length and the transformers' outputs by each SPL phase is shown as below.

Table 4.1-1 Line Length and the Transformers' Outputs by each SPL Phase

Phase	Line Length (km)	Output of DTs (kVA)
SPL I	3,081	74,289
SPL II	3,617	70,903
SPL III	2,358	38,522
SPL IV	1,111	19,495
SPL V	1,119	11,241
Total	11,286	214,450

In addition, the following three (3) projects were implemented in the SPL Projects.

- Medium Voltage Disconnecter at the Tapping Point
- Low Voltage Protection Structure
- Household Connection and Drop Service

The details are the followings:

(1) Construction of Medium Voltage of Distribution Feeder (Poles, Conductors, Insulators etc)

- Normal Construction

Poles: Centrifugal Concrete for MVL (based on the Technical Regulations issued by MOIT)

Conductors: Aluminum Conductor with Steel Reinforcement (ACSR international acronym =

AC Vietnamese)

Insulators: Standing Ceramic or Hanging Glass

Station: Outdoor Construction with Hanging Poles

(2) Construction of Low Voltage Line (Poles, Conductors, Insulators, etc)

Rectangular section or centrifugal concrete poles for the LVL with naked conductor for non populated areas and with insulated wires for populated areas

(3) Distribution Transformer (Transformers, Branch box for LV, Arrester, Cut-out switch, etc)

Load Break Switches (LBS) and Capacitors are installed in the MVL but the investment has been implemented by EVN sown resources in order to keep the reliability.

4.1.2 Components of Facilities

In the SPL Projects, distribution networks have been newly constructed aiming at the electric power supply for the non-electricity areas. These networks have connected to the existing power systems, which have the varieties of their system voltages. So the voltages of the networks constructed under the SPL Projects are not unified. As for the main facilities, such like poles, wires and the distribution transformers, no significant differences were observed between North and South, one province and the neighboring. One feature is that SPL Projects were implemented in the area where demands for electricity are relatively low. So the size of the wires and the outputs of the transformers are small in general. In some areas where a lot of lightning attack exist, the surge arresters are installed in the LV network based on the guidance of the general planning and designing policies for the distribution network in the case of having severe thunder attack.

As a result of the site survey, the necessary distribution facilities were exactly constructed using the SPL fund appropriately, so that we confirmed that each sub-project had contributed to livelihood improvement of population in poverty.

The components of facilities are as follows (See Figure 4.1-1, 4.1-2, 4.1-3).

4.1.2.1 Construction of Medium Voltage of Distribution Feeder

The Medium Voltage of Distribution Feeder is the network whose voltage is 10-35kV in general. The network is an essential infrastructure for the electricity supply to the customers, its power source is the distribution substation and the configuration of network is web-like in cities, towns or villages.

Main elements of distribution network are utility poles, wires, LBS and distribution transformers.

Utility poles are installed in order to hold the wires and the equipments such like LBS or distribution transformer, and they are made of concrete. They are installed each other in the distance of 20-40 meters.

The conductors of the wires are aluminum, because of its low electric resistance and the light weight.

The LBS is the switching facility which control the power flow of distribution network, by opening or shutting the current of distribution line. It is installed at the point where branching line will depart from the main line, so it is useful when the fault should be isolated or de-energize one section in construction.

The electrical power system for MV network is 3-phase 3-wire, which is the most efficient system for the power transmission and can supply the rotating magnetic fields indispensable for driving the medium-sized or bigger motors. In the 3-phase 3-wire system, three (3) wires are needed and the each voltage applied to each wire is different. 22kV system voltage means that the voltage between two wires out of three is 22kV.

In case the demand for electricity is small, the simpler single-phase 2-wire system may be introduced. In this system, only two wires are needed and the voltage applied to one wire only, the other is connected to the earth. But this system can not supply the rotating magnetic fields.

There are many varieties of wires. For the distribution network, typical diameters of the wire are 2-15 mm. Big-sized wires are used mainly in near distribution substations, because the electrical resistance of big-sized wires is low and the current flow limitation is high. On the other hand, big-sized wires are no longer needed in the area which is far from the distribution substation. And the voltage of distribution network has no linkage with the size of the wires. Wires for the MV lines have no insulators in the same way as the wires for electrical transmission lines.

The MV distribution lines with concrete poles as shown in Table 4.1-2 had constructed and installed in order to supply the power to non-electric areas as the main objective. The table shows that there are many system voltages besides 22 or 35 kV, the standard voltage for MV network in Vietnam. It suggests that the voltage of existing network, which are the power source of network constructed under the SPL Projects, have not been unified or standardized for a lot of reasons. "AC35" means Aluminum Conductor whose nominal cross-section is 35mm².

Table 4.1-2 Medium Voltage Line Typically Installed in the SPL Projects

Voltage	Type	Size of Conductor
10 kV	Overhead Line, 3 phases	AC35, AC50, AC70, AC95(3wires)
12.7 kV	Overhead Line, 1 phase	AC35, AC50, AC70, AC95(2wires)
15 kV	Overhead Line, 3 phases	AC35, AC50, AC70, AC95(3wires)
22 kV	Overhead Line, 3 phases	AC35, AC50, AC70, AC95(3wires)
35 kV	Overhead Line, 3 phases	AC35, AC50, AC70, AC95(3wires)

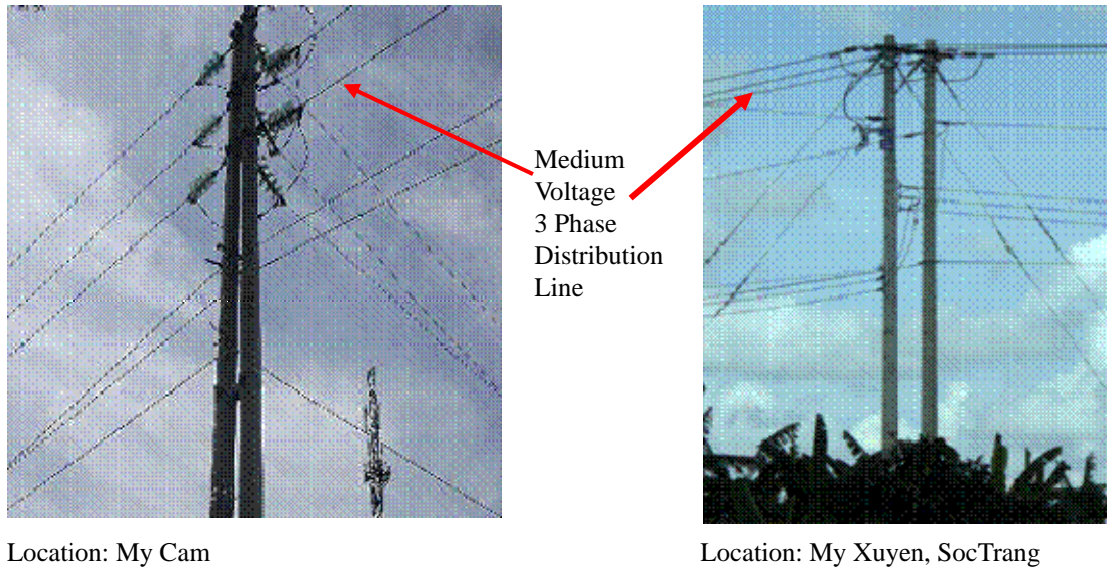


Figure 4.1-1 Medium Voltage Distribution Line

4.1.2.2 Construction of Low Voltage Line

LVL is the network constructed from the distribution transformer, which is the power source of LV line, to the each receiving point of consumer. Its voltage is 400V (0.4kV) or 230V (0.23kV). When LVLs are constructed with MVLs together, LVLs are 1-some meters below the MVLs, and the utility poles for MVLs hold the LV wires. When there are no poles, newly installed poles for LVLs will grasp the LV wires. The poles are made of concrete in the same way as MVLs, their interval is about 20-40m also, but the switch applied for LV network is so scarce.

The electrical power system for LVLs is 3- phase 4-wire, whose configuration is 3-phase 3-wire plus one additional wire (connected to earth). It supplies electrical power to the motors and the big power machines by three hot lines(the voltage between each hot line is 400V), while to the popular home appliance or lights by one hot line and one earthing wire(the voltage between hot line and the earthing wire is 230V).

In some cases, single-phase 2-wire system may be adapted where the demand is small.

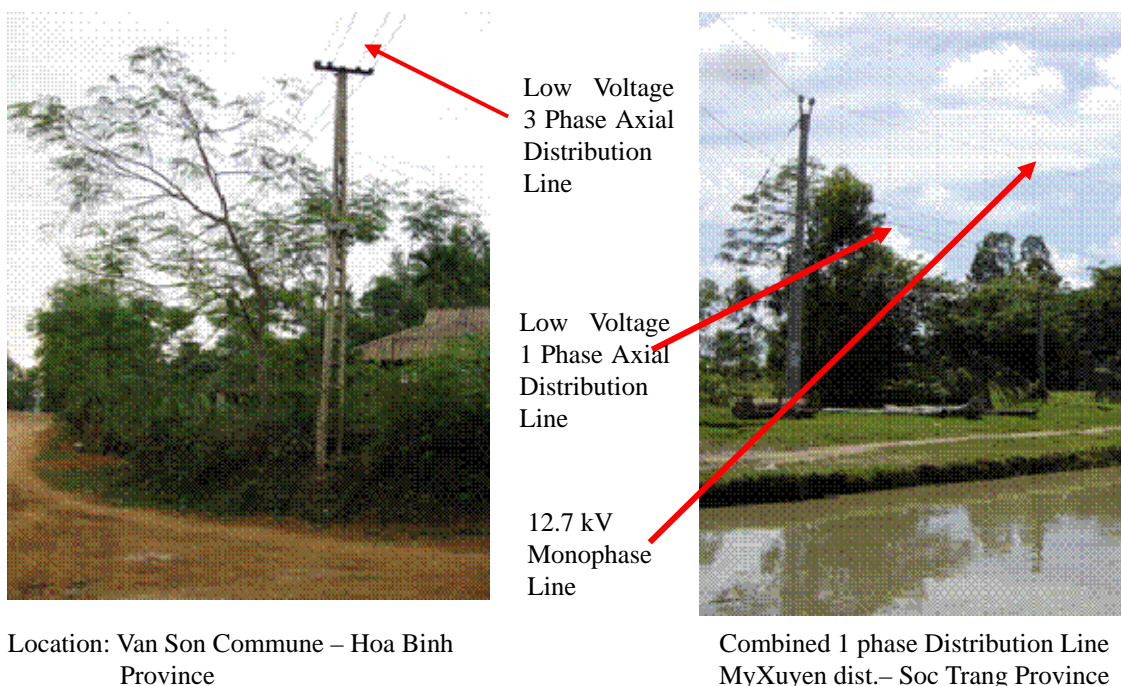


Figure 4.1-2 Low Voltage 3 Phase and Combined 1 Phase Distribution Lines

The bigger size of LV wires becomes, the more current can flow through the conductor in the same manner as MV wires. So big-sized wires are used near the distribution transformers, and small-sized wires are installed in the end of main line or in the branching line. LV wires have their insulators covering the conductors in order to avoid the contact between near-by trees and the conductors.

Typically installed wires are shown in Table 4.1-3, "AV35" and "A35" mean Aluminum conductor whose nominal cross-section is 35mm² with insulators made of Vinyl, and Aluminum conductor whose nominal cross-section is 35mm² without insulators, respectively. Also Table 4.1-3 shows that the LVL consists of main line (3-phase 4-wire system) and branching line(3-phase 4-wire system or single-phase 2-wire system).

Table 4.1-3 Low Voltage Line Typically Installed in the SPL Projects

Voltage	Type	Size of Conductor
0.4 kV	Overhead Line, 3 phases	AV35, AV50, AV70, AV95, A35, A50, A70, A95
0.23 kV	Overhead Line, 1 phase	AV35, AV50, A35, A50

4.1.2.3 Distribution Transformer

The function of distribution transformers is to transform the medium voltage (10-35kV) to low voltage (400V, 230V). The construction of distribution transformers are winding coil and the core, they are both assembled inside the body of transformers. The body is filled with the insulating oil with purposes of cooling the heat from the winding coil and insulating a hot point from the earthing. Accessories are also equipped with distribution transformers shown as below.

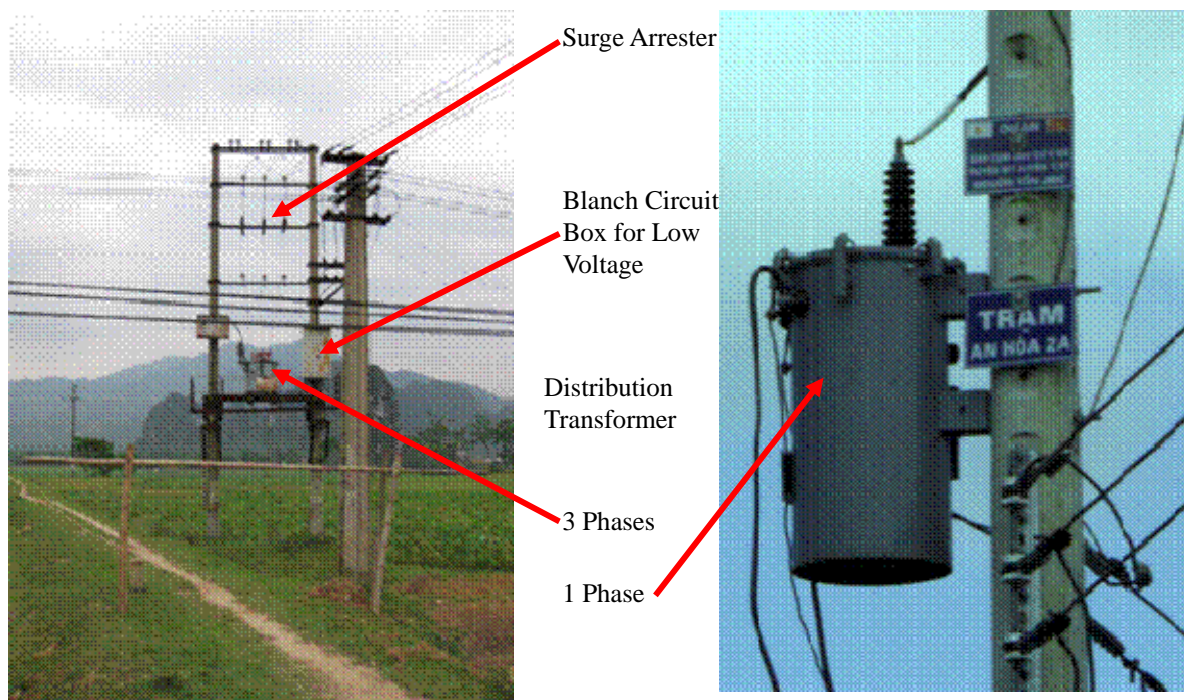
- High voltage cut-out switch with fuse: for protection and maintenance of distribution transformer
- Surge arrester: for protection of the transformer against a lightning surge
- Branch circuits of low voltage: for supplying power to the consumers

Distribution transformers installed under the SPL Projects are shown in Table 4.1-4, “10/0.4kV, 0.23kV” means that the primary voltage of distribution transformer is 10kV while secondary voltage is 0.4kV (400V) between the hot lines and 0.23kV (230V) between the hot line and the earthing wire. The capacity of distribution transformer is equal to multiply the voltage by the current. Distribution transformers in proper capacity are selected and installed in accordance with the load of the network.

Table 4.1-4 Distribution Transformer Installed in the SPL Projects

Voltage	Capacity
10/0.4, 0.23 kV	50kVA, 75kVA, 100kVA, 160kVA, 180kVA, 250kVA, 320kVA
12.7/0.23 kV	15kVA, 25 kVA, 31.5kVA, 35kVA, 50kVA, 75kVA
15/0.4, 0.23 kV	50kVA, 75kVA, 100kVA, 160kVA, 180kVA, 250kVA, 320kVA
22/0.4, 0.23 kV	50kVA, 75kVA, 100kVA, 160kVA, 180kVA, 250kVA, 320kVA
35/0.4, 0.23 kV	50kVA, 75kVA, 100kVA, 160kVA, 180kVA, 250kVA, 320kVA

Note: Transformer of 12.7kV is used for single phase and is connected between 22kV phase and ground, so that the secondary voltage is only of 0.23kV.



Location : Hop Kim Commune – Hoa Binh
Province

Thanh Thoi An Commune, My Xuyen
District – Soc Trang Province

Figure 4.1-3 Distribution Transformer

4.1.2.4 Medium Voltage Disconnecter at the Tapping Point of Local Medium Voltage Line Network

Usually this component is used for all kinds of electric line at projected tapping point to separate the sub-project lines and cut out the current when needed (for repairing or removing the load).

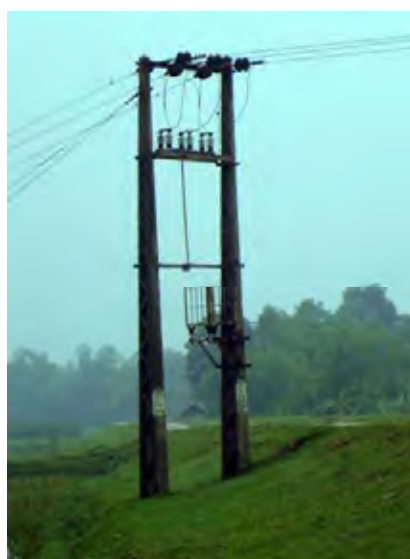


Figure 4.1-4 35 kV Triphases Disconnecter in one of Phu Tho – Vinh Phuc Sub-Projects

4.1.2.5 Low Voltage Protection Structure

At the ending pole of a LVL stretching in mountainous locations, low voltage lightning arresters are installed in order to avoid surge discharge spreading along the LVL which can damage all facilities connected to the line, and also the distribution transformer.



Figure 4.1-5 Thang Tin Sub-Project of Hoang Su Phi District in Ha Giang Province

4.1.2.6 Household Connection and Drop Service

As determined by the Law of Electricity approved by the Vietnam National Assembly in 2004, the Power supplier has to furnish inhabitant customer with Household connection and kWh meter with free of charge, these finalizing facilities of the power supply line are also included in the investment cost of the sub-project.



Figure 4.1-6 Electricity Workmen Implementing the Drop Service for Inhabitants' Household in Thanh Phu Commune of My Xuyen District in Soc Trang Province

4.1.2.7 Special Construction

For coastal areas, following installations are equipped with the MV feeder for poor fishermen's floating communities.

Conductors: Copper, preventing against rust.

Station: Closed

Poles and insulators: Same as the normal construction



Figure 4.1-7 Cam Nhung Commune Electric Line of Cam Xuyen Coastal District in Ha Tinh Province

For Poor Communes in Solitary River Islets and Promontories

35 kV Submerged Cable is used for the feeder lines in some sub-projects in Ben Tre and Soc Trang provinces.



Figure 4.1-8 Submerged Medium Voltage Feeder Cable (Ben Tre Province, Ke Sach District)



Warning Panel to prohibit the anchorage for boats and floating facilities at the submerged cable place

Figure 4.1-9 Submerged Medium Voltage Feeder Cable under Song Hau River (Soc Trang Province, Ke Sach District)

For Ethnic Minority Hamlets Living in Solitary High Mountainous Land

To cross over great distances from one hill top to another, the MVL long span construction should be used.

Poles: separate pole for each phase

Conductors: Aluminum, having best steel reinforcement cores



Figure 4.1-10 Long Span Medium Voltage Line (Tuyen Quang Province, Yen Son District)

4.2 State of Utilization of Facilities

4.2.1 Overview of Installation of Facilities

The confirmed sub-projects were operated since the completion of the construction. The summarized data of the confirmed sub-projects is introduced in Table 4.2-1.

Table 4.2-1 Installation of Facilities as of Aug 31, 2010

Region	MV and LV line (km)	Distribution Transformer (kVA)
North East	2,564.0	45,571.0
North West	505.2	8,677.0
Red River Delta	620.8	34,440
North Central Coast	2,353.8	39,536.0
South Central Coast	1008.5	26,797.5
Central Highlands	884.7	18,778.0
South East	862.0	13,370.5
Mekong River Delta	2,487.0	27,280.0
Total	11,286.0	214,450.0

4.2.2 Electrification Rate

The Small-scale Pro-poor Electricity Distribution Sub-project has a role to increase the percentage of household with an access to electricity. The power line is extended to the center of the village or to the commune, however, a lot of people are living far from the center thus don't have access to electricity.

After the SPL Projects implementation, in all sub-project areas, the electrification rate was increased remarkably. Following Table 4.2-2 shows them for evaluating the effectiveness of facility utilization:

Table 4.2-2 Indicator for Evaluating the Effectiveness of Facilities Utilization

Region	Electrification Rate (Before 1996)	Electrification Rate (As of 2010)
North East	42%	78%
North West	30%	68%
Red River Delta	70%	98%
North Central Coast	48%	72%
South Central Coast	66%	86%
Central Highlands	48%	82%
South East	85%	98%
Mekong River Delta	72%	96%

4.3 Current Conditions of Facilities

The SPL Projects in electricity distribution sector have been smoothly conducted. The constructed length of (MV + LV) line is of 11,286km and the total capacity of Transformer is of 214,450 KVA.

The current condition and problems after the projects are as follows:

4.3.1 Damages Caused by Disasters

Vietnam is one of the tropical severest climates in the world. Every year, the country endures several natural disasters - such disastrous events,,which can harm all types of infrastructure, are stated below:

- Tropical typhoons (12 times/year is the highest number ever recorded)
- Floods and landslides (after strong tropical rains and showers in a number of places)
- Drought
- Whirlwinds
- Earthquakes (rare and weak – under level 2)

In order to accommodate to such climates, the GOV has progressed various measures to reduce and limit the damages caused by catastrophe on social infrastructure.

Since 1980, *The Technical Regulations for Rural Electric Systems* had been prepared and published by the Ministry of Electricity and Coal (MEC), then amended and recompiled in 1995 by the Ministry of Energy (MOE). Currently the Ministry of Industry (MOI), with the assistance of the SIDA and the JICA recompiled once more, approved for circulation by Minister Hoang Trung Hai, electricity engineer, and published in 2006 (Now Mr. Hoang Trung Hai is being Vice Prime Minister, in charge of National Infrastructure Development).

Since all the power consultant companies preparing for ODA projects are the members of the EVN, the rule conformity for project preparation needs to be reliable everywhere nationwide. All the OECF and the JBIC survey missions in the past, found the best strong and stable endurance of invested electric facilities against disasters everywhere. Therefore, the facilities have shown that they can function even during and after catastrophe.

In October 2006, a follow-up mission of the JBIC-MPI visited the SPL-IV electricity subproject in Son Bang – Son Think communes of Huong Son district in Ha Tinh province just after a strong flood, the best endurance of all the facilities were observed.



Figure 4.3-1 Damaged Electricity Facilities (Ha Tinh Province, Huong Son District, Son Think Communes)

The most dangerous disaster for the electric line is landslides in wet condition. However, under the regulation, consultants-designers conduct their investigation for geological and topographical data enough for line layout selection. Hereby, this kind of disaster could not harm most of infrastructure components of the electricity sector in rural area.

The design of all feeders and lines from a network MV isolator to household connected kWh meters should be based on the “Technical Regulations for Rural Electrification System” issued by the MOIT. All facilities can endure against disasters, rarely damaged.

In case of a lightning surge, the EVN also has repaired the damaged facilities such as distribution transformers, insulators, etc, so that the projects have been satisfactorily re-operated promptly.

4.3.2 Capacity

In general electric facilities endure their operational capacity during their technical-economical life stipulated by Vietnam and the IEC norms and standards.

The proper cross-section of wire conductor would be generally determined considering both the electrical factor and the mechanical factor. The former affects the voltage drop and the losses of distribution lines, while the latter has close relationship to the tension of wire and the wind force. In

the site survey, some cases were found where the size of conductors seemed to be too small to maintain the line voltage in a proper range.

Small-size wires are not expensive and easy for installation, on the other hand, the resistance of conductors becomes higher in proportion to the reciprocal number of cross section. So if the size is too small in comparison with that of proper wires, the resistance of conductor would be so high. As a sequence the voltage drop will be so large and the power quality for customers won't be satisfactory. In addition, losses caused by the resistance of wires are proportional to the resistance, so too small-size wires are not beneficial. The lack of maintenance of facilities is the cause of these cases. In spite of the growth of demand for electric utility power, the O/M organization will keep using the small-size wires and not replace the wires by the bigger one. Now the problems about voltage are not reported. But in the near future home appliances or the processing machines will be changed to more advanced ones, and then the voltage drop should be improved. As the advanced loads are so sensitive to the receiving voltage, and the proper range of voltage is essential.

4.3.3 Deterioration by Aging and Insufficient Maintenance and Management

Since electric equipment in power distribution function is static entity not kinetic or dynamic mechanically, the aging factor of deterioration concept is not clear. In general, the facilities having rotors or movements show their specific features on their aging, so information about when they should be checked periodically or should be replaced by new equipment is obtained easily. The OM/M organization can do checking or replacement in proper way because this kind of information is given in such ways of operation-years or operation-time. On the other hand, most of distribution facilities are static ones, so their aging depends on the circumstances in which they are installed. It means that the varieties of the sites prevent the distribution companies from checking or replacing their assets timely.

The most significant example about equipment deterioration is the rust on the surface of the equipment. About one fourth of distribution transformers had the rusts on their surfaces in spite of the mild conditions surrounding them and the short time after their installation. In average 25% of the surfaces on the distribution transformers having the rusts were covered by the stains. In the worst the rusts in red colour are observed to be there and developing. Rusts grow and make hole on the surface, which will bring the leakage of insulating oil filled inside the distribution transformer. Then OM/M organizations will face the following problems.

- If the leakage of insulating oil would happen at the distribution transformer installed above the rice fields, the blowout of oil will fall in the rice fields and diffuse in the whole of that fields. Then a lot of crops will be damaged widely.
- The leakage of insulating oil may bring the lack of cooling effect, then distribution transformer would be in extraordinary high temperature. It means that distribution transformers would burn, or the insulating oil would catch fire or blow out from the

transformers. When these accidents happen, the buildings, trees or vegetables which are very near to the distribution transformers would catch fire so easily. Furthermore the outage due to the malfunction of transformers would occur, and the blowing insulating oil would injure the crops or the person severely, which are next to the distribution transformers.

- The amount of insulation oil would be diminished due to the leakage, then the oil would be no longer able to avoid short circuit inside the distribution transformers. As a result, electric power supply would be interrupted.

Insufficient maintenance and management could harm the facilities almost in Low Voltage side if these components belong to the ownership of non-professional agents. This case had, longtime ago, happened in the commissioning time after implementation. But while handed to local EVN members, the conditions of the maintenance and management were improved and perfected. ODA facilities are in the first priority of all careful operations in maintenance and handling. The deteriorated or damaged component should be promptly changed by other of the same size and capacity, in order to conserve the continuity of power supply to the customers.

Some outages in the distribution MV feeders occurred due to contact by tree or animals, whenever the safety corridor was encroached (tree growth, ...) as the line of Medium Voltage is wholly not insulated, while the LV line under the SPL Projects has no faults by the contacts, because the LV line is installed by insulated wires especially in populated areas. But with the attention of participatory community, those defects are day by day discovered, promptly informed to EVN member's staff and treated in early time.

4.3.4 Alteration

As shown in *The Technical Regulations for Rural Electrification*, the alteration of 6,10,12.7,15kV into 22, 35 kV systems for the Medium Voltage are compelled after the exhaust level utilization and the last time of component technical life in the old systems.

The 10kV Medium Line under the SPL Projects were to 22/35kV Medium line under EVN finance, which means to increase the acceptable consumers and improve the distribution loss.

Up to this survey period, there are not existing 6 kV MVL, and most of solitary TFS at 10 kV had changed to 22-35 kV primary voltage. Existing 10 kV components only endure in the localities situated near Intermediary Substation 110/35-22-10 kV of which site is near urbanized and populated situation.

Chapter 5 Operation, Maintenance and Management of the Facilities

5.1 Condition of Operation, Maintenance and Management of the Facilities

5.1.1 Function of Project Management Unit and Operation, Maintenance and Management Organization during the Sub-Project Development Stages

All electricity distribution sub-projects have the clear demarcation of the development function between implementation stage and utilization stage of the facilities. Defects liability period and Hand-over Documentation with signature of all concerning entities are the definitive remark on this function demarcation.

Normally, project management unit is assigned by the chairman of provincial peoples' committee (PPC) when budget allocation for the sub-project is approved by PPC.

Function of the project management unit is to implement projects, thus it terminates with the end of the defects liability period.

In Vietnam, there are four (4) types of sub-project PMU and they are selected by the PPC Chairman.

- Project Management Unit under Provincial Electricity (PE, provincial member of EVN)
- Project Management Unit under DOIT
- Project Management Unit under DPI
- DPC

Facilities constructed under sub-projects are transferred to operation, maintenance and management (OM/M) organizations like shown below:

- DE (District Electricity, district member of EVN)
- Provincial Electricity Company under PPC
- DPC

Depending on the voltage, electricity distribution assets are divided into two (2) types and they belong to two (2) different owners:

- DE for Medium Voltage (MV) facilities
- Power Supply Cooperative (PSC) for Low Voltage (LV) facilities

Although the final owner of the electrical assets varies, according to the Law of Electricity, district and provincial members of EVN should do their basic management task, whenever the power supply has a problem.

5.1.2 Operation

Nearly all the OM/M organizations, or current assets owners, belong to EVN, the operation of the facilities is proceeding smoothly. The electricity tariff is fixed by the government as current expenditure for social infrastructure that is acceptable for all users.

5.1.3 Maintenance

Maintenance (monitoring, small-scale repair, large-scale repair, improvement, alteration, etc.) of the facilities is ensured by the local member of EVN. All these activities are planned yearly by DE and approved by PE in the last month of year and then conducted in the next year without delay, nationwide.

DE also has responsibility for the maintenance of LV facilities, though they belong to PSC. DE conducts maintenance based on the power purchase contract signed by director of DE and head of PSC.

The following picture shows the regular investigation of the facilities, which are owned by PSC, conducted by DE.



Figure 5.1-1 Maintenance Conducted by Kim Son Electricity (District Electricity) of Low Voltage Facilities which belongs to Hung Tien Power Supply Cooperative (Ninh Binh Province, Kim Son District)

5.1.4 Management

For a long time, distribution network including facilities constructed under the SPL Projects has been managed by mainly EVN. Hence, EVN has abundant experiences, especially in the rural areas. The electrification rate of households is about 98% in Vietnam, it is approximately 20 million families have access to the electricity in Vietnam.

All the operational data of the facilities is kept in the district archives. And in some areas, the data is

saved also in the computerized systems. Therefore, EVN can conduct appropriate management of the facilities to ensure electricity supply timely, which is indispensable for stable livelihood and socio-economic activities.

The challenge EVN faces now is not in the electricity distribution, but in the power generation. Though 60% of power generation sources are hydropower, because of lack of water due to world climate change, power supply hasn't met the current rapid demand in the economic in Vietnam in this decade.

During dry season, power supply is cut in some rural areas. However, this is not the problem found in all the distribution networks.

5.2 Organization and System of Operation, Maintenance and Management of the Facilities

5.2.1 Operation, Maintenance and Management Organization

SPL Project assets are small-scale electricity distribution networks, which mostly supply power to the people living in the rural area. The small-scale network starts from one MV disconnector, which separates the tapping point in the nearby existing MV feeder.

Hence, OM/M organization of the distribution network constructed under the SPL Projects is DE (See "Figure 7.4-1 Overview of EVN Organization for Operation, Maintenance and Management")

All DEs have their head office in the center of the district. DEs are organized well for operation and maintenance of district power distribution systems, including the facilities constructed under the SPL Projects (See the Figure 5.2-1).

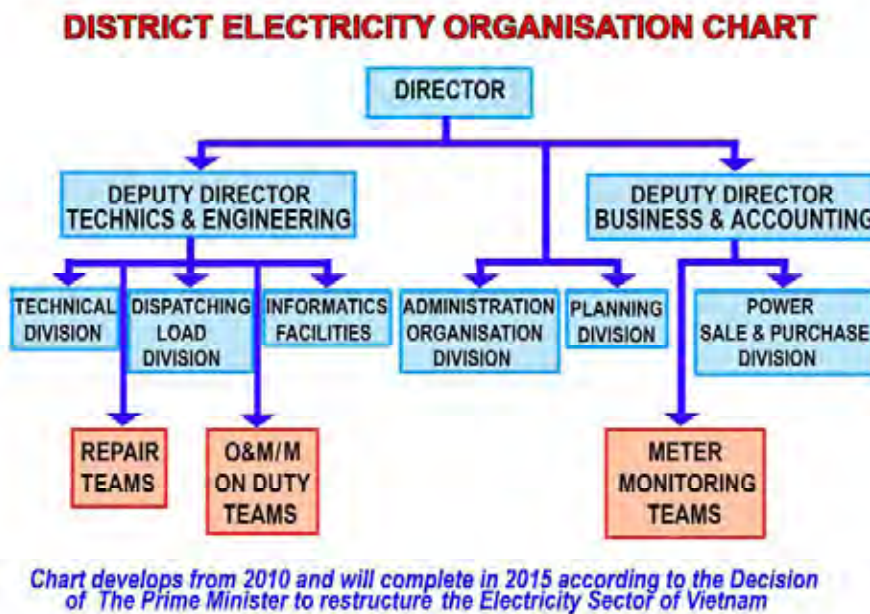


Figure 5.2-1 District Electricity Organization Chart

As mentioned in Chapter 5.1.1, some OM/Ms of LV facilities are conducted by PSC based on the

decision by chairman of PPC (these were observed in some LV facilities constructed under SPL II, III and IV in remote mountainous and coastal areas).

To make the situation mentioned in Chapter 5.1.3 understandable, the relationship among PSC, DE and government is shown in Figure 5.2-2.

Furthermore, OM/Ms of all facilities constructed under SPL Projects was transferred to EVN based on the decision by GOV in March 2nd 2009 and the Inter-ministerial Circular No.06-2010 / TTLT-BCT-BTC on February 3rd 2010 issued by MOIT and MOF.

POWER SUPPLY COOPERATIVE WITH EXISTING MANagements AND RELATIONS

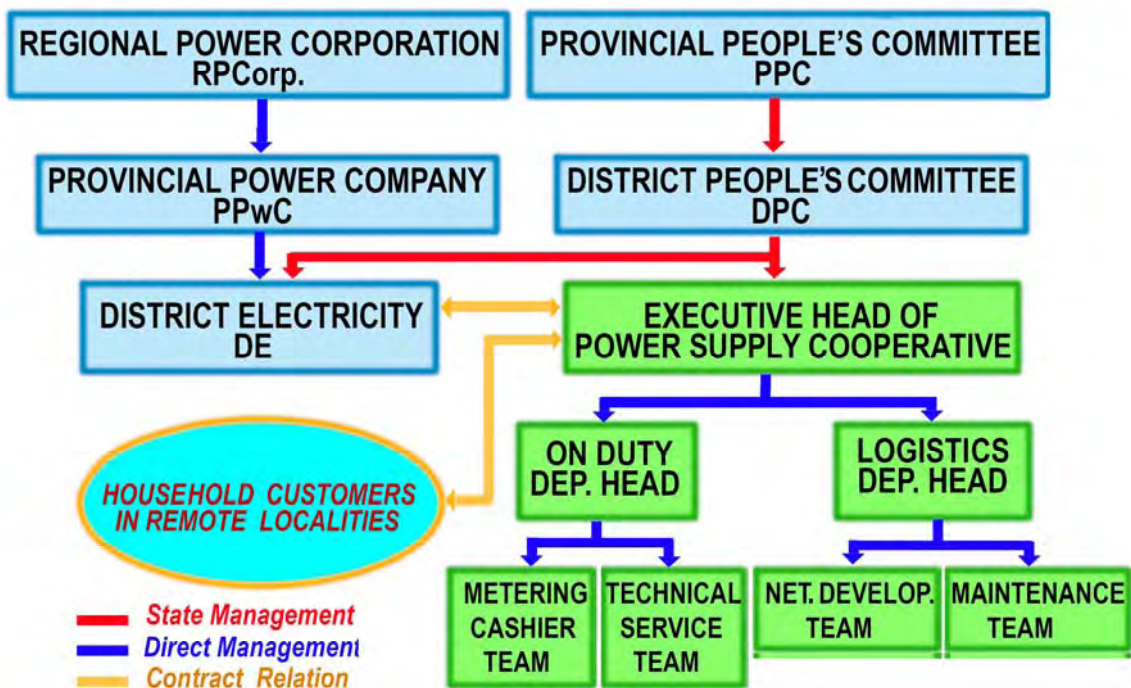


Figure 5.2-2 Relation among Power Supply Cooperative, District Electricity and Local Government

5.2.2 Operation, Maintenance and Management System for Emergency Cases

OM/M costs for emergency is funded by EVN own resources, which are backup funds from power tariff income planned by the PE and approved by the regional power corporation. Normally DE request budget to the upstream organization of EVN. The budget is decided taking into consideration the size of the outage and a fixed time being within regulated by the Law of Electricity.

Chapter 6 Impact and Effectiveness of SPL Projects

6.1 Sub-Projects with Less Effectiveness

Aside from the following sub-projects, there have not been any sub-projects with problems, as maintenance and management by EVN has been well implemented.

Some Less Effectiveness cases are as follows:

6.1.1 Ly Son Island District Electric Network / Quang Ngai Province / Ly Son District / SPL II

In Ly Son Island, Quang Ngai province, the generator was broken, and the electric power has halted in the distribution MV feeder connecting to the generator, power supply cut to the islanders.

In Ly Son Island (Ly Son Island District Electric Network, Ly Son district / SPL II), the diesel generator (380 kVA) in SPL Project did not work around 5 years ago. Household inhabitant power customers have bought small diesel generators to furnish the family demand. Recently the Prime Minister, Mr. Nguyen Tan Dung, during his visit to the island, directly decided to invest one (1) small coal fired thermal power generation unit of three (3) MW responding to the social economic development of the island inhabitants. The Feasibility Study (F/S) was carried out and the project will be implemented in 2010-2011 by VINACOMIN project owner (Project reviewed by VECC in 2009).

6.1.2 All of Sub-Projects (6) in Bac Lieu Province

All of the six (6) sub-projects in Bac Lieu province are completed and are under operation. However, PMU refused to disburse the communication costs because of the mistakes in procedure. In 2003, these sub-projects costs were disbursed by provincial budget after completion and handed over for operation.

6.1.3 Giang Son Electric Line / SPL I, Van Tuong Commune Electric Line / SPL II, Bac Lieu Province

Two (2) out of eight (8) sub-projects of Bac Ninh province are only partially completed. Currently, a portion of the sub-projects financed by SPL fund is in service, such as small electric line, however, rest of the sub-projects are not yet completed due to lack of fund.

Due to the limited SPL fund, an additional sub-project (Trung Xa Commune Electric line / SPL II) in Bac Ninh province was completed by EVN own resources.

6.1.4 Then Chu Phin Commune Electric Line / Ha Giang province / SPL V

Out of five (5) sub-projects in Ha Giang province, a sub-project (Then Chu Phin Commune Electric line / SPL V) was completed in 2003. Hence, it should not be listed as SPL's project of SPL V (2006).

6.2 Sub-Projects with Impact on the Regional Development Plan

Together with the other ODA financial sources (national budget and EVN internal fund) the rural electrification in Vietnam has greatly achieved to reduce the poverty and enhance the social-economic development at remote areas.

Facilities constructed under SPL Project made possible sustainable economic growth in rural area in Vietnam;

- Road for transportation of products,
- Electricity and Clean Water Supply for development of economy and improvement of living standard,
- Irrigation for prevention of environmental pollution.

There were no projects with negative influences. The SPL Projects have contributed to the Vietnam society, especially the resident in poverty areas. Several communes strongly requested us to continue SPL Projects.

The major examples are introduced as follows.

6.2.1 Cung Re Commune Electric Line / Lam Dong Province / Cung Re District / SPL II

Up to 1998, the electrification rate was 0 %. Although after the project, it improved up to 100%. According to the commune, population of the area increased more than 60% after the project and also education level has improved. Moreover, many tea and coffee farms were established. The economy has grown 10 times better than before the project.

(Suzuki tea and coffee firms were found after the project completion, about 300 employees from the poverty area. This has improved living standard of the people.)

6.2.2 Huong Phung Commune Electrification Project / Quang Tri Province / Huong Hoa District / SPL IV

(1) Aim: Development of coffee plantation in remote frontier region of Quang Tri province

Coffee is commercial vegetation selected by Huong Hoa district in Quang Tri province, as a main objective for the local agriculture development.

Huong Hoa is a boundary district neighboring the DPR Laos. In the near future, the border gate at Lao Bao will be the first gate of East-West corridor to Burma, the nearest gate from East Sea Coast.

The district has basalt red earth, the same one as in the Central Highland of Vietnam where “Coffee of Trung Nguyen” has been the national trading mark that is known internationally.

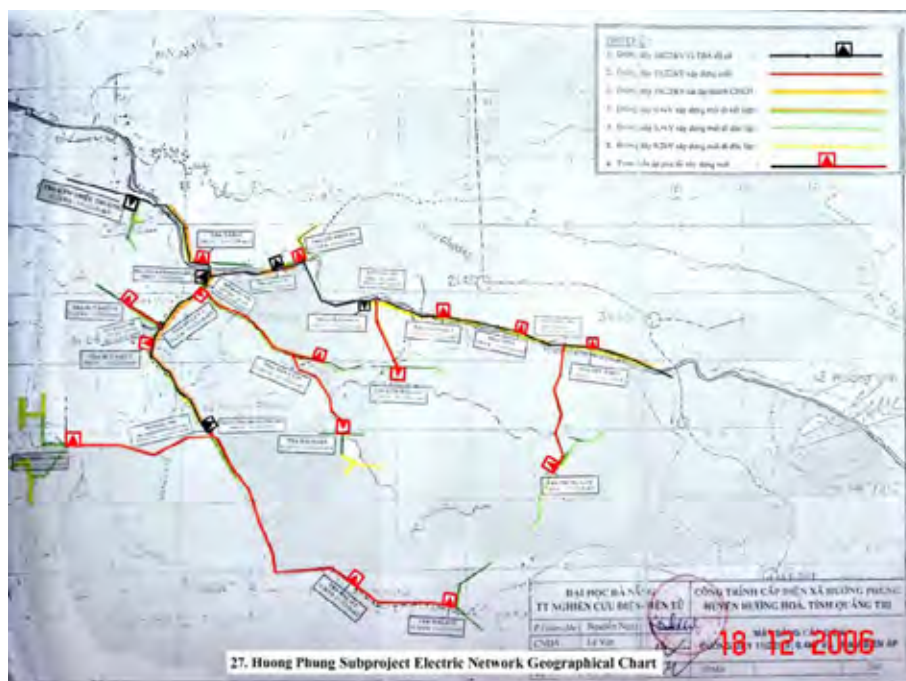


Figure 6.2-1 Huong Phung Electric Network Project, Completed and in Operation under SPL IV

Huong Phung commune was the underdeveloped pilot site, and was chosen for coffee plantation of the district. DPC had proposed that SPL fund should be allocated for improvement of road and electricity distribution to grow and transport coffee, and the rural road was constructed under SPL Project.

Under SPL IV, the sub-project “Huong Phung commune electrification” was selected by DPI-DOIT, submitted to PMU and approved by GOV and JBIC. The sub-project was implemented in a short time, thus it was completed ahead of the schedule, and has been operating in a good condition.



Figure 6.2-2 Coffee Field in Doa Cu Hamlet and its Distribution Transformer, Coffee Preparation Shop Energized by SPL IV

(Left: Coffee Field, Right: Coffee Preparation Shop)

Electric power is available, not only for the coffee fields, but also for heating-mechanical shop.

Increased production of coffee kernel has been reflected as a benefit for all the coffee farms in Huong Phung commune.



Figure 6.2-3 Electric Ventilator, Coffee Kernel Dryer - Conveyor

6.2.3 Lap Thach Electric Network in four (4) Communes / Vinh Phuc Province / Lap Thach District / SPL IV

(1) Aim 1: Traditional Industry Rehabilitation and Development

As provincial development plan, the sub-project “Lap Thach Electric network in four (4) communes” was completed in 2005, and it has been operating in a good condition. This has created a remarkable change in the social economy of Hai Luu commune; one of the four (4) beneficiary communities, located at the left bank of the historic river Lo of North Vietnam.

Hai Luu has a high potential on building in stone production. In the past, the commune had produced variety of hand-made building stones for rural building, temples and churches. Nevertheless, because of the low productivity and restricted sale price, the workmen could not escape from the poverty. However, with the current development in electricity, the production has boosted and enlarged. The quality met the international standards. Hai Luu began to export its stone products worldwide.



On the other hand, using local stone as raw materials and mechanical portable instruments as an

Figure 6.2-4 Stone Production Improved by Electricity Sub-Projects

electric drive, the art of stone carving has promptly developed in order to improve the product value. Stone carved statues are sold at high prices in and outside the country as traditional products of the Vinh Phuc province.



Figure 6.2-5 Private Stone Company, Lion and Dolphin Statues, Art Works Completed, Lion Statues at District People’s Committee’s Office

(2) Aim 2: Non-Traditional Industries Development and Small Medium Enterprise Set up

In the past, machine industries did not exist in Lap Thach district. After electrification under SPL IV project, non-traditional industries have developed on the Lo river bank. One example is: electro-mechanical and welding shops of private economic sector are opened to satisfy the local demand.



Figure 6.2-6 Turning Lathe, Welding Transformers, Metal Sheet Forming, Steel Bucket Semi-Products

Industry development of the region has stepped towards a new phase by exploiting sediment sand from Lo River. Infrastructure construction needs the sand as a basic material. In Hai Luu commune, electro-mechanical and welding shops were set up by private practices. They built up a line utilizing steel buckets in order to transport the sand from the river. The residents claim that without a proper electrical power supply, they would not have manufactured the transportation line and also the infrastructure would not have developed as the present condition.



Figure 6.2-7 Mechanical Shop on Lo River Bank, Engineering Ferries Ready to be Handed Over to Customers

As for the harmonious Regional Economic Development conducted by Vinh Phuc province, the mechanical industry has been firmly advancing. This sector requires a lot of SME, thus it's important to create a business linkage among the related industries. The most fundamental elements of industrial development are infrastructure and industrial linkage.

Considering the above conditions, Vinh Phuc has adequate environment. This is because there are already invested some strong industrial parks, and the necessity to develop small and medium size industries near the central industrial parks is well understood. Therefore, SME will be the first subcontractor found in the region.

SPL electricity distribution and road sub-projects have resulted in the successful industrialization growth of the province.

6.2.4 Electric Network in Dam Thuy Commune / Cao Bang Province / Trung Khanh District / SPL III

(1) Aim: Small-scale tourism development in Trung Khanh district of Cao Bang province

Since 1999, Trung Khanh district of Cao Bang province, that is famous for Ban Gioc waterfall, has developed Dam Thuy commune electrification project under SPL III.

After the project completion, DPC of Trung Khanh district did not wait for a large-scale tourism project to be implemented by the central government which required time for implementation, and decided to pursue a small-scale tourist project on its own.



**Figure 6.2-8 Ban Gioc Waterfall with its Distribution Transformer (50 kVA)
Installed under SPL III**

After the opening of the tourism in Ban Gioc Waterfall, the district discovered another tourist item, that is the Nguom Ngao cave of a large limestone. DPC decided to light up the beautiful sites of the inner cave with a hope to attract tourists.

In 2001, the Cao Bang tourism industry further decided to electrify four more additional tourist attractions; Pac Bo Cave of Ha Quang district and Tran Hung Dao Forest of Nguyen Binh district (historical), Cao Bang City and Ban Gioc water fall of Trung Khanh district.



Figure 6.2-9 Four Tourist Places Already Electrified

6.2.5 Xuong Thinh-Tung Khe Electric Network / Phu Tho Province / Cam Khe District / SPLIV

(1) Aim: Modernized Household Work and SME Formation

Successfully in the Tung Khe commune, 100% of the household obtained an access to electricity, after a year of electrification project under SPL IV. Employment rate has increased, and income growth also doubled.



Figure 6.2-10 Living Standard Improved by the Electricity Distribution Sub-Projects

During agricultural off-season, farmers could also open a small wood processing industry. Mr. Nguyen Van Hoang who lives in the Tung Khe commune, first assembled a crop-trimmer for his family and then begun to sell it for the neighbors. He also built a handcart for transporting agricultural products on a rural road, very convenient for every farmer. The Electric drive is very

small; that is only a tri-phased electric motor of 1.1 kW capacity.



Figure 6.2-11 Wood Processing Small Industry

6.2.6 Phuc Sen Electric Network / Cao Bang Province / Quang Uyen District /SPL IV

(1) Aim: Enhancement on the Village Traditional Profession



Figure 6.2-12 Private Mechanical Shop, Pneumatic Hammer of 11 kW, Phuc Sen Blacksmith Products

Formerly, in Phuc Sen commune of Quang Uyen district, Cao Bang province, a blacksmith industry used to be a small traditional profession. The district had a strong desire to develop this profession into a mechanical basis in order to encounter an increasing local demand on tools and farming facilities. After SPL electrification project, the profession was rediscovered with unexceptional development.

6.2.7 Xuan Tho commune – Trung Trinh + Vung La + Tu Nham Communes Electrification Networks / Phu Yen Province / Song Cau District Coast / SPL II + SPL IV

(1) Long-term Aim: Investment on a fishery in North Song Cau district -Phu Yen province

Promotion of fishery and water-product industries require a multi-sector infrastructure development: roads for product transportation and marketing, electricity for water treatment and freezing technology, pier for boat anchorage, boat-building and boat-repair SME, irrigation for drainage, and clean water supply for food processing.

Phu Yen province is an underdeveloped province located between two large potential provinces: Binh Thuan in the North and Khanh Hoa in the South, separated by two high mountains (Deo Cu Mong in the North and Deo Ca in the South of the Phu Yen province). These provinces already have extremely larger than that of Phu Yen province.



Figure 6.2-13 Song Cau District Map

During the SPL program implementation, parties concerned in Phu Yen province learnt from the guideline shown by the Consultants; Vietnamese are second to Japanese as a big fan of fish and therefore fishing is economically and socially a very important industry of the province.

Electricity distribution is the most important infrastructure for fishery. Without electricity, fishery would not be modernized and incomes of fishermen would always be unstable. Under such situation, fishermen would not be able to escape from the poverty.

Fish is a typical perishable food. Hence a proper function of freezing and storing of caught fish is very important. Otherwise, market value of fish wouldn't be maintained.

Therefore, a fishing port requires an ice plant to supply ice for fishing boats. The port should also install freezing facilities even for cold chains of cargo boats and trucks. Preferably it should also be attached to effective processing plants. The electricity is required for all.

Fish ponds or fish pens quite often need aeration.

In the beginning, Phu Yen province was in very poor underdeveloped conditions. However, after sub-projects, step by step, more fishery multi-sector infrastructures have been constructed in Song Cau district as follows:

- In 1997-1998, Xuan Tho southern neighboring commune of Dan Phuoc was electrified under SPL II.
- In 1998-1999, coastal road of Dan Phuoc commune was constructed under SPL II, and the site was electrified by extension of the invested network from Xuan Tho under local fund. Nearby the rows of coconut trees along the Dan Phuoc commune coastal road, a new hamlet appeared, namely Van Phuoc.



**Figure 6.2-14 Coastal Road and Electricity in Van Phuoc Hamlet, Fishermen’s New Hamlet
Van Phuoc “Ten thousand Happiness”**

Oceanic tuna fishing was initiated right after the pier constructed in Dan Phuoc commune shore. Ice is also prepared nearby. The fishermen don’t prefer to wait so long for fishing-preparation. Therefore, small size boats with already-made ice are commonly used for tuna fishing.

Phu Yen province has started a new product since 2000, and has greatly contributed to the oceanic tuna yield. Together with neighboring provinces, northern Binh Dinh and southern Khanh Hoa formed a tuna product supply zone in south central coast.



Figure 6.2-15 Van Phuoc Dock and Boats, Ice, Tuna

After the initial achievement of oceanic tuna fishing, the province decided to develop the lobster rearing pools in Xuan Dai bay of North Song Cau district.



Figure 6.2-16 Lobster Breeding Beach in Xuan Phuong Commune, SPL Phu My No.1 and Phu My No.2 Distribution Transformer (Power Source for Sea-Product Area), Lobster Breeding Zone in Xuan Dai Bay

Trung Trinh - Vung La - Tu Nham electrification sub-project for two (2) west-coastal communes, Xuan Phuong and Xuan Thinh of the northern peninsula of Song Cau district, were included in SPL IV allocation project. This was completed within four (4) months, right after the GOV-JBIC agreement.

Chapter 7 Subjects to be Discussed

7.1 Operation

Operation is implemented by EVN, except the rare cases of communes as mentioned in Chapter 5.1.1. There have not been any operational problems under EVN. In a rare case, there are a few communes running on their own, however, this will be transferred to EVN in the near future.

7.2 Maintenance

Followings are the notable problems on SPL Projects;

- The rust on the surface of distribution transformer was observed
- Equipments were destroyed by lightning
- Distribution line was destroyed by such disaster like a typhoon.

The maintenance on all the projects was already transferred to EVN. Therefore, the above mentioned problems can be easily solved.

Accordingly, there are no problems on the periodical maintenance conducted by EVN.

However, there are the following problems.

- Voltage-drop can largely occur at the end of distribution line in SPL Project areas.
- Power-cut due to its weak power generation and the priority for recovery is low in SPL Project areas

EVN should consider solving the above problems (One solution is to install a renewable power resource such as solar at the end of distribution line).

7.3 Management

The management for all of sub-projects has been already transferred to EVN. Therefore, there have not been any problems on the management.

EVN also manages the database of distribution network including SPL Projects and its maintenance.

7.4 Organization

The organization for SPL project is explained in Chapter 5. Operation, maintenance and management are mainly conducted by EVN, thus there have not been any problems.

The organizations under EVN in charge of operation, maintenance, management are shown in Figure 7.4-1. District Electricity (DE) is responsible for operation, maintenance, management of sub-projects.

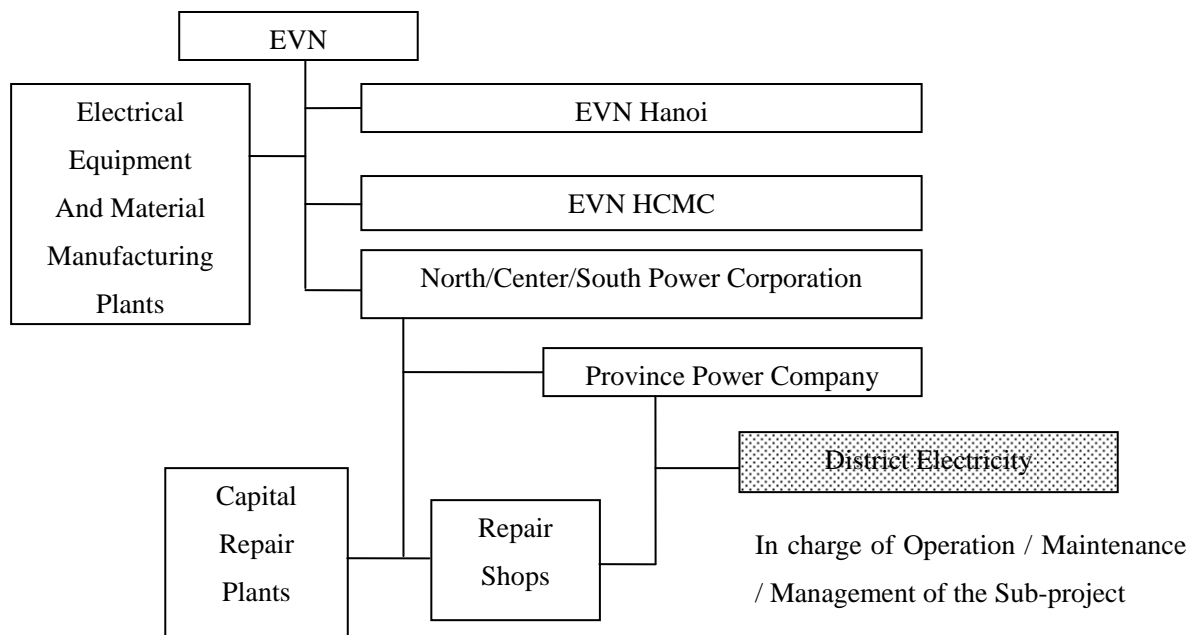


Figure 7.4-1 Overview of EVN Organization for Operation, Maintenance and Management

7.5 Sub-Project Implementation

Even though all of the sub-projects are operating sustainably, there are a few sub-projects with procedural problems.

- One (Binh Duong Commune Electric line / SPL II) out of 11 sub-projects in Quang Nam province has been implemented, but electricity distribution is not yet done.

SPL allocation for this sub-project has been disbursed for power supply mainly to the district hospitals. The sub-project implementation has to be executed simultaneously with the district hospital project. However, the hospital project has not yet been completed. Immediately after the completion of hospital construction, distribution line should be installed.

- SPL disbursement document for one (Phu Cuong Commune Electric line / SPLII) out of nine (9) sub-projects in Quang Ngai province was not be confirmed.

DPI reaffirmed the reception of SPL allocation for this electricity sub-project, but new leader of Phu Cuong commune in Duc Pho district did not know about these official documents of disbursement and hadn't kept them.

Chapter 8 Sustainability of SPL Projects

8.1 Project Planning and Design

Distribution facilities are constructed mainly in outdoor and thus they are confronting with the severe natural conditions; such as typhoons, strong wind, lightning and so on. Up to now, equipments for all the projects were planned, designed and constructed according to the Technical Regulations for Rural Electrification. Therefore, they could stably provide the electricity service to people in rural areas. This has improved life standard of the habitants and helped further development of the industries.

8.2 Facilities Construction

According to the results of the site survey, there were no problems on the facilities construction concerning the improper manner of construction. Nonetheless, problems were found concerning the distribution network after the construction.

High voltage drops in many sub-projects are the problems caused by the size of the conductors of Low Voltage Lines (LVL), which is apparently so small for the load of the project areas and the length of LVLs.

In order to reduce the voltage drop, it would be essential to construct and maintain the data of the facilities, such as the length, the size of each LVLs. The data on each customer's demand is also required to estimate the current flow from the LVLs to each customer. In order to administrate the quality of supplied electricity, the predicting system on the voltage of LV network is indispensable, such by reducing the voltage drops and keeping it in proper ranges.

In addition, mostly structural components of MV and LV facilities, such as conductors / insulators / distribution transformers / arresters / reclosers, circuit breakers / kWh meters, are manufactured inland and has been installed under SPL Projects. The electrical materials and equipments produced in Viet Nam are consistently supplied to installation site with the shortest delivery time and have created strong sustainability for operation, maintenance and managements of facilities under SPL Projects.

8.3 Administrative System of the Constructed Facilities

Regarding electricity distribution sector, after studying the experiences of international specialists participated in SPL Projects, the administrative system of the constructed facilities was established as follows:

In the first stages (SPL-I & portion of II): Most of the MV Facilities in MVL extension new projects were recommended by DOI (now DOIT) and Provincial Electricity (PE). Therefore in this step, MVL was chosen as the first priority, and the Project Owner are professional of electricity sector. The administrative system has its enough ability to fulfill its full function. No complaints were heard regarding its management.

In the following stage (SPL II-III-IV-V), most of Provincial DPI were experienced, the project development process was smoothly implemented. All the small power-cuts were treated promptly and did not harm the quality of the project investment, nationwide.

The above situations exist only in the SPL Project due to the rational procedure of project management and disbursement, decided in JICA-GOV agreements and actually proceeded in Vietnam since SPL II.

During the project development, the considerable international consultant perfectly conducted SPL Project formation, survey, monitoring, follow-up activities and building in the project management capacity within the participatory community. Therefore, the best final results were achieved.

In order to proceed the Request No. 1287/VPCP-KTN of the Government Office dated March 2nd 2009 of Handing-Over all Rural Low Voltage Systems to EVN management in spite of their investment source, recently the Inter-ministerial Circular No.06-2010/TTLT-BCT-BTC dated Feb. 3rd, 2010 signed and issued by MOIT and MOF has compelled to hand over all LV assets to EVN members.

The real cause of this circular issuance is that many of the LV assets were invested by other financial sources (Some International Banks, Collective Co-operative fund, Private Ownership, etc.). Therefore those were in not a good condition, due to insufficient preparation and applied illegal regulation to be implemented for rural electrification items, which conducted into the large power losses nationwide, and possible death dangers in countryside.

8.4 Asset Management System

Operation, maintenance and management for all of SPL project assets have been already implemented by EVN system, except a few, however, those will also be treated in the near future. EVN supervises and administrates all assets of their distribution facilities, including the equipments under SPL Projects, there has not been any troubles.

Asset Survey for Small Scale Pro-Poor Infrastructure in Vietnam

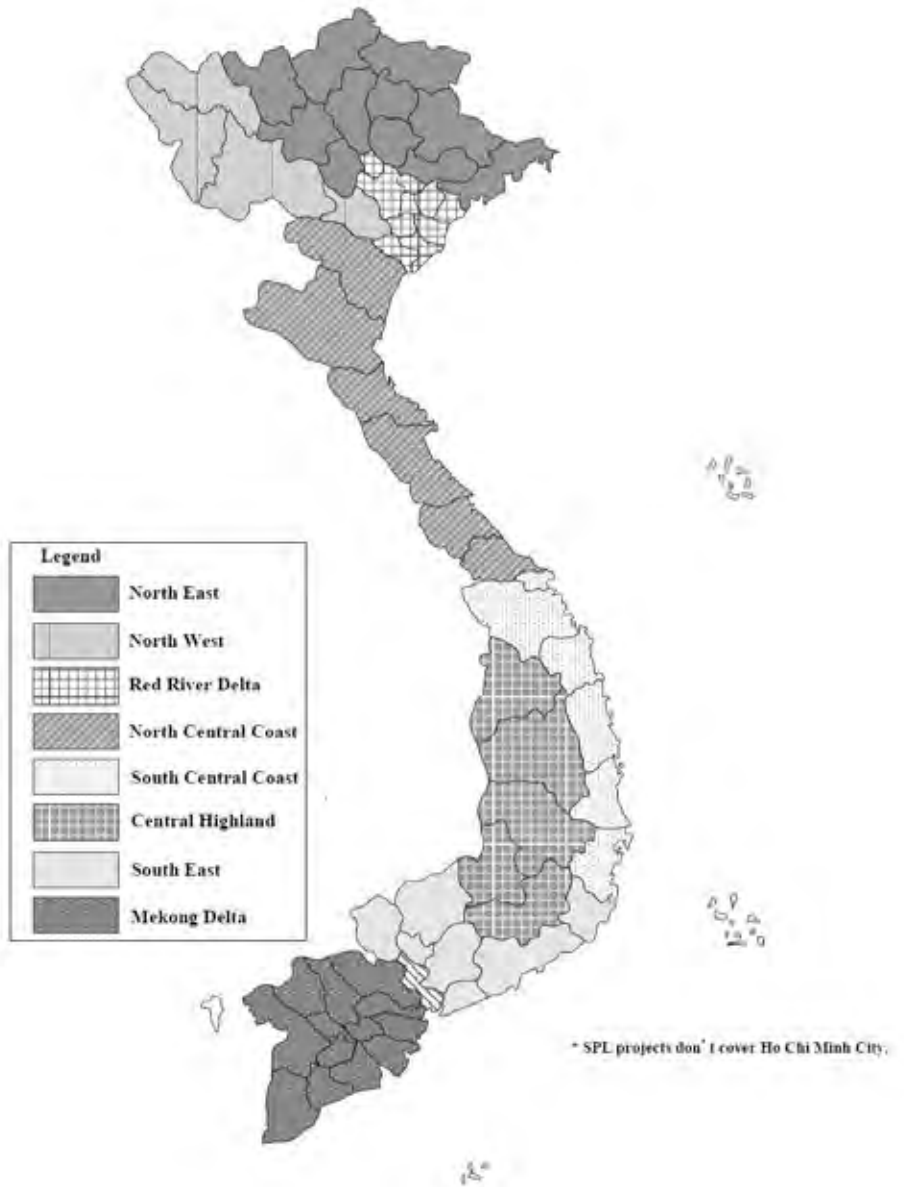
Electricity Distribution Sector Report

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Appendix 1.1 Region and Provinces

Region	Province	
North East	Ha Giang	
	Cao Bang	
	Lao Cai	
	Tuyen Quang	
	Bac Kan	
	Lang Son	
	Yen Bai	
	Thai Nguyen	
	Phu Tho	
	Bac Giang	
	Quang Ninh	
	North West	Lai Chau
		Dien Bien
		Son La
Hoa Binh		
Red River Delta	Vinh Phuc	
	Bac Ninh	
	Ha Noi	
	Hai Duong	
	Hung Yen	
	Hai Phong	
	Thai Binh	
	Ha Nam	
	Nam Dinh	
	Ninh Binh	
North Central Coast	Thanh Hoa	
	Nghe An	
	Ha Tinh	
	Quang Binh	
	Quang Tri	
	Thua-Thien Hue	
South Central Coast	Da Nang	
	Quang Nam	
	Quang Ngai	
	Binh Dinh	
	Phu Yen	
	Khanh Hoa	
Central Highland	Kon Tum	
	Gia Lai	
	Dac Lak	
	Dak Nong	
	Lam Dong	
South East	Ninh Thuan	
	Binh Thuan	
	Binh Phuoc	
	Dong Nai	
	Ba Ria Vung Tau	
	Binh Duong	
	Tay Ninh	
Mekong Delta	Long An	
	Tien Giang	
	Ben Tre	
	Dong Thap	
	Vinh Long	
	Tra Vinh	
	An Giang	
	Can Tho	
	Hau Giang	
	Soc Trang	
	Kien Giang	
	Bac Lieu	
	Ca Mau	



Appendix 1.2 Sub-Project (Infrastructure) List

(1/20)

No. for Infrastructure	Region	Province	District	Sector	Phase	Sub-Project
1	MD	An Giang	NA	Road	SPL I	Provincial Road No.956
2	MD	An Giang	NA	Road	SPL I	Le Hong Phong Street
3	MD	An Giang	NA	Road	SPL II	Provincial Road No.941
4	MD	An Giang	Tri Ton	Road	SPL III	Road 17
5	MD	An Giang	Phu Tan	Electricity	SPL I	Hoa Lac-Phu Hiep Commune Electric
6	MD	An Giang	Phu Tan	Electricity	SPL I	Phu Thanh-Phu Long Electric Network
7	MD	An Giang	An Phu	Electricity	SPL I	Da Phuoc-Phuoc Quan Electric Network
8	MD	An Giang	An Phu	Electricity	SPL I	Khanh Binh-Nga 3 Dinh Electric Network
9	MD	An Giang	An Phu	Electricity	SPL I	Nhon Hoi-Ca Coi Electric Network
10	MD	An Giang	Thoai Son	Electricity	SPL I	Nui Sap Electric Network
11	MD	An Giang	Thoai Son	Electricity	SPL II	Vinh Thang-Vinh Khanh Commune
12	MD	An Giang	Phu Tan	Electricity	SPL II	Binh Thanh Dong-Tay Commune Electric
13	MD	An Giang	An Phu	Electricity	SPL II	15-22KV, Phuoc Hung-Chua Co-Cau 9
14	MD	An Giang	Chau Thanh	Electricity	SPL II	Vinh Loi-Vinh Thuan Electric Network
15	MD	An Giang	Cho Moi	Electricity	SPL II	Long Thuong-Kien An Commune Electric
16	MD	An Giang	Cho Moi	Electricity	SPL II	15-22KV Kien An
17	MD	An Giang	Thoai Son	Electricity	SPL III	Vinh Khanh-Kenh Dao Commune Electric
18	MD	An Giang	Phu Tan	Electricity	SPL III	Kenh K16-Phu Thanh Commune Electric
19	MD	An Giang	An Phu	Electricity	SPL III	Nga 3 Dinh Ca Coi Commune Electric
20	MD	An Giang	Phu Tan	Electricity	SPL III	Phu An-Phu Xuan Commune Electric Line
21	MD	An Giang	Tri Ton	Water Supply	SPL III	Tri Ton WSS
22	SE	Ba Ria Vung Tau	NA	Road	SPL II	Road No.329
23	SE	Ba Ria Vung Tau	Chau Duc	Road	SPL II SPL III	Provincial Road No.765 Road 765
24	SE	Ba Ria Vung Tau	Long Dat	Electricity	SPL III	Long Dat Distric Electric Line
25	SE	Ba Ria Vung Tau	Chau Duc	Electricity	SPL III	Chau Duc Distric Electric Line
26	SE	Ba Ria Vung Tau	Xuyen Moc	Electricity	SPL III	Xuyen Moc Distric Electric Line
27	SE	Ba Ria Vung Tau	Tan Thanh	Electricity	SPL III	Tan Thanh Distric Electric Line
28	NE	Bac Giang	Bac Giang City	Road	SPL I	Urban Road of Bac Giang, 10 Roads
29	NE	Bac Giang	Hiep Hoa	Road	SPL I	Road No.296 (Thang - Vat)
30	NE	Bac Giang	Yen The	Road	SPL I SPL I	Road No.268 (Bo Ha - Mo Tang) Road No.268 (Mo Tang - Bo Ha)
31	NE	Bac Giang	Bac Giang City	Road	SPL II	Bac Giang Town Road, 2 Streets
32	NE	Bac Giang	NA	Road	SPL II	Vat Bridge
33	NE	Bac Giang	NA	Road	SPL II	Provincial Road No.284
34	NE	Bac Giang	Bac Giang City	Road	SPL II	Bac Giang Town Road, 3 Streets
35	NE	Bac Giang	Son Dong	Road	SPL III SPL V	Yen Dinh-Thanh Luan Road Yen Dinh - Thanh Luan Road
36	NE	Bac Giang	Son Dong	Electricity	SPL I	Tuan Dao Commune Electric Commune
37	NE	Bac Giang	Yen The	Electricity	SPL I	Tuan Soi Commune Electric Commune
38	NE	Bac Giang	Hiep Hoa	Electricity	SPL I	Danh Thang Commune Electric Commune
39	NE	Bac Giang	Yen Dung	Electricity	SPL I	Dong Phuc Commune Electric Commune
40	NE	Bac Giang	Luc Ngan	Electricity	SPL I	Phuong Son Commune Electric Commune
41	NE	Bac Giang	Luc Nam	Electricity	SPL I	Kham Lang Commune Electric Commune
42	NE	Bac Giang	Luc Nam	Electricity	SPL I	Dan Hoi Commune Electric Commune
43	NE	Bac Giang	Yen The	Electricity	SPL I	Tam Tien Commune Electric Commune
44	NE	Bac Giang	Yen The	Electricity	SPL I	Canh Nau Commune Electric Commune
45	NE	Bac Giang	Lang Giang	Electricity	SPL I	Quang Thinh Commune Electric Commune
46	NE	Bac Giang	Tan Yen	Electricity	SPL I	Lien Son Commune Electric Commune
47	NE	Bac Giang	Yen Dung	Electricity	SPL I	Neo Town Commune Electric Commune
48	NE	Bac Giang	Hiep Hoa	Electricity	SPL I	Huong Lam Commune Electric Commune
49	NE	Bac Giang	Yen The	Electricity	SPL II	Dong Vuong Commune Electric Line
50	NE	Bac Giang	Luc Ngan	Electricity	SPL II	Tan Moc Commune Electric Line
51	NE	Bac Giang	Son Dong	Electricity	SPL II	An Chau Commune Electric Line
52	NE	Bac Giang	Viet Yen	Electricity	SPL II	Van Ha Commune Electric Line
53	NE	Bac Giang	Luc Nam	Electricity	SPL II	Yen Son Commune Electric Line
54	NE	Bac Giang	Luc Nam	Electricity	SPL III	Truong Son Commune Electric Line
55	NE	Bac Giang	Yen Dung	Electricity	SPL III	Tan Lieu Commune Electric Line
56	NE	Bac Giang	Luc Ngan	Electricity	SPL III	Tam Lap Commune Electric Line
57	NE	Bac Giang	Son Dong	Electricity	SPL III	Que Son Commune Electric Line
58	NE	Bac Giang	Luc Nam	Electricity	SPL V	Truong Son Commune Electric Line
59	NE	Bac Giang	Son Dong	Water Supply	SPL V	An Chau Town WSS

Region: NE-North East Mountainous, NW-North West Mountainous, RRD-Red River Delta

NCC-North Central Coast, SCC-South Central Coast, CH-Central Highland, SE-South East, MD-Mekong Delta

Appendix 1.2 Sub-Project (Infrastructure) List

(2/20)

No. for Infrastructure	Region	Province	District	Sector	Phase	Sub-Project
60	NE	Bac Giang	Luc Ngan	Irrigation	SPL V	Khuon Than Reservoir
61	NE	Bac Kan	Bac Kan Town	Road	SPL I	Urban Road in Bac Kan Town
62	NE	Bac Kan	Na Ri	Road	SPL I	Road No.256 (km19-km38)
					SPL II	Road No.256
63	NE	Bac Kan	NA	Road	SPL I	Pho Moi Road
64	NE	Bac Kan	Ba Be	Road	SPL II	Road No.258, Bach Thong-Ba Be Road
65	NE	Bac Kan	Pac Nam	Road	SPL II	Boc Bo-Cong Bang Roac
					SPL III	Boc Bo-Cong Bang Roac
66	NE	Bac Kan	Na Ri	Road	SPL III	Quang Phong-Dong Xa Road
67	NE	Bac Kan	Pac Nam	Road	SPL III	Ban Khua - Ban Man Road
68	NE	Bac Kan	Bac Kan, Cho Moi	Road	SPL IV	Nong Ha - Thanh Van Road
69	NE	Bac Kan	Ngan Son	Road	SPL IV	Van Tung- Thuan Mang Road
70	NE	Bac Kan	Pac Nam	Road	SPL V	Cong Bang - Co Linh Road
71	NE	Bac Kan	Cho Don	Road	SPL V	Bang Lung - Dai Sao Road
72	NE	Bac Kan	Na Ri	Electricity	SPL I	Kim Lu-Na Ri Commune Electric Line
73	NE	Bac Kan	Cho Don	Electricity	SPL II	6 Communes in Cho Don Town Electric
74	NE	Bac Kan	Cho Don	Electricity	SPL III	Electric Network in Southern of Cho Don
75	NE	Bac Kan	Cho Don	Electricity	SPL III	Phuong Vien-Ra Ban Commune Electric
76	NE	Bac Kan	Pac Nam	Electricity	SPL V	Pac Nam Commune Electric Network
77	NE	Bac Kan	Cho Moi	Water Supply	SPL IV	Yen Han WSS
78	NE	Bac Kan	Pac Nam	Irrigation	SPL IV	Phieng Luong Irrigation System
79	NE	Bac Kan	Cho Don	Irrigation	SPL IV	Cho Don Distric Irrigation System
80	NE	Bac Kan	Cho Moi	Irrigation	SPL V	Cho Moi Irrigation System
81	MD	Bac Lieu	Bac Lieu Town	Road	SPL I	Hiep Thanh - Xiem Can Road
					SPL II	Hiep Thanh - Xiem Can Road
82	MD	Bac Lieu	Vinh Loi	Road	SPL III	National Road No.1A-Chau Thoi Road
83	MD	Bac Lieu	Hong Dan	Road	SPL IV	Xeo Quao - Thong Nhat Road
84	MD	Bac Lieu	Hong Dan	Road	SPL V	Thong Nhat Road No II
85	MD	Bac Lieu	Gia Rai	Electricity	SPL I	Phong Thanh Dong Commune Electric
86	MD	Bac Lieu	Vinh Loi	Electricity	SPL II	Chau Thoi Commune Electric Line
87	MD	Bac Lieu	Vinh Loi	Electricity	SPL III	Vinh Thinh Commune Electric Line
88	MD	Bac Lieu	Bac Lieu Town	Electricity	SPL III	Vinh Trach Commune Electric Line
89	MD	Bac Lieu	Hong Dan	Electricity	SPL III	Vinh Phu Tay Commune Electric Line
90	MD	Bac Lieu	Hong Dan	Electricity	SPL III	Ninh Hoa Commune Electric Line
91	MD	Bac Lieu	Hong Dan	Water Supply	SPL V	Ngan Dua WSS
92	MD	Bac Lieu	Vinh Loi	Irrigation	SPL V	Irrigation in 30/4 Area of Chua Phat
93	RRD	Bac Ninh	Bac Ninh City	Road	SPL I	Urban Road (Bac Ninh Town)
94	RRD	Bac Ninh	Tam Giang	Road	SPL I	Cho - Tam Giang Road
95	RRD	Bac Ninh	Gia Binh	Road	SPL I	Lang Ngan - Van Thai Road
96	RRD	Bac Ninh	Que Vo	Road	SPL I	Road No.291 (Pho Moi)
97	RRD	Bac Ninh	Bac Ninh City	Road	SPL II	Central Road in Bac Ninh Town
98	RRD	Bac Ninh	NA	Road	SPL II	Road No.270, Tien Son
99	RRD	Bac Ninh	NA	Road	SPL II	Road No.286
100	RRD	Bac Ninh	Gia Binh, Luong Tai	Road	SPL II	Bach Mon-Lac Ve Road
					SPL III	Bach Mon-Lac Ve Road
101	RRD	Bac Ninh	Tien Du	Road	SPL III	Provincial Road No.280 (Nui Dong Binh,
102	RRD	Bac Ninh	Yen Phong	Electricity	SPL I	Yen Phong Electric Line
103	RRD	Bac Ninh	Yen Phong	Electricity	SPL I	Phong Khe Electric Line
104	RRD	Bac Ninh	Gia Binh	Electricity	SPL I	Giang Son Electric Line
105	RRD	Bac Ninh	Que Vo	Electricity	SPL II	Pho Moi Electric Network
106	RRD	Bac Ninh	NA	Electricity	SPL II	Van Tuong Commune Electric Commune
107	RRD	Bac Ninh	Luong Tai	Electricity	SPL II	Trung Xa Commune Electric Commune
108	RRD	Bac Ninh	NA	Electricity	SPL II	Vu Ninh Commune Electric Commune
109	RRD	Bac Ninh	Thuan Thanh	Electricity	SPL II	Ho Town Commune Electric Commune
110	RRD	Bac Ninh	Luong Tai	Water Supply	SPL III	Luong Tai WSS
111	MD	Ben Tre	NA	Road	SPL I	Provincial Road No.884
					SPL I	Provincial Road No.884
					SPL II	Provincial Road No.884
112	MD	Ben Tre	Ba Tri	Road	SPL III	Provincial Road No.885
113	MD	Ben Tre	Binh Dai	Road	SPL IV	Provincial Road No.883
114	MD	Ben Tre	Thanh Phu	Electricity	SPL I	An Diem Electric Network
115	MD	Ben Tre	NA	Electricity	SPL II	Con Linh Commune Electric Network

Region: NE-North East Mountainous, NW-North West Mountainous, RRD-Red River Delta

NCC-North Central Coast, SCC-South Central Coast, CH-Central Highland, SE-South East, MD-Mekong Delta

Appendix 1.2 Sub-Project (Infrastructure) List

(3/20)

No. for Infrastructure	Region	Province	District	Sector	Phase	Sub-Project					
116	MD	Ben Tre	Cho Lach	Electricity	SPL III	Phu Da Commune Electric Line					
117	MD	Ben Tre	Chau Thanh	Electricity	SPL III	Con Tien Loi Commune Electric Line					
118	MD	Ben Tre	Binh Dai	Electricity	SPL III	Long Hoa Commune Electric Line					
119	SCC	Binh Dinh	Binh Dinh City	Road	SPL I	Urban Road (Tang Bat Ho Road)					
120	SCC	Binh Dinh	Binh Dinh City	Road	SPL I	Urban Road (Ngo Gia Tu Road, Binh Dinh)					
121	SCC	Binh Dinh	Binh Dinh City	Road	SPL I	Nguyen Hue A Road					
122	SCC	Binh Dinh	NA	Road	SPL II	Quy Nhon - Song Cau Road					
123	SCC	Binh Dinh	NA	Road	SPL II	Kien My Bridge					
124	SCC	Binh Dinh	Phu My	Road	SPL V	Van An - Phu Thu Road					
125	SCC	Binh Dinh	Van Canh	Electricity	SPL I	Canh Nghiep-Canh Hoa-Canh Thuan					
126	SCC	Binh Dinh	Tay Son	Electricity	SPL I	Vinh An Commune Electric					
127	SCC	Binh Dinh	Phu Cat	Electricity	SPL I	Cat Lam-Cat Nghiep Electric					
128	SCC	Binh Dinh	Phu Cat	Electricity	SPL II	Cat Thanh Commune Electric Line					
129	SCC	Binh Dinh	Hoai An	Electricity	SPL II	An Hao Commune Electric Line					
130	SCC	Binh Dinh	Hoai Nhon	Electricity	SPL II	Hoai Hai Commune Electric Line					
131	SCC	Binh Dinh	Phu Cat	Electricity	SPL III	Cat Hai Commune Electric Line					
132	SCC	Binh Dinh	Tay Son	Electricity	SPL III	Binh Thuan Commune Electric Line					
133	SCC	Binh Dinh	Phu My	Electricity	SPL III	My Tai Commune Electric Line					
134	SCC	Binh Dinh	Tay Son	Electricity	SPL III	Tay Phu Commune Electric Line					
135	SCC	Binh Dinh	Vân Canh	Electricity	SPL V	Medium and low voltage electrical line in					
136	SCC	Binh Dinh	Tay Son	Water Supply	SPL V	Phu Phong Town WSS					
137	SCC	Binh Dinh	An Nhon	Irrigation	SPL III	Tan An-Dap Da Irrigation System					
138	SCC	Binh Dinh	Phu Cat	Irrigation	SPL V	Upgrade Tam Son Reservoir					
139	SCC	Binh Dinh	Phu My	Irrigation	SPL V	Suoi So Reservoir					
140	SCC	Binh Dinh	Phu My	Irrigation	SPL V	Chi Hoa 2 Reservoir					
141	SE	Binh Duong	Tan Uyen	Road	SPL II	Provincial Road 742, Phu Chanh - Cong					
142	SE	Binh Duong	Dau Tieng	Electricity	SPL II	Thanh An-Dinh Hiep Electric Network					
143	SE	Binh Duong	Tan Uyen	Electricity	SPL II	Tan Phuoc Khanh Town Electric Line					
144	SE	Binh Duong	Dau Tieng	Electricity	SPL III	Long Tan Commune Electric Line					
145	SE	Binh Duong	Dah Hoai	Electricity	SPL III	Da Ton Commune Electric Line					
146	SE	Binh Phuoc	NA	Road	SPL I	Road No.741					
					SPL II	Road No.741, Dong Xoai - Thuan Loi					
147	SE	Binh Phuoc	Phuoc Long	Road	SPL II	Town Road Phuoc Long District (Thac Mo					
					148	SE	Binh Phuoc	Phuoc Long	Road	SPL II	Song Be Bridge on PR 749 Road
										NA	SPL III
Phuoc Long	SPL III	Song Be Bridge on PR 749 Road									
149	SE	Binh Phuoc	Dong Phu, Binh Long	Road	SPL V	Dong Phu - Binh Long Road					
150	SE	Binh Phuoc	Phuoc Long	Electricity	SPL I	Dinh Thang Electric					
151	SE	Binh Phuoc	Phuoc Long	Electricity	SPL II	Binh Thang Commune Electric Line					
152	SE	Binh Phuoc	Loc Ninh	Electricity	SPL II	Loc Tan-Thanh Luong Commune Electric					
153	SE	Binh Phuoc	Du Dang	Electricity	SPL III	Duc Lieu Commune Electric Line (stage 1)					
154	SE	Binh Phuoc	Binh Long	Electricity	SPL III	Phuoc An Commune Electric Line (Stage1)					
155	SE	Binh Phuoc	Binh Long	Electricity	SPL III	Thanh Luong Commune Electric Line					
156	SE	Binh Phuoc	Phuoc Long	Electricity	SPL V	Long Hung Commune Electric Line					
157	SE	Binh Thuan	Tanh Linh	Road	SPL I	Ba Ta - Gia Huynh Road					
158	SE	Binh Thuan	Ham Thuan Bac	Road	SPL I	An Lam - Dong Giang - La Da Road					
					SPL I	Lien Son - Phan Dung Road					
					SPL III	Phong Phu-Phan Dung Road					
159	SE	Binh Thuan	Tuy Phong	Road	SPL III	Lien Huong-Phan Dung Road					
					SPL III	Phong Phu-Phan Dung Road					
					SPL III	Lien Huong-Phan Dung Road					
160	SE	Binh Thuan	Tanh Linh, Duc Linh	Road	SPL II	Lac Tanh - Vo Xu Road					
161	SE	Binh Thuan	Phan Thiet	Road	SPL II	Phan Thiet - Ke Ga Road					
162	SE	Binh Thuan	Phan Thiet	Electricity	SPL I	Long Son-Suoi Nuoc Electric Network					
163	SE	Binh Thuan	Ham Tan	Electricity	SPL I	46-Song Han Electric Network					
164	SE	Binh Thuan	NA	Electricity	SPL I	Km32-Ta Mon Electric Network					
165	SE	Binh Thuan	NA	Electricity	SPL I	Thon 1-Co Khe-Trade Center Electric					
166	SE	Binh Thuan	Phan Thiet	Electricity	SPL II	Long Son-Suoi Nuoc Electric Network					
167	SE	Binh Thuan	Ham Tan	Electricity	SPL II	Nga Ba 46-Song Phan Electric Line					
168	SE	Binh Thuan	NA	Electricity	SPL II	Tra Mon Km32 Electric Line					
169	SE	Binh Thuan	NA	Electricity	SPL II	Koke-KTM Electric Line					
170	SE	Binh Thuan	Phan Thiet	Electricity	SPL II	Ham Tien-Bau Me Commune Electric Line					
171	SE	Binh Thuan	NA	Electricity	SPL II	Bau Me-Bau Tang Commune Electric Line					
172	SE	Binh Thuan	Ham Tan	Electricity	SPL II	Tan Thang Commune Electric Line					

Region: NE-North East Mountainous, NW-North West Mountainous, RRD-Red River Delta

NCC-North Central Coast, SCC-South Central Coast, CH-Central Highland, SE-South East, MD-Mekong Delta

Appendix 1.2 Sub-Project (Infrastructure) List

(4/20)

No. for Infrastructure	Region	Province	District	Sector	Phase	Sub-Project
173	SE	Binh Thuan	Ham Tan	Electricity	SPL III	Can Cu 6-Ham Tan Electric Line 22KV
174	SE	Binh Thuan	Phan Thiet	Electricity	SPL III	Long Sim-Suoi Nuoc Electric Line 22KV
175	SE	Binh Thuan	Ham Tan	Electricity	SPL III	Tan Thang KTM Commune Electric Line
176	SE	Binh Thuan	Ham Thuan Bac	Electricity	SPL III	Ham Duc-Duong Tieu Electric Line 22KV
177	MD	Ca Mau	Ca Mau City	Road	SPL I	Urban Road (Phuong Tam)
178	MD	Ca Mau	Ca Mau City	Road	SPL I	Phan Boi Chau Road
179	MD	Ca Mau	Ca Mau City, Tac Thu	Road	SPL II	Ngo Quyen Road (Ca Mau - Tac Thu)
180	MD	Ca Mau	Tran Van Thoi	Road	SPL III	Tac Thu-Rach Rang Road
					SPL III	Nong Truong Bridge (Tac Thu - Rach Rang
					SPL V	Bridges & culvert on Tac Thu - Rach Rang
181	MD	Ca Mau	Cai Nuoc	Electricity	SPL I	Cai Nuoc-Dam Thi Tuong Electric
182	MD	Ca Mau	U Minh, Khanh Hoi	Electricity	SPL II	Khanh Lam Commune Electric Line
183	MD	Ca Mau	Dam Doi	Electricity	SPL III	Tan Thuan Commune Electric Line
184	MD	Ca Mau	Phu Tan	Electricity	SPL III	Phu My Commune Electric Line
185	MD	Ca Mau	Nam Can	Electricity	SPL III	Dat Moi Commune Electric Line
186	MD	Ca Mau	Thoi Binh, Ung Minh,	Electricity	SPL V	Electric Network in Ca Mau Forest and
187	MD	Ca Mau	Tram Van Thoi	Water Supply	SPL V	Song Doc WSS (South)
188	MD	Ca Mau	Tram Van Thoi	Water Supply	SPL V	Song Doc WSS (North)
189	MD	Ca Mau	Phu Tan	Water Supply	SPL V	Cai Doi Vam Town WSS (South)
190	MD	Ca Mau	Phu Tan	Water Supply	SPL V	Cai Doi Vam Town WSS (North)
191	MD	Ca Mau	U Minh	Irrigation	SPL V	Lung Ranh Irrigation System
192	MD	Can Tho	Can Tho	Road	SPL I	Mau Than Road Upgrading
193	MD	Can Tho	Can Tho	Road	SPL I	Thirty April Road(Hoa Binh-Dau Sau)
					SPL II	Thirty April Road(Cau Tham Tuong-
194	MD	Can Tho	Can Tho	Road	SPL I	Urban Road of Can Tho city(15,000m2)
195	NE	Cao Bang	Ha Quang	Road	SPL I	Road No.203
196	NE	Cao Bang	Thong Nong	Road	SPL II	Road No.204
			Hoa An		SPL II	Mo Sat Bridge (Road No.204)
197	NE	Cao Bang	Ha Lang	Road	SPL II	Road No.207
			Quang Uyen-Ha Lang		SPL III	Road 207 (Quang Yen-Ha Lang)
			Ha Lang		SPL IV	Provincial Road No.207 (Ha Lang-Bang
198	NE	Cao Bang	Bao Lac	Road	SPL III	Ban Nga - Xuan Truong Commune Road
199	NE	Cao Bang	Trung Khanh	Road	SPL IV	Provincial Road No.213 (Trung Khanh - Po
200	NE	Cao Bang	Trung Khanh	Road	SPL IV	Trung Khanh - Kham Thanh - Phong Nam
201	NE	Cao Bang	Nguyen Binh	Road	SPL V	Hoa Tham - National Road No. 3
202	NE	Cao Bang	Thach An	Road	SPL V	Kim Dong - Duc Thong Road
203	NE	Cao Bang	Hoa An	Electricity	SPL I	Be Trieu Electric Network
204	NE	Cao Bang	Hoa An	Electricity	SPL II	Be Trieu Electric Network
205	NE	Cao Bang	Tra Linh	Electricity	SPL II	Hung Quocs Electric Network
206	NE	Cao Bang	Quang Hoa	Electricity	SPL III	Ta Lung Electric Network
207	NE	Cao Bang	Trung Khanh	Electricity	SPL III	Dam Thuy Electric Network
208	NE	Cao Bang	Trung Khanh	Electricity	SPL IV	Kham Thanh Commune Electric Line
209	NE	Cao Bang	Quang Hoa	Electricity	SPL IV	Phuc Xen Commune Electric Line
210	NE	Cao Bang	Thach An	Electricity	SPL IV	Quang Trong-Canh Tan Commune Electric
211	NE	Cao Bang	Nguyen Binh	Electricity	SPL IV	Minh Tam Commune Electric Line
212	NE	Cao Bang	Hoa An	Electricity	SPL IV	Hong Viet Commune Electric Line
213	NE	Cao Bang	Hoa An	Electricity	SPL IV	Hung Dao Commune Electric Line
214	NE	Cao Bang	Hoa An	Electricity	SPL IV	Nguyen Hue Commune Electric Line
215	NE	Cao Bang	Phuc Hoa	Electricity	SPL V	Cat Dinh-Hong Dai Communes Electricity
216	NE	Cao Bang	Thong Nong	Irrigation	SPL V	Luong Thong Irrigation System
217	SCC	Da Nang	Da Nang City	Road	SPL I	Tieu La Road
218	SCC	Da Nang	Da Nang City	Road	SPL II	Tran Cao Van Road
219	SCC	Da Nang	Hoa Vang	Electricity	SPL I	Hoa Phong Commune Electric
220	SCC	Da Nang	Hoa Vang	Electricity	SPL II	Hoa Phu Commune Electric Line
221	SCC	Da Nang	Hoa Vang	Electricity	SPL II	Hoa Phong Commune Electric
222	SCC	Da Nang	Hoa Vang	Electricity	SPL III	Hoa Phat Commune Electric Line
223	SCC	Da Nang	Hoa Son	Electricity	SPL III	Electric Network and Transformer in Hoa
224	SCC	Da Nang	Hoa Son	Electricity	SPL III	Electric Network and Transformer in Hoa
225	SCC	Da Nang	Hoa Vang	Electricity	SPL III	Hoa Phong Commune Electric
226	CH	Dac Lak	NA	Road	SPL I	Road No.9
					SPL III	Province Road 9
227	CH	Dac Lak	Krong Pak	Road	SPL II	Phuoc An - Khue Ngoc Dien Road

Region: NE-North East Mountainous, NW-North West Mountainous, RRD-Red River Delta

NCC-North Central Coast, SCC-South Central Coast, CH-Central Highland, SE-South East, MD-Mekong Delta

Appendix 1.2 Sub-Project (Infrastructure) List

(5/20)

No. for Infrastructure	Region	Province	District	Sector	Phase	Sub-Project
228	CH	Dac Lak	Ea Sup	Road	SPL II	Urban Road Ea Soup Town
229	CH	Dac Lak	Buon Don	Road	SPL II	Central Road Buon Don District
230	CH	Dac Lak	Eah Leo	Road	SPL III	Ea Khal - Ea Nam - Ea Wy Road
231	CH	Dac Lak	Krong Nang	Road	SPL IV	Krong Nang District to Phu Xuan
232	CH	Dac Lak	M'Drak	Road	SPL IV	Road D22
233	CH	Dac Lak	Ea H'leo	Road	SPL V	Ea Wy - Cu Mot - Ea Khal Road
234	CH	Dac Lak	Ea H'leo	Road	SPL V	Dlieyang - Eahiao Inter-commune Road
235	CH	Dac Lak	Krong Buk	Electricity	SPL I	Ea-Drong Electric Network
236	CH	Dac Lak	NA	Electricity	SPL I	Dak-Rong Electric Network
237	CH	Dac Lak	Eah Leo	Electricity	SPL II	Eam Nang Commune Electric Line
238	CH	Dac Lak	Krong Bong	Electricity	SPL II	Hoa Le Commune Electric Line
239	CH	Dac Lak	Buon Don	Electricity	SPL II	Krong Na Commune Electric Line
240	CH	Dac Lak	Krong Nang	Electricity	SPL II	Phu Xuan Commune Electric Line
241	CH	Dac Lak	Krong Bong	Electricity	SPL III	Hoa Thanh Commune Electric Line
242	CH	Dac Lak	M'Drak	Electricity	SPL IV	Ia Rieng Commune Electric Line
243	CH	Dac Lak	Cu M'Gar	Electricity	SPL V	Electric Line in Highland Village Win Ea
244	CH	Dac Lak	Krong Buk	Water Supply	SPL I	Buon Ho Water Supply System
245	CH	Dac Lak	Cu M'Gar	Water Supply	SPL IV	Quang Phu WSS
246	CH	Dac Lak	Lak	Irrigation	SPL III	Buon Chua Irrigation System
247	CH	Dac Lak	Lak	Irrigation	SPL III	Nam Kar Dam
248	CH	Dac Lak	Krong Pak	Irrigation	SPL III	Ea Yeng Reservoir
249	CH	Dac Lak	Krong Ana	Irrigation	SPL IV	Ea Bin Irrigation System
250	CH	Dac Lak	NA	Irrigation	SPL V	Ho Ke Reservoir
251	CH	Dak Nong	Dak Nong Town	Road	SPL III	Gia Nghia - Quang Thanh Road
252	CH	Dak Nong	Dak Song	Road	SPL IV	Road No 6
253	CH	Dak Nong	Dak Nong	Road	SPL V	Quang Khe - Dak Rmang Road
254	CH	Dak Nong	Dak Mil	Road	SPL V	Dak Mam - 7 station (PR No.3)
255	CH	Dak Nong	Buon Don	Electricity	SPL I	Buon Don Electric Network
256	CH	Dak Nong	Dak Mil	Electricity	SPL II	Dak Gan Commune Electric Line
257	CH	Dak Nong	Dak Nong	Electricity	SPL III	Truong Xuan Commune Electric Line
258	CH	Dak Nong	Dak Rlap	Electricity	SPL III	Nhon Co Commune Electric Line
259	CH	Dak Nong	Dak Nong	Irrigation	SPL III	Dak Mam Reservoir
260	CH	Dak Nong	Krong No	Irrigation	SPL V	Electric Pumping Station in Choah Village
261	NW	Dien Bien	Dien Bien	Road	SPL I	Road in East of Dien Bien
					SPL II	East Road of Dien Bien District
					SPL III	East Dien Bien Road
262	NW	Dien Bien	Dien Bien	Road	SPL II	West Road of Nam Rom River
					SPL III	Road in West of Nam Ron River
263	NW	Dien Bien	Dien Bien Dong	Road	SPL III	Na Son - Xa Dung Road
264	NW	Dien Bien	Dien Bien Dong	Road	SPL IV	Pu Nhi - Na Son Road
265	NW	Dien Bien	Tuan Giao	Road	SPL IV	Na Say - Muong Mun Road
					SPL IV	Na Say - Muong Thin - Muong Mun Road
266	NW	Dien Bien	Dien Bien Dong	Road	SPL IV	Phi Nhu - Xa Dung Road
267	NW	Dien Bien	Dien Bien Dong	Road	SPL V	Phi Nhu - Chieng So Road
268	NW	Dien Bien	Dien Bien	Electricity	SPL I	Dien Bien Electric Network
269	NW	Dien Bien	Tuan Giao	Water Supply	SPL III	Tuan Giao Water Supply System
270	NW	Dien Bien	Tua Chua	Water Supply	SPL IV	Tua Chua WSS
271	NW	Dien Bien	Muong Cha	Water Supply	SPL V	Muong Cha WSS
272	NW	Dien Bien	Dien Bien	Irrigation	SPL V	Huoi Un Irrigation System
273	SE	Dong Nai	NA	Road	SPL II	Intercommune Road No.16
274	SE	Dong Nai	Dinh Quan	Road	SPL III	Traffic System NR20-Dong Nai River, Phu
275	MD	Dong Thap	NA	Road	SPL I	PR No.847(Thet - My An - Bang Lang Rd.)
276	MD	Dong Thap	Tam Nonh, Thanh Binh	Road	SPL II	Tam Nong - Thanh Binh Road
277	MD	Dong Thap	Lai Vung	Road	SPL III	Road No.851
					SPL V	Provincial Road No. 851 (Km2 -
278	MD	Dong Thap	Binh Thanh	Electricity	SPL I	Binh Thanh Electric
279	MD	Dong Thap	Thap Muoi	Electricity	SPL I	Thanh My Electric Network
280	MD	Dong Thap	Lai Vung	Electricity	SPL II	Long Thang Commune Electric Line
281	MD	Dong Thap	Hong Ngu	Electricity	SPL II	Thuong Thoi Tuyen Commune Electric
282	MD	Dong Thap	Tam Nong	Electricity	SPL III	Phu Ninh Commune Electric Line
283	MD	Dong Thap	Lap Vo	Electricity	SPL III	Long Hung A Commune Electric Line
284	MD	Dong Thap	Tan Hong	Electricity	SPL III	Tan Thanh Commune Electric Line

Region: NE-North East Mountainous, NW-North West Mountainous, RRD-Red River Delta

NCC-North Central Coast, SCC-South Central Coast, CH-Central Highland, SE-South East, MD-Mekong Delta

Appendix 1.2 Sub-Project (Infrastructure) List

(6/20)

No. for Infrastructure	Region	Province	District	Sector	Phase	Sub-Project
285	MD	Dong Thap	Chau Thanh	Electricity	SPL V	Electric Network in Tan Thuan Dong, Tan
286	MD	Dong Thap	Tam Nong	Water Supply	SPL V	An Long WSS
287	MD	Dong Thap	Tam Nong	Irrigation	SPL V	Upgrade Tam Nong Irrigation System
288	CH	Gia Lai	Gia Lai Town	Road	SPL I	Nguyen Trai - Nguyen Thai Hoc Road
289	CH	Gia Lai	An Khe, K bang	Road	SPL I	Provincial Road No.669
					SPL II	Provincial Road No.669(An Khe - K.Bang)
290	CH	Gia Lai	Ayunpa	Road	SPL III	Ben Mong Bridge
291	CH	Gia Lai	Phu Thien/ Ia Pa	Road	SPL V	Chu A Thai - Ia - Ieng - Ia Pa Road
292	CH	Gia Lai	Dak Doa	Road	SPL V	Nam Yang - kon Gang Road
293	CH	Gia Lai	Chu Prong	Road	SPL V	Province Road 675(Km0-Km20)
294	CH	Gia Lai	Ia Pa	Road	SPL V	Inter-commune Road of Eastern of Ben
295	CH	Gia Lai	Duc Co	Electricity	SPL I	Ia-Doom Electric
296	CH	Gia Lai	Chu Se	Electricity	SPL I	Ia Blang Electric
297	CH	Gia Lai	Chu Prong	Electricity	SPL I	Ia Bang Electric
298	CH	Gia Lai	Chu Pah	Electricity	SPL II	Ia Phi Commune Electric Line
299	CH	Gia Lai	Chu Se	Electricity	SPL II	Ia Hop (Chu Se) Commune Electric Line
300	CH	Gia Lai	K Bang	Electricity	SPL II	Dakhlo (Kbang) Commune Electric Line
301	CH	Gia Lai	A Yun Pa	Electricity	SPL II	Chu Drang (Ayunpa) Commune Electric
302	CH	Gia Lai	Krongpa	Electricity	SPL III	Ea-Dreh Commune Electric Line
303	CH	Gia Lai	Duc Co	Electricity	SPL III	Eadok Commune Electric Line
304	CH	Gia Lai	Chu Prong	Electricity	SPL III	Ia Lau Commune Electric Line
305	CH	Gia Lai	Chu Prong	Electricity	SPL V	La Me Commune Electric Network
306	CH	Gia Lai	Chu Pah	Water Supply	SPL I	Chu Pah Water Supply System
307	CH	Gia Lai	Ia Grai	Water Supply	SPL V	Ia Kha Town WSS
308	CH	Gia Lai	Krongpa	Irrigation	SPL III	Cau hai Pump Station
309	CH	Gia Lai	Krongpa	Irrigation	SPL III	EaRsai Irrigation
310	CH	Gia Lai	Dak Doa	Irrigation	SPL V	Dak So Mei Irrigation
311	NE	Ha Giang	Ha Giang Town	Road	SPL I	Nguyen Thai Hoc Road
					SPL II	Nguyen Thai Hoc Road
312	NE	Ha Giang	Yen Minh-Meo Vac	Road	SPL I	Yen Minh - Mau Due - Meo Vac Road
					SPL II	Yen Minh - Mau Due - Meo Vac Road
313	NE	Ha Giang	Ha Giang Town	Road	SPL I	Ha Giang Town - Phu Linh Road
314	NE	Ha Giang	Ha Giang Town	Road	SPL II	Tran Phu Road
315	NE	Ha Giang	Bac Quang-Quang Binh	Road	SPL III	Vinh Tuy-Xuang Giang Road
316	NE	Ha Giang	Vi Xuyen-Bac Quang	Road	SPL IV	Bach Ngoc - Trung Thanh Triway - Dong
			Vi Xuyen		SPL IV	Km 27 (NR 2) to Trung Thanh Bach Ngoc
317	NE	Ha Giang	Vi Xuyen	Road	SPL V	Road from Km21 bridge to crossing Bach
318	NE	Ha Giang	Vi Xuyen-Bac Quang	Road	SPL V	Upgrade and Pavement road from Trung
319	NE	Ha Giang	Dong Van-Meo Vac	Electricity	SPL II	Dong Van-Meo Vac Electric Line
320	NE	Ha Giang	Dong Van	Electricity	SPL II	Ma So-Lung Tao Commune Electric Line
321	NE	Ha Giang	Ha Giang Town	Electricity	SPL III	Ligh System of Ha Giang Town
322	NE	Ha Giang	Hoang Su Phi	Electricity	SPL III	Thang Tin Commune Electric Line
323	NE	Ha Giang	Hoang Su Phi	Electricity	SPL V	Then Chu Phin commune Electric Line
324	NE	Ha Giang	Bac Quang	Water Supply	SPL I	Bac Quang Water Supply
325	NE	Ha Giang	Vi Xuyen	Water Supply	SPL IV	Vi Xuyen Water Supply System
326	NE	Ha Giang	Hoang Su Phi	Water Supply	SPL V	Vinh Quang Town Water Supply System
327	NE	Ha Giang	Vi Xuyen	Irrigation	SPL V	Khuoi Lam-Khuoi Lac Irrigation System:
328	RRD	Ha Nam	NA	Road	SPL I	Road No.63A
329	RRD	Ha Nam	NA	Road	SPL I	Road No.64
					SPL II	Road No.64
330	RRD	Ha Nam	NA	Road	SPL I	Road No.57A(485 Road)
331	RRD	Ha Nam	NA	Road	SPL I	Road No.62
332	RRD	Ha Nam	NA	Road	SPL II	Chau Giang Bridge
333	RRD	Ha Nam	Thanh Liem	Road	SPL II	Road No.484, Thanh Liem
334	RRD	Ha Nam	NA	Road	SPL II	Road No.63B
					SPL III	Road No.63B
335	RRD	Ha Nam	Thanh Liem	Road	SPL II	Provincial Road No.9715
					SPL III	Road No.9715
336	RRD	Ha Nam	Binh Luc	Road	SPL III	Road No.63C
337	RRD	Ha Nam	NA	Electricity	SPL I	Vinh Tru Commune Electric Line
338	RRD	Ha Nam	Duy Tien	Electricity	SPL I	Hoa Mac Commune Electric Line
339	RRD	Ha Nam	Vu Ban,	Electricity	SPL I	Vu Ban Commune Electric Line

Region: NE-North East Mountainous, NW-North West Mountainous, RRD-Red River Delta

NCC-North Central Coast, SCC-South Central Coast, CH-Central Highland, SE-South East, MD-Mekong Delta

Appendix 1.2 Sub-Project (Infrastructure) List

(7/20)

No. for Infrastructure	Region	Province	District	Sector	Phase	Sub-Project
340	RRD	Ha Nam	Thanh Liem	Electricity	SPL I	Kien Khe Commune Electric Line
341	RRD	Ha Nam	Binh Luc	Electricity	SPL I	Binh My Commune Electric Line
342	RRD	Ha Nam	Kim Bang	Electricity	SPL I	Nhat Tan Commune Electric Line
343	RRD	Ha Nam	Ly Nhan	Electricity	SPL II	Duc Ly Commune Electric
344	RRD	Ha Nam	Duy Tien	Electricity	SPL II	Chau Son Commune Electric
345	RRD	Ha Nam	Binh Luc	Electricity	SPL II	Hung Cong Commune Electric
346	RRD	Ha Nam	Ly Nhan	Electricity	SPL II	Dong Ly Commune Electric
347	RRD	Ha Nam	Kim Bang	Electricity	SPL II	Thuy Loi Commune Electric
348	RRD	Ha Noi (Ha Tay)	NA	Road	SPL I	Road No.89A (Da Chong - Che)
					SPL II	Road No.89A
349	RRD	Ha Noi (Ha Tay)	Phuc Tho	Road	SPL I	Cam Binh - Sen Chieu Road
350	RRD	Ha Noi (Ha Tay)	Quoc Oai	Road	SPL I	Quoc Oai - Hoa Thach Road
					SPL II	Quoc Oai - Hoa Thach Road
351	RRD	Ha Noi (Ha Tay)	Phuc Tho	Road	SPL I	Tho Loc Road
352	RRD	Ha Noi (Ha Tay)	NA	Road	SPL II	Road No.430
353	RRD	Ha Noi (Ha Tay)	Dan Phuong	Road	SPL II	Tho An - Dan Phuong Road
354	RRD	Ha Noi (Ha Tay)	Dan Phuong	Road	SPL II	Provincial Road No.79
					SPL III	Provincial Road No.79
355	RRD	Ha Noi (Ha Tay)	Thanh Oai	Road	SPL III	Dan Hoa-Thanh Van Road
356	RRD	Ha Noi (Ha Tay)	Quoc Oai	Electricity	SPL I	Phu Man Commune Electric Line
357	RRD	Ha Noi (Ha Tay)	Son Tay Township	Electricity	SPL I	Duong Lam Commune Electric Line
358	RRD	Ha Noi (Ha Tay)	Than Uyen	Electricity	SPL I	Van Hoa Commune Electric Line
359	RRD	Ha Noi (Ha Tay)	Chuong My	Electricity	SPL I	Nam Phuong Tien Commune Electric Line
360	RRD	Ha Noi (Ha Tay)	Ba Vi	Electricity	SPL II	Ba Vi Commune Electric Line
361	RRD	Ha Noi (Ha Tay)	Chuong My	Electricity	SPL II	Nam Phuong Tien Commune Electric Line
362	RRD	Ha Noi (Ha Tay)	Thach That	Electricity	SPL II	Lien Quan Town Electric Line
363	RRD	Ha Noi (Ha Tay)	Thuong Tin	Electricity	SPL II	Hien Giang Electric Line
364	RRD	Ha Noi (Ha Tay)	Phu Xuyen	Water Supply	SPL III	Phu Xuyen WSS
365	NCC	Ha Tinh	NA	Road	SPL I	Provincial Road No.3
366	NCC	Ha Tinh	NA	Road	SPL I	Xuan Hai - Xuan Hoi Road
367	NCC	Ha Tinh	Thach Ha	Road	SPL I	Provincial Road No.7
					SPL II	Provincial Road No.7
368	NCC	Ha Tinh	Huong Son	Road	SPL I	Nam - Son Tien Road
					SPL I	Nam - Son Tien Road
					SPL II	Nam - Son Tien Road
369	NCC	Ha Tinh	Ha Tinh Town	Road	SPL I	Urban Road 26/3 - Ha Tinh Town
370	NCC	Ha Tinh	Thach Ha	Road	SPL II	Thach Mon - Thach Dinh Road
371	NCC	Ha Tinh	Huong Son	Road	SPL III	Son Binh - Son Thuy - Son Mai Road
372	NCC	Ha Tinh	Cam Xuyen	Road	SPL IV	Cam Thach - Cam Thanh - Cam Binh -
373	NCC	Ha Tinh	Ky Anh	Road	SPL IV	Lam - Son-Thuong Road
374	NCC	Ha Tinh	Huong Khe	Road	SPL IV	Provincial Road No.18
375	NCC	Ha Tinh	Duc Tho	Road	SPL IV	Road No. 28
376	NCC	Ha Tinh	Huong Son	Road	SPL V	Son Phu - Son Phuc - Son An - Son Tien
377	NCC	Ha Tinh	Hong Linh	Road	SPL V	Road, bridge for Trung Luong cottage
378	NCC	Ha Tinh	Huong Son	Road	SPL V	Son Tra - Son Long Road
379	NCC	Ha Tinh	Huong Khe	Electricity	SPL I	Huong Khe Distric Electric Network
380	NCC	Ha Tinh	Huong Son	Electricity	SPL I	Huong Son Distric Electric Network
381	NCC	Ha Tinh	Thach Ha	Electricity	SPL I	Thach Ha Distric Electric Network
382	NCC	Ha Tinh	Thach Ha	Electricity	SPL I	Dai Nai-Ha Tinh Town Electric
383	NCC	Ha Tinh	Hong Linh	Electricity	SPL I	Hong Linh Electric
384	NCC	Ha Tinh	Ky Anh	Electricity	SPL I	Ky Tan-Ky Ha Electric
385	NCC	Ha Tinh	Duc Tho	Electricity	SPL I	Duc Tho Distric Electric Network
386	NCC	Ha Tinh	Can Loc	Electricity	SPL I	Can Loc Distric Electric Network
387	NCC	Ha Tinh	Cam Xuyen	Electricity	SPL I	Cam Xuyen Distric Electric Network
388	NCC	Ha Tinh	Nghi Xuan	Electricity	SPL I	Nghi Xuan Distric Electric Network
389	NCC	Ha Tinh	Thai Yen	Electricity	SPL I	Thai Yen Distric Electric Network
390	NCC	Ha Tinh	Huong Khe	Electricity	SPL II	Transformer 10KV Huong Xuan-Huong
391	NCC	Ha Tinh	Can Loc	Electricity	SPL II	Transformer 10KV Binh Loc-Thinh Loc
392	NCC	Ha Tinh	NA	Electricity	SPL II	Son Truong Commune Electric Line
393	NCC	Ha Tinh	Thach Ha	Electricity	SPL II	Thach Vinh Commune Electric Line
394	NCC	Ha Tinh	Thai Yen	Electricity	SPL II	Thai Yen Distric Electric Network
395	NCC	Ha Tinh	NA	Electricity	SPL II	Cay Town Electric Network

Region: NE-North East Mountainous, NW-North West Mountainous, RRD-Red River Delta

NCC-North Central Coast, SCC-South Central Coast, CH-Central Highland, SE-South East, MD-Mekong Delta

Appendix 1.2 Sub-Project (Infrastructure) List

(8/20)

No. for Infrastructure	Region	Province	District	Sector	Phase	Sub-Project
396	NCC	Ha Tinh	Hong Linh	Electricity	SPL II	Hong Linh Commune Electric Line
397	NCC	Ha Tinh	Huong Son	Electricity	SPL II	Son Thuy-Le Thuy Commune Electric Line
398	NCC	Ha Tinh	Nghi Xuan	Electricity	SPL II	Xuan Thanh Commune Electric Line
399	NCC	Ha Tinh	Huong Son	Electricity	SPL II	Son Mai-Thanh Mai Electric Network
400	NCC	Ha Tinh	Ky Anh	Electricity	SPL IV	Ky Lam-Ky Thinh Commune Electric
401	NCC	Ha Tinh	Huong Son	Electricity	SPL IV	Son Bang-Son Thinh Commune Electric
402	NCC	Ha Tinh	Can Loc	Electricity	SPL IV	Quang Loc-My Loc Commune Electric
403	NCC	Ha Tinh	Cam Xuyen	Electricity	SPL IV	Cam Nhuong-Cam Due Commune Electric
404	NCC	Ha Tinh	Thach Ha	Electricity	SPL V	Thach Ha Distric Electric Network
405	NCC	Ha Tinh	Ky Anh	Water Supply	SPL I	Ky Anh Water Supply System
406	NCC	Ha Tinh	Ky Anh	Water Supply	SPL III	Vung An WSS
					SPL V	Ky Anh WSS
407	NCC	Ha Tinh	Vu Quang	Water Supply	SPL III	Vu Quang
408	NCC	Ha Tinh	Can Loc	Water Supply	SPL IV	Nghen Town WSS
409	NCC	Ha Tinh	Hong Linh	Water Supply	SPL V	Trung Luong Commune WSS (Pilot
410	NCC	Ha Tinh	Ky Anh	Irrigation	SPL III	Song Rac Irrigation
411	NCC	Ha Tinh	Can Loc	Irrigation	SPL IV	An Hung Dam
412	NCC	Ha Tinh	Huong Son	Irrigation	SPL IV	Cau Ke Dam
413	NCC	Ha Tinh	Ky Anh	Irrigation	SPL IV	Khe Coi Dam
414	NCC	Ha Tinh	Cam Xuyen	Irrigation	SPL IV	19/5 Dam
415	NCC	Ha Tinh	Duc Tho	Irrigation	SPL IV	Lien Minh-Tung Chau Irrigation System
416	NCC	Ha Tinh	Huong Khe	Irrigation	SPL V	Huong Long-Huong Binh-Hoa Hai-Phu
417	RRD	Hai Duong	NA	Road	SPL I	Road No.191
					SPL II	Road No.191, Tu Ky Road
418	RRD	Hai Duong	Gia Loc, Ninh Giang	Road	SPL I	Road No.17A (Gia Loc - Ninh Giang)
419	RRD	Hai Duong	NA	Road	SPL I	Road No.20B
420	RRD	Hai Duong	Kinh Mon	Road	SPL I	Phung Khac Road
					SPL III	Phung Khac Road
421	RRD	Hai Duong	Hai Duong City	Road	SPL II	Road in west of Hai Duong City
422	RRD	Hai Duong	Ninh Giang	Road	SPL II	Road No.210, Tu Giang
423	RRD	Hai Duong	Hai Duong City	Electricity	SPL I	Hai Duong Town Electric Network
424	RRD	Hai Duong	Ninh Giang	Electricity	SPL I	Ninh Giang District Electric Network
425	RRD	Hai Duong	Tu Ky	Electricity	SPL I	Tu Ky District Electric Network
426	RRD	Hai Duong	Thanh Ha	Electricity	SPL II	Thanh Ha District Electric Line
427	RRD	Hai Duong	Ninh Giang	Electricity	SPL II	Ninh Giang District Electric Line
428	RRD	Hai Duong	Binh Giang	Electricity	SPL II	Binh Giang District Electric Line
429	RRD	Hai Duong	Kinh Mon	Electricity	SPL II	Kinh Mon District Electric Line
430	RRD	Hai Duong	Hai Duong City	Electricity	SPL II	Light System of Hai Duong City
431	RRD	Hai Duong	Chi Linh	Water Supply	SPL III	Sao Do WSS
432	RRD	Hai Phong	Hai Phong City	Road	SPL I	Nguyen Trai Street (Hai Phong City)
433	RRD	Hai Phong	Kien Thuy, Do Son	Road	SPL I	Road No.401 (Kien Thuy - Do Son)
434	RRD	Hai Phong	Hai Phong City	Road	SPL I	Lach Tray Street (Hai Phong City)
435	RRD	Hai Phong	Vinh Bao	Road	SPL I	Road No.17
436	RRD	Hai Phong	NA	Road	SPL I	Road No.404
437	RRD	Hai Phong	NA	Road	SPL I	Road No.301
438	RRD	Hai Phong	Kien Thuy	Road	SPL II	Provincial Road No.402
					SPL III	Road No.402
439	RRD	Hai Phong	Vinh Bao	Road	SPL III	Road No.17B
440	RRD	Hai Phong	Vinh Bao	Electricity	SPL II	Vinh Bao Town Electric Line
441	RRD	Hai Phong	Vinh Bao	Water Supply	SPL III	Vinh Bao WSS
442	MD	Hau Giang	Long My	Road	SPL V	Cao Hot Be Road
443	MD	Hau Giang	Long My	Electricity	SPL I	Vinh Vien Electric
444	MD	Hau Giang	Long My	Electricity	SPL II	Vinh Vien Electric
445	MD	Hau Giang	Long My	Electricity	SPL II	Long Binh Commune Electric Line
446	MD	Hau Giang	Long My	Electricity	SPL V	Electric Network in Long Phu-Phu Tri-
447	MD	Hau Giang	Vi Thanh	Water Supply	SPL III	Vi Thanh WSS
448	NW	Hoa Binh	Da Bac	Road	SPL I	Road No.433
					SPL II	Road No.433
					SPL III	Road 433
					SPL IV	Road 433
					SPL V	Road 433 (Km55-Km84)
449	NW	Hoa Binh	Hoa Binh City	Road	SPL I	Urban Road (Hoa Binh Town), 21Roads

Region: NE-North East Mountainous, NW-North West Mountainous, RRD-Red River Delta

NCC-North Central Coast, SCC-South Central Coast, CH-Central Highland, SE-South East, MD-Mekong Delta

Appendix 1.2 Sub-Project (Infrastructure) List

(9/20)

No. for Infrastructure	Region	Province	District	Sector	Phase	Sub-Project
450	NW	Hoa Binh	Hoa Binh City	Road	SPL II	Hoa Binh Town Road
451	NW	Hoa Binh	Tan Lac	Road	SPL V	Tu Ne - Lo Son Road
452	NW	Hoa Binh	Mai Chau	Electricity	SPL I	Tan My Commune Electric Line
453	NW	Hoa Binh	NA	Electricity	SPL I	Lac Thinh Commune Electric Line
454	NW	Hoa Binh	Tan Lac	Electricity	SPL II	Phu Cuong Commune Electric Line
455	NW	Hoa Binh	Mai Chau	Electricity	SPL II	Tan My Commune Electric Line
456	NW	Hoa Binh	Luong Son	Electricity	SPL II	Nhan Trach Commune Electric Line
457	NW	Hoa Binh	Ky Son	Electricity	SPL II	Hop Thinh Commune Electric Line
458	NW	Hoa Binh	NA	Electricity	SPL II	Lac Thinh Commune Electric Line
459	NW	Hoa Binh	Tan Lac	Electricity	SPL III	Phu Cuong Commune Electric Line
460	NW	Hoa Binh	Lac Son	Electricity	SPL III	Van Son Commune Electric Line
461	NW	Hoa Binh	Kim Boi	Electricity	SPL III	Hop Kim Commune Electric Line
462	NW	Hoa Binh	Lac Son	Electricity	SPL V	Thien Chi-Lac Son Commune Electric Line
463	NW	Hoa Binh	Lac Thuy	Irrigation	SPL III	Phu Lao Reservoir
464	NW	Hoa Binh	Yen Thuy	Irrigation	SPL V	Ngoc Luong Reservoir
465	RRD	Hung Yen	NA	Road	SPL I	Road No.202
466	RRD	Hung Yen	NA	Road	SPL I	Road No.205
467	RRD	Hung Yen	An Thi, Tien Lu	Road	SPL I	Road No.200(My Van, An Thi, Tien Lu)
468	RRD	Hung Yen	Kim Dong, Khoai Chau	Road	SPL II	Road No.208A
469	RRD	Hung Yen	NA	Road	SPL II	Road No.203B, Cau Cap - Quan Thu Road
			Phu Cu, Tien Lu		SPL III	Road No.203B
470	RRD	Hung Yen	NA	Road	SPL II	Road No.196
471	RRD	Hung Yen	NA	Road	SPL II	Road No.195
472	RRD	Hung Yen	Kim Dong, Khoai Chau	Road	SPL III	Road No.208
473	RRD	Hung Yen	Kim Dong	Road	SPL III	Road No.61
474	RRD	Hung Yen	NA	Road	SPL III	Road No.195, 201, 204
475	RRD	Hung Yen	An Thi	Electricity	SPL I	An Thi Electric Line
476	RRD	Hung Yen	Phu Cu	Electricity	SPL I	Phu Cu Electric Line
477	RRD	Hung Yen	Tien Lu	Electricity	SPL II	Dien Vuong-Tien Lu Electric System
478	RRD	Hung Yen	Khoai Chau	Electricity	SPL II	Khoai Chau Town Electric Line
479	RRD	Hung Yen	Kim Dong	Electricity	SPL II	Luong Bang-Kim Dong Electric Network
480	RRD	Hung Yen	My Hao	Electricity	SPL II	My Hao Commune Electric Line
481	RRD	Hung Yen	An Thi	Electricity	SPL II	Ha Le-An Thi Electric Network
482	SCC	Khanh Hoa	Nha Trang	Road	SPL I	Road to Nha Trang Sea Port
483	SCC	Khanh Hoa	NA	Road	SPL I	Provincial Road No.9
484	SCC	Khanh Hoa	Ninh Hoa	Electricity	SPL I	Ninh An Commune Electric
485	SCC	Khanh Hoa	Dien Khanh	Electricity	SPL I	Suoi Cat Commune Electric
486	SCC	Khanh Hoa	Ninh Hoa	Electricity	SPL II	Ninh Binh Commune Electric Line
487	SCC	Khanh Hoa	Dien Khanh	Electricity	SPL II	Dien Lam Commune Electric Line
488	SCC	Khanh Hoa	NA	Electricity	SPL II	Doc Da Trang Commune Electric Line
489	SCC	Khanh Hoa	Van Ninh	Electricity	SPL III	Van Thanh Commune Electric Line
490	SCC	Khanh Hoa	Khanh Vinh	Electricity	SPL III	Khanh Vinh Commune Electric Line
491	SCC	Khanh Hoa	Nha Trang	Electricity	SPL III	Phuoc Dong Commune Electric Line
492	MD	Kien Giang	An Bien	Road	SPL I	Nam Ky Khoi Nghia Road
493	MD	Kien Giang	Rach Gia	Road	SPL I	Urban Road (Ngo Quyen Rd. Rach Gia
494	MD	Kien Giang	Giong Gieng	Road	SPL II	Ngoc Chuc-Hoa Thuan-Hoa Hung-Hoa Loi
495	MD	Kien Giang	Tan Hiep	Road	SPL III	Giong Rieng-Go Quao Inter-Commune
496	MD	Kien Giang	Vinh Thuan	Road	SPL V	Vinh Thuan - Tan Thuan - Minh Thuan
497	MD	Kien Giang	Phu Quoc	Electricity	SPL I	Duong Dong Electric Line
498	MD	Kien Giang	Kien Hai	Electricity	SPL I	Lai Son Commune Electric Line
499	MD	Kien Giang	Phu Quoc	Electricity	SPL II	Duong To-An Thoi Electric Network
500	MD	Kien Giang	Giong Gieng	Electricity	SPL V	Electric Line and Transformer in buffer
501	MD	Kien Giang	Giong Gieng	Water Supply	SPL III	Giong Gieng WSS
502	CH	Kon Tum	Kon Tum town	Road	SPL I	Quang Trung Road
503	CH	Kon Tum	Ngoc Hoi	Road	SPL I	Ngoc Hoi Township Road
504	CH	Kon Tum	Kon Plong	Road	SPL I	Road Ngoc Tem
			Ngoc Hoi		SPL II	Road to Ngoc Tem Commune
			Ngoc Hoi		SPL III	Road to Ngoc Tem Commune
505	CH	Kon Tum	Ngoc Hoi	Road	SPL V	Inter-commune Road and Dak Ang Bridge
506	CH	Kon Tum	Dak Glei	Electricity	SPL I	Thuy Dien-Ngoc Linh Electric Network
507	CH	Kon Tum	Dak Rong	Electricity	SPL I	Dak Mon-Dak Loong Electric Network
508	CH	Kon Tum	Dac Ha	Electricity	SPL II	Dac Uy (Dac Ha) Electric Network

Region: NE-North East Mountainous, NW-North West Mountainous, RRD-Red River Delta

NCC-North Central Coast, SCC-South Central Coast, CH-Central Highland, SE-South East, MD-Mekong Delta

Appendix 1.2 Sub-Project (Infrastructure) List

(10/20)

No. for Infrastructure	Region	Province	District	Sector	Phase	Sub-Project
509	CH	Kon Tum	Dak Ha	Electricity	SPL III	Ngoc Wang Commune Electric Line
510	CH	Kon Tum	Kon Tum town	Electricity	SPL III	Ia-Chim Commune Electric Line
511	CH	Kon Tum	Kon Ray	Electricity	SPL III	Dak-koi Commune Electric Line
512	CH	Kon Tum	Dak To	Electricity	SPL V	Dak Ha Commune Electric Network
513	CH	Kon Tum	Konplong	Water Supply	SPL III	Kon Plong WSS
514	CH	Kon Tum	Ngoc Hoi	Water Supply	SPL V	WSS in Bo Y Boder Gate
515	CH	Kon Tum	Dak Ha	Water Supply	SPL V	Dak Ha Town WSS
516	CH	Kon Tum	Dak Glei	Irrigation	SPL III	Dakpoko Irrigation
517	CH	Kon Tum	Sa Thay	Irrigation	SPL V	Dak Sia 1 Irrigation System
518	NW	Lai Chau	Tam Duong	Road	SPL I	Tam Duong-Ban Giang-Ban Hon Road
					SPL II	Tam Duong-Ban Giang-Ban Hon Road
519	NW	Lai Chau	Muong Te	Road	SPL III	Bun Nua - Pa Ve Su Road
520	NW	Lai Chau	Phong Tho	Road	SPL IV	Nam Cay - Sin Cai Road
521	NW	Lai Chau	Tam Duong	Road	SPL IV	Tam Duong - Then Xin - Ban Man Road
522	NW	Lai Chau	Phong Tho	Road	SPL V	Dao San - Pa Vay Su Road
523	NW	Lai Chau	Phong Tho	Road	SPL V	Nam Xe - Sin Suoi Ho Road
524	NE	Lai Chau	Than Uyen	Electricity	SPL I	Van Hoa Commune Electric Line
525	NE	Lai Chau	Than Uyen	Electricity	SPL I	Muong Khoa Commune Electric Line
526	NE	Lai Chau	Than Uyen	Electricity	SPL I	Minh Thanh Commune Electric Line
527	NW	Lai Chau	Phong Tho	Electricity	SPL I	Binh Lu Electric Network (stage 1 and 2)
528	NW	Lai Chau	Phong Tho	Electricity	SPL I	Ban Bo Commune Electric Line
529	NW	Lai Chau	Than Uyen	Electricity	SPL IV	Than Thuoc Commune Electric Line
530	NW	Lai Chau	Than Uyen	Electricity	SPL V	Nam Can-Bac Ta Electric Network
531	NW	Lai Chau	Binh Lu	Water Supply	SPL III	Binh Lu Water Supply System
532	NW	Lai Chau	Than Uyen	Water Supply	SPL IV	Than Uyen WSS
533	NW	Lai Chau	Phong Tho	Water Supply	SPL V	Phong Tho WSS (West)
534	NW	Lai Chau	Phong Tho	Water Supply	SPL V	Phong Tho WSS (East)
535	NW	Lai Chau	Tam Duong	Irrigation	SPL V	Khu Ha Irrigation System
536	CH	Lam Dong	NA	Road	SPL I	Yersin - Quang Trung - Phan Chu Trinh
537	CH	Lam Dong	Cat Tien	Road	SPL I	Road No.721(from Madagui to Cat Tien)
538	CH	Lam Dong	NA	Road	SPL II	Provincial Road No.725
539	CH	Lam Dong	Dat Lat City	Road	SPL II	Tran Phu - Hoang Van Thu Road
					SPL II	Hoa Ninh - Hoa Nam Road
540	CH	Lam Dong	Di Linh	Road	SPL III	Hoa Ninh-Hoa Nam-Dinh Thang Hoa Road
					SPL V	Tan Van - Phuc Tho Road
541	CH	Lam Dong	Lam Ha	Road	SPL V	Phi Lieng Center Commune Road
542	CH	Lam Dong	Dam Rong	Road	SPL V	Phi Lieng Center Commune Road
543	CH	Lam Dong	Lam Ha	Electricity	SPL I	Dinh Van-Phu Son Electric Network
544	CH	Lam Dong	Cat Tien	Electricity	SPL I	Dong Nai-Gia Vien-Tien Hoang Electric
545	CH	Lam Dong	Da Terh	Electricity	SPL I	Da The-Trieu Hai Electric
546	CH	Lam Dong	Bao Loc	Electricity	SPL I	Madagui-Ha Lam-Dam Bri Electric
547	CH	Lam Dong	Cat Tien	Electricity	SPL II	Phuoc Cat 2 Commune Electric Line
548	CH	Lam Dong	Cung Re	Electricity	SPL II	Cung Re Commune Electric Line
549	CH	Lam Dong	Lam Ha	Electricity	SPL II	22KV Madagui-Da Hoai
550	CH	Lam Dong	Bao Lam	Electricity	SPL III	Loc Ngai Commune Electric Line 22KV
551	CH	Lam Dong	Bao Lam	Electricity	SPL III	Loc Tan Commune Electric Line
552	CH	Lam Dong	Dah Hoai	Electricity	SPL III	Da Ton Commune Electric Line
553	CH	Lam Dong	Lam Ha	Electricity	SPL V	Da Don Commune Electric Line
554	CH	Lam Dong	Bao Loc	Water Supply	SPL I	Bao Loc Water Supply System
555	CH	Lam Dong	Bao Lam	Water Supply	SPL V	Loc Thang Town WSS
556	CH	Lam Dong	Lam Ha	Irrigation	SPL III	Da-Don Dam
557	CH	Lam Dong	Lac Duong	Irrigation	SPL V	Bokabang Water Reservoir
558	NE	Lang Son	Lang Son City	Road	SPL I	Ly Thai To - Chu Van An Road
559	NE	Lang Son	Trang Dinh	Road	SPL I	That Khe - Quoc Khanh Road (PR No.228)
					SPL II	That Khe - Quoc Khanh Road
560	NE	Lang Son	Lang Son City	Road	SPL I	Dinh Tien Hoang Road
561	NE	Lang Son	Van lang	Road	SPL III	Na Sam-Na Hinh Road
562	NE	Lang Son	Binh Gia	Road	SPL III	Hoa Binh - Binh La Road
			Van Quan, Van Lang,	Road	SPL IV	Hoa Binh - Binh La - Gia Mien road (Km
			Van Quan, Binh Gia,	Road	SPL V	Hoa Binh - Binh La - Gia Mien Road
563	NE	Lang Son	Loc Binh	Road	SPL IV	Provincial Road No.237C
564	NE	Lang Son	Van Quan	Electricity	SPL I	Dong Giap Electric Network
565	NE	Lang Son	Chi Lang	Electricity	SPL I	Yen Tich Electric Network

Region: NE-North East Mountainous, NW-North West Mountainous, RRD-Red River Delta

NCC-North Central Coast, SCC-South Central Coast, CH-Central Highland, SE-South East, MD-Mekong Delta

Appendix 1.2 Sub-Project (Infrastructure) List

(11/20)

No. for Infrastructure	Region	Province	District	Sector	Phase	Sub-Project
566	NE	Lang Son	Huu Lung	Electricity	SPL II	Hoa Lac-Hoa Son-Tan Thanh Electric Line
567	NE	Lang Son	Binh Gia	Electricity	SPL II	Binh Gia-Pac Thuong Electric Line
568	NE	Lang Son	Chi Lang	Electricity	SPL III	Chien ThangTransformer and Electric Line
569	NE	Lang Son	Loc Binh	Electricity	SPL III	Southern of Loc Binh Transformer and
570	NE	Lang Son	Van lang	Electricity	SPL III	Hoi Hoan Transformer and Electric Line
571	NE	Lang Son	Binh Gia, Bac Son	Electricity	SPL V	0.4KV Electric Line in Binh Gia, Bac Son
572	NE	Lang Son	Van Lang	Water Supply	SPL V	Na Sam Town WSS
573	NE	Lang Son	Huu Lung	Irrigation	SPL V	Thien Ky Irrigation System
574	NE	Lao Cai	Bao Thang, Van Ban	Road	SPL I	Tang Long - Khe Lech Road(PR No.79)
			Bao Thang		SPL II	Road No.79, Tang Long - Khe Lech Road
			Van ban		SPL III	Provincial Road 79
575	NE	Lao Cai	Sa Pa	Road	SPL I	Pho Moi - Sa Pa Road
576	NE	Lao Cai	Lao Cai	Road	SPL I	Pho Moi - Phong Hai Road
					SPL II	Pho Moi - Phong Hai Road
					SPL III	Pho Moi - Phong Hai Road
577	NE	Lao Cai	Bao Uyen	Road	SPL III	Bao Ha - Kim Son Road
					SPL IV	Bao Ha - Kim Son Road
578	NE	Lao Cai	Muong Khuong, Bac	Road	SPL IV	Hoang Lien Son II Road
579	NE	Lao Cai	Bac Ha	Road	SPL V	Bac Ngam - Bac Ha Road
580	NE	Lao Cai	Van Bao	Electricity	SPL I	Vo Lao Commune Electric Line
581	NE	Lao Cai	Bao Yen	Electricity	SPL I	Minh Tan Commune Electric Line
582	NE	Lao Cai	Bao Yen	Electricity	SPL I	Dien Quan Commune Electric Line
583	NE	Lao Cai	Bao Thang	Electricity	SPL II	Gia Phu Commune Electric
584	NE	Lao Cai	Bao Thang	Electricity	SPL II	Ban Phiet Commune Electric
585	NE	Lao Cai	Lao Cai	Electricity	SPL II	Dong Tuyen Commune Electric
586	NE	Lao Cai	Muong Khuong	Electricity	SPL II	Ban Lau Commune Electric
587	NE	Lao Cai	Bao Thang	Electricity	SPL II	Phong Hai Commune Electric
588	NE	Lao Cai	Bao Thang	Electricity	SPL II	Tang Loong Commune Electric
589	NE	Lao Cai	Bac Ha	Electricity	SPL III	Bao Nhai Electric Network
590	NE	Lao Cai	Cam Duong	Electricity	SPL III	Ta Phoi Electric Network
591	NE	Lao Cai	Bat Xat	Electricity	SPL III	Muon Vi Electric Network
592	NE	Lao Cai	Van ban	Electricity	SPL IV	Nam Ma Commune Electric Line
593	NE	Lao Cai	Bao Yen	Electricity	SPL IV	Xuan Hoa Commune Electric Line
594	NE	Lao Cai	Muong Khuong	Water Supply	SPL III	Muon Khuong Water Supply System
595	NE	Lao Cai	Bac Ha	Water Supply	SPL IV	Bac Ha WSS
596	NE	Lao Cai	Bat Xat	Irrigation	SPL IV	Sin Chai Irrigation System
597	NE	Lao Cai	Muong Khuong	Irrigation	SPL V	Nam Chay Irrigation System
598	MD	Long An	Tan An	Road	SPL I	Road No.6 (Tan An Town)
					SPL II	Road No.6 (Extension)
599	MD	Long An	Tan An	Road	SPL I	Road No.5 (Tan An Town)
600	MD	Long An	Can Duoc	Road	SPL III	Provincial Road 835 Section 1 Go Den -
601	MD	Long An	Thu Thua	Electricity	SPL I	My An Electric
602	MD	Long An	Duc Hoa	Electricity	SPL I	An Ninh Tay Electric
603	MD	Long An	Can Giuoc	Electricity	SPL II	Phuoc Vinh Dong Commune Electric Line
604	RRD	Nam Dinh	Nam Dinh City	Road	SPL I	Nam Dinh - Quan Vinh Road
605	RRD	Nam Dinh	NA	Road	SPL I	Bo Song Road
					SPL II	Bo Song Road(Road around Nam Dinh
606	RRD	Nam Dinh	Y Yen	Road	SPL I	Road No.12A (Y Yen)
					SPL I	Road No.12A (Vu Ban)
607	RRD	Nam Dinh	Nam Dinh City	Road	SPL I	Urban Road of Nam Dinh Town
608	RRD	Nam Dinh	NA	Road	SPL I	Provincial Road No.57A
609	RRD	Nam Dinh	NA	Road	SPL II	Provincial Road No.490 (Old Road No.55)
610	RRD	Nam Dinh	Vu Ban, Y Yen	Road	SPL II	Road No.12, Vu Ban - Y.Yen Road
611	RRD	Nam Dinh	NA	Road	SPL II	West Muc River Road
612	RRD	Nam Dinh	Xuan Truong	Road	SPL II	Road 489
					SPL III	Province Road 489
613	RRD	Nam Dinh	Nam Dinh City	Road	SPL III	Tran Nhan Tong Road (Extension)
614	RRD	Nam Dinh	Vu Ban, Y Yen	Road	SPL III	Provincial Road No.56
615	RRD	Nam Dinh	Nam Truc	Electricity	SPL I	Nam My Commune Electric Line
616	RRD	Nam Dinh	Vu Ban	Electricity	SPL I	Tam Thanh Commune Electric Line
617	RRD	Nam Dinh	Giao Thuy	Electricity	SPL I	Hong Thuan Commune Electric Line
618	RRD	Nam Dinh	NA	Electricity	SPL I	Thinh Long Commune Electric Line

Region: NE-North East Mountainous, NW-North West Mountainous, RRD-Red River Delta

NCC-North Central Coast, SCC-South Central Coast, CH-Central Highland, SE-South East, MD-Mekong Delta

Appendix 1.2 Sub-Project (Infrastructure) List

(12/20)

No. for Infrastructure	Region	Province	District	Sector	Phase	Sub-Project
619	RRD	Nam Dinh	Nam Truc	Electricity	SPL I	Nam Thuong-Dong Long Communc
620	RRD	Nam Dinh	NA	Electricity	SPL I	Yen Trinh Commune Electric Line
621	RRD	Nam Dinh	Hai Hau	Electricity	SPL I	Hai Trieu Commune Electric Line
622	RRD	Nam Dinh	Xuan Truong	Electricity	SPL II	Xuan Chau Commune Electric Line
623	RRD	Nam Dinh	NA	Electricity	SPL II	Hop Hung Commune Electric Line
624	RRD	Nam Dinh	Hai Hau	Electricity	SPL II	Hai Son Commune Electric Line
625	RRD	Nam Dinh	Giao Thuy	Electricity	SPL II	Giao Hai Commune Electric Line
626	RRD	Nam Dinh	Y Yen	Electricity	SPL II	Lam Town Electric Line
627	RRD	Nam Dinh	Xuan Truong	Electricity	SPL II	Xuan Tien Commune Electric Line
628	RRD	Nam Dinh	Van Chan	Electricity	SPL II	Tan Thinh Commune Electric Line
629	RRD	Nam Dinh	Hai Hau	Electricity	SPL II	Hai Minh Commune Electric Line
630	NCC	Nghe An	Vinh Loc	Road	SPL I	Vinh - Cua Hoi Road (PR No.535)
					SPL II	Vinh - Cua Hoi Road,PR535 (Ascon. Only)
631	NCC	Nghe An	Nghi Loc	Road	SPL I	Nghi Thu - Cua Lo Road
632	NCC	Nghe An	Vinh City	Road	SPL I	Le Hong Phong - Nguyen Thai Hoc Roac
633	NCC	Nghe An	Vinh City	Road	SPL I	Tran Hung Dao - Truong Chinh Road
					SPL II	Tran Hung Dao Road
634	NCC	Nghe An	Vinh City	Road	SPL II	Binh Minh Road
635	NCC	Nghe An	Quy Chau	Road	SPL III	Quy Chau-Chau Phong Township Road
636	NCC	Nghe An	Con Cuong	Road	SPL III	Bong Khe-Mon Son Road
637	NCC	Nghe An	Nghi Loc	Road	SPL III	Nghi Duc-Nghi Thiet Road
638	NCC	Nghe An	Que Phong	Road	SPL IV	Hanh Dich - Muong Don Road
639	NCC	Nghe An	Tuong Duong	Road	SPL IV	Ve - Nga My Road
640	NCC	Nghe An	Thanh Chuong	Road	SPL IV	Song Giang Bridge
641	NCC	Nghe An	Ky Son	Road	SPL V	Ta Ca - Huu Kien Road
642	NCC	Nghe An	Anh Son	Road	SPL V	Duc Son - Binh Son commune Road
643	NCC	Nghe An	Tan Ky	Electricity	SPL I	Giai Xuan Electric Network
644	NCC	Nghe An	Thanh Chuong	Electricity	SPL I	Thanh Hung Electric Network
645	NCC	Nghe An	Tan Ky	Electricity	SPL I	Cao Son Electric Network
646	NCC	Nghe An	Tan Ky	Electricity	SPL II	Nghia Phuc Commune Electric Line
647	NCC	Nghe An	Thanh Chuong	Electricity	SPL II	Thanh Ngoc Commune Electric Line
648	NCC	Nghe An	Anh Son	Electricity	SPL II	Vinh Son Commune Electric Line
649	NCC	Nghe An	Nghi Loc	Electricity	SPL III	Nghi Van Commune Electric Line
650	NCC	Nghe An	Quang Phong	Electricity	SPL III	Muong Noc Commune Electric Line
651	NCC	Nghe An	Tuong Duong	Electricity	SPL III	Yen Tinh Commune Electric Line
652	NCC	Nghe An	Thanh Chuong	Electricity	SPL IV	Thanh An Commune Electric Line
653	NCC	Nghe An	Con Cuong	Electricity	SPL IV	Thach Ngan Commune Electric Line
654	NCC	Nghe An	Tan Ky	Electricity	SPL V	Nghia Thanh Commune Electric Line
655	NCC	Nghe An	Con Cuong	Electricity	SPL V	Binh Chuan Commune Electric Line
656	NCC	Nghe An	Cua Lo Town	Water Supply	SPL I	Cua Lo Water Supply System
657	NCC	Nghe An	Nam Dan	Water Supply	SPL IV	Nam Dan WSS
658	NCC	Nghe An	Yen Thanh	Water Supply	SPL IV	Yen Thanh WSS
659	NCC	Nghe An	Nghia Dan	Water Supply	SPL V	Nghia Dan WSS
660	NCC	Nghe An	Hung Nguyen	Irrigation	SPL III	Khe Ngang Reservoir
661	NCC	Nghe An	Do Luon	Irrigation	SPL IV	Yen Trach-Khe Chet Dam
662	NCC	Nghe An	Quy Chau	Irrigation	SPL IV	Ke Coc-Khe Nha Irrigation Canal
663	NCC	Nghe An	Thanh Chuong	Irrigation	SPL IV	Trieu Duong Reservoir
664	RRD	Ninh Binh	NA	Road	SPL I	Road No.59B
					SPL II	Road No.59B
665	RRD	Ninh Binh	NA	Road	SPL I	Ba Vuong - Binh Dong Road
666	RRD	Ninh Binh	NA	Road	SPL I	Thong Nhac Road (Road No.58)
					SPL I	Nhac - Duc Hau Road (Road No.58)
667	RRD	Ninh Binh	NA	Road	SPL I	Cau Dam - Khanh Thanh Road
					SPL II	Cau Dam - Khanh Thanh Road
668	RRD	Ninh Binh	NA	Road	SPL I	Thong Nhat Road (Road No.58)
669	RRD	Ninh Binh	Hoa Lu	Road	SPL I	Ninh Thang - Truong Yen Road
670	RRD	Ninh Binh	NA	Road	SPL II	Cong Go - Mua Thu Road
671	RRD	Ninh Binh	NA	Road	SPL II	Qui Hau - Do Muoi Road
672	RRD	Ninh Binh	Nho Quan	Road	SPL III	Inter Commune Road (Thuong Hoa-Thanh)
673	RRD	Ninh Binh	Gia Vien	Road	SPL III	Road to Vua Dinh Temple
674	RRD	Ninh Binh	Nho Quan	Road	SPL III	Road No.12C
675	RRD	Ninh Binh	Yen Mo	Road	SPL V	Khanh Ninh - Long market Road

Region: NE-North East Mountainous, NW-North West Mountainous, RRD-Red River Delta

NCC-North Central Coast, SCC-South Central Coast, CH-Central Highland, SE-South East, MD-Mekong Delta

Appendix 1.2 Sub-Project (Infrastructure) List

(13/20)

No. for Infrastructure	Region	Province	District	Sector	Phase	Sub-Project
676	RRD	Ninh Binh	Nho Quan	Electricity	SPL I	Quynh Luu Commune Electric Network
677	RRD	Ninh Binh	Gia Vien	Electricity	SPL I	Khanh Van Commune Electric Line
678	RRD	Ninh Binh	Kim Son	Electricity	SPL I	Hung Tien Commune Electric Line
679	RRD	Ninh Binh	Gia Vien	Electricity	SPL I	Da Han Trade Center Electric Network
680	RRD	Ninh Binh	Nho Quan	Electricity	SPL II	Xich Tho Commune Electric
681	RRD	Ninh Binh	Yen Khanh	Electricity	SPL II	Khanh Cu Commune Electric
682	RRD	Ninh Binh	Hoa Lu	Electricity	SPL II	Ninh Khanh Commune Electric
683	RRD	Ninh Binh	Kim Son	Electricity	SPL II	Thuong Kiem Commune Electric
684	RRD	Ninh Binh	Nho Quan	Electricity	SPL II	Quynh Luu Commune Electric Network
685	RRD	Ninh Binh	Kim Son	Water Supply	SPL I	Kim Son Water Supply System
686	RRD	Ninh Binh	Nho Quan	Irrigation	SPL V	Dong Dinh Pump Station
687	SE	Ninh Thuan	Phan Thiet	Road	SPL I	Town Central Road
688	SE	Ninh Thuan	NA	Road	SPL I	Tri Thuy - Phuong Cuu Road
			Ninh Hai - Thuan Bac		SPL V	District No.6 (Tri Thuy - Binh Nghia -
689	SE	Ninh Thuan	Phan Thiet	Road	SPL II	Town Central Road (Extension)
690	SE	Ninh Thuan	Phan Thiet	Road	SPL II	Phan Rang-Phap Cham Dike Road
691	SE	Ninh Thuan	Bac Ai	Road	SPL III	Ninh Binh - Phuoc Binh Road
					SPL IV	Phuoc Dai - Phuoc Trung Road
692	SE	Ninh Thuan	Bac Ai	Road	SPL V	Phuoc Dai - Phuoc Trung Road
					SPL I	Tan Lap-Ma Noi Electric Line
693	SE	Ninh Thuan	Ninh Son	Electricity	SPL I	Tan Lap-Ma Noi Electric Line
694	SE	Ninh Thuan	Ninh Hai	Electricity	SPL I	Khanh Hai Electric Line
695	SE	Ninh Thuan	NA	Electricity	SPL I	Lac Tien-Tu Thien-Son Hai Electric Line
696	SE	Ninh Thuan	NA	Electricity	SPL I	Hieu Thien-Vu Bon Electric Line
697	SE	Ninh Thuan	NA	Electricity	SPL II	Phuoc Nam-Nhi Ha-Phuoc Ha Commune
698	SE	Ninh Thuan	NA	Electricity	SPL II	Lang Me-Xom Bang Commune Electric
699	SE	Ninh Thuan	NA	Electricity	SPL II	Xom Chieu-Bao An-Cong Thanh-Thanh
700	SE	Ninh Thuan	Ninh Son	Electricity	SPL III	Ma Noi Commune Electric Line
701	SE	Ninh Thuan	Ninh Son	Electricity	SPL III	Hoa Son-My Son Commune Electric Line
702	SE	Ninh Thuan	Ninh Hai	Electricity	SPL III	Binh Son-Dong Hai Commune Electric
703	SE	Ninh Thuan	Ninh Son	Electricity	SPL V	Luong Son-Lan Son Electric Network
704	SE	Ninh Thuan	Ninh Hai	Water Supply	SPL V	My Tuong WSS
705	SE	Ninh Thuan	Ninh Phuoc	Irrigation	SPL III	Ninh Phuoc Irrigation System
706	SE	Ninh Thuan	Ninh Phuoc	Irrigation	SPL IV	Bau Ngu Reservoir
707	SE	Ninh Thuan	Ninh Phuoc	Irrigation	SPL V	Ta Ranh Irrigation
708	NE	Phu Tho	Phu Tho Town	Road	SPL I	Urban Road (Phu Tho Town)
709	NE	Phu Tho	Viet Tri City	Road	SPL I	Urban Road (Viet Tri City)
710	NE	Phu Tho	NA	Road	SPL I	Road P2
711	NE	Phu Tho	Viet Tri City	Road	SPL II	Urban Road in Viet Tri City
712	NE	Phu Tho	Phu Tho Town	Road	SPL II	Road in Phu Tho Township
713	NE	Phu Tho	NA	Road	SPL II	Road P5
					SPL II	Provincial Road No.315
					SPL III	Road 315
714	NE	Phu Tho	Tam Nong	Road	SPL IV	Provincial Road No.315
					SPL IV	Provincial Road No.317 (La Phu - Tinh
					SPL IV	Provincial Road No.312
715	NE	Phu Tho	Thanh Thuy, Thanh Son	Road	SPL IV	Station 312 - Hung Long Triway Road
716	NE	Phu Tho	Ha Hoa	Road	SPL IV	Te Le Commune Bridge
717	NE	Phu Tho	Yen Lap	Road	SPL IV	Van Mieu - Thuong Cuu Road
718	NE	Phu Tho	Tam Nong	Road	SPL IV	Road to Ngo Xa cottage village
719	NE	Phu Tho	Thanh Son	Road	SPL V	Xuan An - My Lung Road
720	NE	Phu Tho	Cam Khe	Road	SPL V	Huong Nha Commune Electric Line
721	NE	Phu Tho	Yen Lap	Road	SPL V	Tinh Cuong Commune Electric Line
722	NE	Phu Tho	Tam Nong	Electricity	SPL I	Van Phu Commune Electric Line
723	NE	Phu Tho	Song Thao	Electricity	SPL I	Thanh Minh Commune Electric Line
724	NE	Phu Tho	Viet Tri City	Electricity	SPL I	Hong Da Commune Electric Line
725	NE	Phu Tho	Phu Tho Town	Electricity	SPL I	Cao Mai Commune Electric Line
726	NE	Phu Tho	Tam Nong	Electricity	SPL I	Gia Thanh Commune Electric Line
727	NE	Phu Tho	Phong Chau	Electricity	SPL I	Phuc Lai Commune Electric Line
728	NE	Phu Tho	Phong Chau	Electricity	SPL I	Dinh Bo Commune Electric Line
729	NE	Phu Tho	Doan Hung	Electricity	SPL II	Chuong Xa Commune Electric Line
730	NE	Phu Tho	Phu Ninh	Electricity	SPL II	Phuong Vien Commune Electric Line
731	NE	Phu Tho	Song Thao	Electricity	SPL II	Phuong Thinh Commune Electric Line
732	NE	Phu Tho	Ha Hoa	Electricity	SPL II	
733	NE	Phu Tho	Tam Nong	Electricity	SPL II	

Region: NE-North East Mountainous, NW-North West Mountainous, RRD-Red River Delta

NCC-North Central Coast, SCC-South Central Coast, CH-Central Highland, SE-South East, MD-Mekong Delta

Appendix 1.2 Sub-Project (Infrastructure) List

(14/20)

No. for Infrastructure	Region	Province	District	Sector	Phase	Sub-Project
734	NE	Phu Tho	Phu Ninh	Electricity	SPL II	Phu Nham Commune Electric Line
735	NE	Phu Tho	Tam Nong	Electricity	SPL II	Trung Nghia Commune Electric Line
736	NE	Phu Tho	Thanh Thuy	Electricity	SPL IV	Tu Vu Commune Electric Line
737	NE	Phu Tho	Song Thao	Electricity	SPL IV	Xuong Thinh-Tung Khe Commune Electric
738	NE	Phu Tho	Thanh Ba	Electricity	SPL IV	Nang Yen Commune Electric Line
739	NE	Phu Tho	Thanh Son	Electricity	SPL IV	Minh Dai-Thu Cuc Commune Electric Line
740	NE	Phu Tho	Yen Lap	Electricity	SPL V	Electric Network in 8 Communes in Yen
741	NE	Phu Tho	Phu Tho Town	Water Supply	SPL I	Phu Tho Water Supply System
742	NE	Phu Tho	Ha Hoa	Water Supply	SPL III	Ha Hoa WSS
743	NE	Phu Tho	Thanh Ba	Water Supply	SPL IV	Thanh Ba WSS
744	NE	Phu Tho	Song Thao	Water Supply	SPL IV	Song Thao WSS
745	NE	Phu Tho	Thanh Son	Water Supply	SPL V	Thanh Son Town WSS
746	NE	Phu Tho	Tam Nong	Irrigation	SPL III	Tam Nong Irrigation System
747	NE	Phu Tho	Thanh Thuy	Irrigation	SPL IV	Phuong Mao Reservoir (2nd Stage)
748	NE	Phu Tho	Thanh Ba	Irrigation	SPL IV	Hoang Hanh PS
749	NE	Phu Tho	Tam Nong	Irrigation	SPL IV	Hien Quan Irrigation System
750	NE	Phu Tho	Cam Khe	Irrigation	SPL V	Irrigation and Drairage System in 16
751	SCC	Phu Yen	Song Hinh	Road	SPL I	Road No.645 (Provincial Road No.1)
					SPL II	Road No.645 (Provincial Road No.1)
752	SCC	Phu Yen	Song Cau	Road	SPL II	Tam Giang-My Hai Road
					SPL V	Tam Giang-My Hai Road
753	SCC	Phu Yen	Song Hinh	Road	SPL IV	Song Hinh Bridge
754	SCC	Phu Yen	Son Hoa	Road	SPL V	Nga Hai Bridge (Son Nguyen Commune)
755	SCC	Phu Yen	Song Hinh	Road	SPL V	Road from Hoa An mini - industrial Zone
756	SCC	Phu Yen	Dong Xuan	Electricity	SPL I	Xuan Phuoc Commune Electric
757	SCC	Phu Yen	Song Hinh	Electricity	SPL II	Duc Binh Tay Commune Electric Line
758	SCC	Phu Yen	Son Hoa	Electricity	SPL II	Son Hoa Commune Electric Line
759	SCC	Phu Yen	Song Cau	Electricity	SPL II	Xuan Tho 2 Commune Electric Line
760	SCC	Phu Yen	Tuy An	Electricity	SPL II	An Phu-An Chan-An My Commune
761	SCC	Phu Yen	Tuy Hoa	Electricity	SPL II	Hoai Hoi Commune Electric Line
762	SCC	Phu Yen	Song Hinh	Electricity	SPL III	Son Gian Commune Electric Line
763	SCC	Phu Yen	Song Cau	Electricity	SPL III	Xuat Binh Commune Electric Line
764	SCC	Phu Yen	Song Cau	Electricity	SPL IV	Trung Trinh-Vung Nha-Tu Nham
765	SCC	Phu Yen	Son Hoa	Water Supply	SPL III	Cung Son-Son Hoa WSS
766	SCC	Phu Yen	Phu Hoa	Water Supply	SPL IV	Phu Hoa WSS
767	SCC	Phu Yen	Song Hinh	Irrigation	SPL III	La Bach Irrigation System
			Phu Hoa		SPL V	La Bach Reservoir (Stage 2)
768	SCC	Phu Yen	Song Hinh	Irrigation	SPL IV	Buon Chao Dam
769	SCC	Phu Yen	Dong Xuan	Irrigation	SPL V	Pump and Irrigation canal of Tan Phuoc,
770	NCC	Quang Binh	Dong Hoi Town	Road	SPL I	Township Road(Dong Hoi Town)
771	NCC	Quang Binh	NA	Road	SPL I	Provincial Road No.2
					SPL II	Provincial Road No.2
772	NCC	Quang Binh	NA	Road	SPL I	Road No.F325 Township
773	NCC	Quang Binh	Dong Hoi Town	Road	SPL II	Dong Hoi Township Road
774	NCC	Quang Binh	NA	Road	SPL II	Lam Nghiep & Hoi Bridges
775	NCC	Quang Binh	Dong Hoi	Road	SPL III	Urban Roads in Dong Hoi
776	NCC	Quang Binh	Quang Ninh	Road	SPL V	Hien - Xuan - An - Van Ninh
777	NCC	Quang Binh	Quang Trach	Electricity	SPL I	Quang Luu Electric
778	NCC	Quang Binh	Bo Trach	Electricity	SPL I	Son Loc-Phu Dinh Electric
779	NCC	Quang Binh	Le Thuy	Electricity	SPL I	Kim Van-Truong Thuy Electric
780	NCC	Quang Binh	Quang Ninh	Electricity	SPL I	Bac Truong Xuan Electric
781	NCC	Quang Binh	Quang Trach	Electricity	SPL I	Quang Tung-Quang Chau-Quang Tien
782	NCC	Quang Binh	Tuyen Hoa	Electricity	SPL I	Mai Phong-Tien Hoa Electric
783	NCC	Quang Binh	NA	Electricity	SPL II	Kim Thuy-Van Thuy-Truong Thuy Electric
784	NCC	Quang Binh	Quang Trach	Electricity	SPL II	Transformer 20KV of Quang Tung-Chau
785	NCC	Quang Binh	Quang Trach	Electricity	SPL II	Quang Luu-Quang Trach Electric Network
786	NCC	Quang Binh	Minh Hoa	Electricity	SPL III	Dan Hoa Commune Electric Line
787	NCC	Quang Binh	Minh Hoa	Water Supply	SPL III	Minh Hoa WSS
788	NCC	Quang Binh	Bo Trach	Water Supply	SPL V	Viet Trung WSS
789	NCC	Quang Binh	Quang Ninh	Irrigation	SPL III	Upgrade Cam Li Reversoir
790	SCC	Quang Nam	Dien Ban	Road	SPL I	Road to Dien Nam-Dien Ngoc Industrial
791	SCC	Quang Nam	Duy Xuyen	Road	SPL I	Kiem Lam - Can Truc Road

Region: NE-North East Mountainous, NW-North West Mountainous, RRD-Red River Delta

NCC-North Central Coast, SCC-South Central Coast, CH-Central Highland, SE-South East, MD-Mekong Delta

Appendix 1.2 Sub-Project (Infrastructure) List

(15/20)

No. for Infrastructure	Region	Province	District	Sector	Phase	Sub-Project
792	SCC	Quang Nam	Tan Ky	Road	SPL I	An Ha - Cay Trai An Ha Road
793	SCC	Quang Nam	Dai Loc	Road	SPL I	An Diem - A So Road
					SPL IV	An Diem - Ka Dang - A So Road
794	SCC	Quang Nam	NA	Road	SPL II	Tran Quy Cap Road
795	SCC	Quang Nam	Nui Thanh	Road	SPL II	An Tan - Ky Ha Road
796	SCC	Quang Nam	Hien	Road	SPL II	Trao - Doc Kien Road
797	SCC	Quang Nam	Tam Ky	Road	SPL III	National Road No.1-An Ha
798	SCC	Quang Nam	Phuoc Son	Road	SPL III	Phuoc Chanh - Phuoc Cong Road
799	SCC	Quang Nam	Dong Giang	Road	SPL IV	Commune road in Ba and Tu communes
800	SCC	Quang Nam	Tien Phuoc	Road	SPL V	Tien Tho - Tien Hiep Road
801	SCC	Quang Nam	Thang Binh	Electricity	SPL I	Binh Chanh Electric
802	SCC	Quang Nam	Dien Quang	Electricity	SPL I	Dien Quang Electric
803	SCC	Quang Nam	Que Son	Electricity	SPL I	Que Ninh Electric
804	SCC	Quang Nam	Dien Quang	Electricity	SPL II	Dien Quang Electric
805	SCC	Quang Nam	Thang Binh	Electricity	SPL II	Binh Duong Commune Electric Line
806	SCC	Quang Nam	Thang Binh	Electricity	SPL II	Binh Dinh Commune Electric Line
807	SCC	Quang Nam	Thang Binh	Electricity	SPL III	Binh Dinh Commune Electric Line
808	SCC	Quang Nam	Dien Ban	Electricity	SPL III	Dien Trung Commune Electric Line
809	SCC	Quang Nam	Thang Binh	Electricity	SPL III	Binh Lanh Commune Electric Line
810	SCC	Quang Nam	Thang Binh	Electricity	SPL IV	Binh Quy Commune Electric Line
811	SCC	Quang Nam	Hiep Duc	Electricity	SPL V	Hiep Duc Electric Network
812	SCC	Quang Nam	Thang Binh	Water Supply	SPL I	Thanh Binh Water Supply System
813	SCC	Quang Nam	Duy Xuyen	Water Supply	SPL IV	Nam Phuoc WSS
814	SCC	Quang Nam	Que Son	Water Supply	SPL V	Dong Phu Pump Station in Que Son and
					SPL V	Dong phu - Que Son WSS (Phase II)
815	SCC	Quang Nam	Que Son, Thang Binh	Irrigation	SPL V	Ho Viet An Irrigation System
816	SCC	Quang Ngai	Son Tinh	Road	SPL I	Son Ha - Son Tay Road
817	SCC	Quang Ngai	Quang Ngai Town	Road	SPL I	La Ha - Thu Xa Road
					SPL II	La Ha - Thu Xa Road
818	SCC	Quang Ngai	NA	Road	SPL II	Quang Ngai - Co Luy Road
819	SCC	Quang Ngai	Son Tay	Road	SPL II	Ca Dao Pass
820	SCC	Quang Ngai	Nghia Hanh, Minh	Road	SPL II	Quang Ngai - Minh Long Road
821	SCC	Quang Ngai	Tra Bong	Road	SPL IV	Tra Bong - Tra Phong Road
822	SCC	Quang Ngai	Minh Long, Son Tra	Road	SPL IV	Long Mon - Son Ky Road
823	SCC	Quang Ngai	Tay Tra	Road	SPL V	Tra Phong - Tra Khe - Tra Bao Road
824	SCC	Quang Ngai	Minh Long	Road	SPL V	Long Mai - Long Hiep - Thanh An Road
825	SCC	Quang Ngai	Tu Nghia	Electricity	SPL I	Tu Nghia Electric
826	SCC	Quang Ngai	Son Tinh	Electricity	SPL I	Tinh Khe Commune Electric
827	SCC	Quang Ngai	Son Ha	Electricity	SPL I	Son Ha Distric Electric Network
828	SCC	Quang Ngai	Ly Son	Electricity	SPL II	Ly Son Island District Electric Network
829	SCC	Quang Ngai	Son Ha	Electricity	SPL II	Son Ha Distric Electric Network
830	SCC	Quang Ngai	Son Tinh	Electricity	SPL II	Tinh Tho Commune Electric Line
831	SCC	Quang Ngai	Binh Son	Electricity	SPL II	Binh Khuong Commune Electric Line
832	SCC	Quang Ngai	Duc Pho	Electricity	SPL II	Pho Cuong Commune Electric Line
833	SCC	Quang Ngai	Tra Bong	Electricity	SPL II	Tra Bong Commune Electric Line
834	SCC	Quang Ngai	Duc Pho	Water Supply	SPL III	Duc Pho WSS
835	SCC	Quang Ngai	Mo Duc	Water Supply	SPL IV	Mo Duc WSS
836	SCC	Quang Ngai	Son Ha	Irrigation	SPL III	Di Lang Irrigation
837	SCC	Quang Ngai	Nghia Hanh	Irrigation	SPL IV	Suoi Chi Irrigation System
838	SCC	Quang Ngai	Mo Duc	Irrigation	SPL IV	Ong Toi Reservoir
839	SCC	Quang Ngai	Son Ha	Irrigation	SPL V	Xa Dieu Commune Dam
840	NE	Quang Ninh	Yen Hung	Road	SPL I	Urban Road (Quang Yen Town)
841	NE	Quang Ninh	Dong Trieu	Road	SPL I	Duc Chinh - An Sinh Road
					SPL II	Duc Chinh - An Sinh Road
842	NE	Quang Ninh	Binh Lieu	Road	SPL I	Hoanh Mo - Dong Van Road
					SPL II	Hoanh Mo - Dong Van Road
					SPL III	Hoanh Mo-Dong Van Road
843	NE	Quang Ninh	Quang Uyen	Road	SPL II	Quang Yen Town Road, 5 Streets
844	NE	Quang Ninh	Quang Uyen	Road	SPL III	Quang Yen Urban Road
845	NE	Quang Ninh	Ha Long City	Electricity	SPL II	Transformer in Westen of Ha Long City
846	NE	Quang Ninh	Dong Trieu	Water Supply	SPL I	Dong Trieu Water Supply System
847	NE	Quang Ninh	Quang ha	Water Supply	SPL III	Quang Ha WSS

Region: NE-North East Mountainous, NW-North West Mountainous, RRD-Red River Delta

NCC-North Central Coast, SCC-South Central Coast, CH-Central Highland, SE-South East, MD-Mekong Delta

Appendix 1.2 Sub-Project (Infrastructure) List

(16/20)

No. for Infrastructure	Region	Province	District	Sector	Phase	Sub-Project
848	NCC	Quang Tri	Huong Hoa	Road	SPL I	Ta Rut - La Lay Road
					SPL II	Ta Rut - La Lay Road
849	NCC	Quang Tri	Dong Ha	Road	SPL I	Dong Ha within City Road
850	NCC	Quang Tri	NA	Road	SPL I	Provincial Road No.64
					SPL II	Provincial Road No.64
851	NCC	Quang Tri	Vinh Linh	Road	SPL I	Ho Xa - Cap Lai Road
					SPL II	Ho Xa - Cap Lai Road
852	NCC	Quang Tri	Dakrong	Road	SPL III	Central Road in Dakrong District
853	NCC	Quang Tri	Dakrong	Road	SPL IV	Ta Rut - A Vao Road
854	NCC	Quang Tri	Dakrong	Road	SPL IV	Ba Long Bridge
855	NCC	Quang Tri	Gio Linh	Road	SPL IV	Eastern 75 Provincial Road
856	NCC	Quang Tri	Gio Linh	Road	SPL IV	Provincial Road No.74
857	NCC	Quang Tri	Cam Lo	Road	SPL IV	Provincial Road No.11
858	NCC	Quang Tri	Huong Hoa	Road	SPL IV	Access road to Ba Tang commune
859	NCC	Quang Tri	Vinh Linh	Road	SPL V	Ho Xa - Vinh Tu - Vinh Thai Road
860	NCC	Quang Tri	Cam Lo	Road	SPL V	Cam An - Cam Thanh Inter-commune
861	NCC	Quang Tri	Vinh Linh	Electricity	SPL I	Vinh Tu Commune Electric
862	NCC	Quang Tri	Cam Lo	Electricity	SPL I	Cam Tuyen Commune Electric
863	NCC	Quang Tri	Trieu Phong	Electricity	SPL I	Trieu Lang Commune Electric
864	NCC	Quang Tri	Gio Linh	Electricity	SPL II	Gio Linh Commune Electric Line
865	NCC	Quang Tri	Huong Hoa	Electricity	SPL II	Huong Hoa Commune Electric Line
866	NCC	Quang Tri	Gio Linh	Electricity	SPL II	Ba Long Commune Electric Line
867	NCC	Quang Tri	Gio Linh	Electricity	SPL III	Gio My Commune Electric Line
868	NCC	Quang Tri	Huong Hoa	Electricity	SPL III	Thanh Commune Electric Line
869	NCC	Quang Tri	Huong Hoa	Electricity	SPL III	A Tuc Commune Electric Line
870	NCC	Quang Tri	Trieu Phong	Electricity	SPL IV	Trieu Thuong Commune Electric Line
871	NCC	Quang Tri	Vinh Linh	Electricity	SPL IV	Electric Network in New Economic area in
872	NCC	Quang Tri	Huong Hoa	Electricity	SPL IV	Huong Hung Commune Electric Line
873	NCC	Quang Tri	Vinh Linh-Cam Lo	Electricity	SPL V	Vinh Linh and Cam Lo Electric Line
874	NCC	Quang Tri	Vinh Linh	Water Supply	SPL I	Ho Xa Water Supply System
875	NCC	Quang Tri	Huong Hoa	Water Supply	SPL I	Lao Bao Water Supply System
876	NCC	Quang Tri	Hai Lang	Water Supply	SPL III	Hai Lang WSS
877	NCC	Quang Tri	Cam Lo	Water Supply	SPL IV	Cam Lo WSS
878	NCC	Quang Tri	Vinh Linh	Water Supply	SPL IV	Ben Quan WSS
879	NCC	Quang Tri	Gio Linh	Water Supply	SPL V	Gio Linh Distric WSS
880	NCC	Quang Tri	Cam Lo	Irrigation	SPL IV	Nghia Hy Reservoir
881	NCC	Quang Tri	Huong Hoa	Irrigation	SPL IV	Lia Irrigation System
882	NCC	Quang Tri	Hai Lang	Irrigation	SPL V	Thac Heo Reservoir
883	MD	Soc Trang	Soc Trang Town	Road	SPL I	Mac Dinh Chi Road
884	MD	Soc Trang	My Xuyen	Road	SPL II	Provincial Road No.8
885	MD	Soc Trang	Long Phu	Road	SPL III	An Thanh 1-An Thanh 3 Road
					SPL III	Thuan Hoa - Phu Tam Road
886	MD	Soc Trang	My Tu	Road	SPL V	Thuan Hoa - Phu Tam road
887	MD	Soc Trang	Vinh Chau	Road	SPL IV	District Road No.31
888	MD	Soc Trang	Thanh Tri	Road	SPL IV	District Road No.17
889	MD	Soc Trang	Nga Nam	Road	SPL V	My Quoi - Roc La Road
890	MD	Soc Trang	Long Phu	Road	SPL V	District Road No.9
891	MD	Soc Trang	Ke Sach	Electricity	SPL I	Cai Tau-Ba Trinh-Trinh Phu Electric
892	MD	Soc Trang	My Tu	Electricity	SPL I	Ho Dac Kien Electric
893	MD	Soc Trang	Ke Sach	Electricity	SPL I	An Lac Tay Commune Electric
894	MD	Soc Trang	Vinh Chau	Electricity	SPL II	Hoa Lac Electric Network
895	MD	Soc Trang	Thanh Tri	Electricity	SPL III	Vinh Loi Commune Electric Line
896	MD	Soc Trang	My Xuyen	Electricity	SPL IV	Electric Network in 9 Communes in My
897	MD	Soc Trang	Ke Sach	Electricity	SPL V	An Lac Tay Commune Electric Line
898	MD	Soc Trang	My Xuyen	Water Supply	SPL IV	My Xuyen WSS
899	MD	Soc Trang	Thanh Tri	Water Supply	SPL V	Phu Loc Town WSS
900	NW	Son La	Son La Town	Road	SPL I	Tinh Uy - Ban Mong Road
					SPL I	Tinh Uy - Ban Mong Road
901	NW	Son La	Son La Town	Road	SPL I	Quyet Thang - Na Cong Road
902	NW	Son La	Mai Son, Song Ma	Road	SPL II	Road No.105, Mai Son - Song Ma Road
903	NW	Son La	Son La Town	Road	SPL III	Inter-commune Road Ban Moong-Muong

Region: NE-North East Mountainous, NW-North West Mountainous, RRD-Red River Delta

NCC-North Central Coast, SCC-South Central Coast, CH-Central Highland, SE-South East, MD-Mekong Delta

Appendix 1.2 Sub-Project (Infrastructure) List

(17/20)

No. for Infrastructure	Region	Province	District	Sector	Phase	Sub-Project
904	NW	Son La	Moc Chau	Road	SPL III	Van Ho - Xuan Nha Road
					SPL V	Van Ho - Xuan Nha Road
905	NW	Son La	Moc Chau	Road	SPL IV	Xuan Nha - Tan Xuan Road
906	NW	Son La	Phu Yen	Road	SPL V	Muong Bang - Dong Nghe Road
907	NW	Son La	Son La Town	Electricity	SPL I	Phieng Tam Commune Electric Line
908	NW	Son La	Thuan Chau	Electricity	SPL I	Phieng Cha Electric Network
909	NW	Son La	Son La Town	Electricity	SPL II	Chieng Pha Commune Electric Line
910	NW	Son La	Mai Son	Electricity	SPL II	Co Noi Commune Electric Line
911	NW	Son La	Son La Town	Electricity	SPL II	Phieng Tam Commune Electric Line
912	NW	Son La	Son La Town	Electricity	SPL III	Chieng Pha Commune Electric Line
913	NW	Son La	Son La Town	Electricity	SPL III	Phieng Tam Commune Electric Line
914	NW	Son La	Thuan Chau	Electricity	SPL III	Chieng Mung-Tong Co-Phieng Tam-
915	NW	Son La	Mai Son	Electricity	SPL III	Co Noi Commune Electric Line
916	NW	Son La	Thuan Chau	Electricity	SPL V	Co Ma Commune Electric Line
917	NW	Son La	Moc Chau	Water Supply	SPL III	Moc Chau Water Supply System
918	NW	Son La	Sop Cop	Water Supply	SPL V	Sop Cop Town WSS
919	SE	Tay Ninh	NA	Road	SPL I	Sa Mat-Military Head Quarter of the South
920	SE	Tay Ninh	Tay Ninh	Road	SPL II	Cau Gia-Binh Minh, Provincial Road No.3
921	SE	Tay Ninh	Tan Bien-Tan Chau	Road	SPL II	Road No.792
					SPL III	Road No.792 (Tan Bien-Tan Chau)
922	SE	Tay Ninh	Tan Chau	Electricity	SPL I	Tan Hoa-Suoi Ngo Electric Network
923	SE	Tay Ninh	Tay Ninh	Electricity	SPL II	Binh Minh Commune Electric Line
924	SE	Tay Ninh	Tan Bien	Electricity	SPL II	Tan Lap Commune Electric Line
925	SE	Tay Ninh	Trang Bang	Electricity	SPL II	An Thinh Commune Electric Line
926	SE	Tay Ninh	Go Dau	Water Supply	SPL III	Go Dau WSS
927	RRD	Thai Binh	NA	Road	SPL I	Road No.224
928	RRD	Thai Binh	NA	Road	SPL I	Gia Le - Ben Ho Road
929	RRD	Thai Binh	Tien Hai	Road	SPL I	Road No.39B - Tien Hai District Section
			Thai Thuy		SPL II	Road No.39B
					SPL III	Road No.39B
930	RRD	Thai Binh	Vu Thu, Hung Ha	Road	SPL II	Road No.223, Vu Thu - Hung Ha Road
					SPL II	Provincial Road No.223
			Vu Thu		SPL III	Road No.223
931	RRD	Thai Binh	Vinh Bao	Road	SPL II	Road No.17
932	RRD	Thai Binh	Vu Thu	Electricity	SPL I	Vu Thu Electric Network
933	RRD	Thai Binh	Tien Hai	Electricity	SPL I	Tien Hai Electric Network
934	RRD	Thai Binh	Kien Xuong	Electricity	SPL I	Kien Xuong Electric Network
935	RRD	Thai Binh	Tien Hai	Electricity	SPL II	Tien Hai Electric Network
936	RRD	Thai Binh	Hung Ha	Electricity	SPL II	Hung Ha Electric Network
937	RRD	Thai Binh	Thai Thuy	Electricity	SPL II	Diem Dien Electric Network
938	RRD	Thai Binh	Dong Hung	Electricity	SPL II	Dong Hung Electric Network
939	RRD	Thai Binh	Quynh Coi	Electricity	SPL II	Quynh Coi Electric Network
940	RRD	Thai Binh	Kien Xuong	Water Supply	SPL III	Kien Xuong WSS
941	NE	Thai Nguyen	Dinh Hoa	Road	SPL I	Road No.254 Cho Chu - Deo So Road
942	NE	Thai Nguyen	Thai Nguyen City	Road	SPL I	Road No.74B Phan Dinh Phung Road
943	NE	Thai Nguyen	Vo Nhai	Road	SPL I	Dinh Ca - Khuon Manh Road
944	NE	Thai Nguyen	Thai Nguyen City	Road	SPL II	CMT 8 Road
					SPL III	Cach Mang Thang Tam Road
945	NE	Thai Nguyen	Dinh Hoa	Road	SPL III	Phuc Chu - Bao Linh Road
946	NE	Thai Nguyen	Dinh Hoa	Road	SPL III	Na Guong - Dong Thinh Road
947	NE	Thai Nguyen	Dinh Hoa	Road	SPL IV	Tan Duong - Phuung Tien - Trung Hoi
948	NE	Thai Nguyen	Dai Tu	Road	SPL V	Hung Son - Tan Linh - Phu Lac - Duc
949	NE	Thai Nguyen	Dai Tu	Road	SPL V	Phuc Luong - Minh Tien Inter-commune
950	NE	Thai Nguyen	Dinh Hoa	Electricity	SPL I	Dinh Hoa Electric Line
951	NE	Thai Nguyen	Dong Hy	Electricity	SPL I	Van Han Electric Line
952	NE	Thai Nguyen	Dinh Hoa	Electricity	SPL II	ATK Area Electric Line
953	NE	Thai Nguyen	Dai Tu	Electricity	SPL II	Ky Phu Commune Electric Line
954	NE	Thai Nguyen	Dong Hy	Electricity	SPL II	Van Han Commune Electric Line
955	NE	Thai Nguyen	Vo Nhai	Electricity	SPL II	Phu Thuong Commune Electric Line
956	NE	Thai Nguyen	Pho Yen	Electricity	SPL IV	Tan Phu Commune Electric Line
957	NE	Thai Nguyen	Phu Binh	Electricity	SPL V	Tan Khanh-Phu Binh Commune Electric

Region: NE-North East Mountainous, NW-North West Mountainous, RRD-Red River Delta

NCC-North Central Coast, SCC-South Central Coast, CH-Central Highland, SE-South East, MD-Mekong Delta

Appendix 1.2 Sub-Project (Infrastructure) List

(18/20)

No. for Infrastructure	Region	Province	District	Sector	Phase	Sub-Project
958	NE	Thai Nguyen	Dai Tu	Water Supply	SPL IV	Dai Tu WSS
959	NE	Thai Nguyen	Dong Hy	Water Supply	SPL V	Trai Cau Town WSS
960	NE	Thai Nguyen	Pho Yen, Phu Binh	Irrigation	SPL IV	Ho Nui Coc Irrigation Canal
961	NE	Thai Nguyen	Dinh Hoa	Irrigation	SPL IV	Ho Bao Linh irrigation Canal
962	NE	Thai Nguyen	Dong Hy	Irrigation	SPL V	Minh Lap-Hoa Thuong Irrigation System
963	NCC	Thanh Hoa	Ha Trung	Road	SPL I	Ha Trung - Ha Lai Road
964	NCC	Thanh Hoa	Tinh Gia	Road	SPL I	Urban Road Tinh Gia Town
965	NCC	Thanh Hoa	Quang Xuong	Road	SPL I	Quang Ngoc - Quang Vong - Quang Phuc
966	NCC	Thanh Hoa	NA	Road	SPL II	Phan Chu Trinh Road
967	NCC	Thanh Hoa	Quang Xuong	Road	SPL II	Dong Quang-Dong Van-Dong Vinh Roac
			Dong Son		SPL III	Dong Van-Dong Quang-Dong Vinh Roac
968	NCC	Thanh Hoa	Thieu Hoa	Road	SPL II	Thieu Phu - Thieu Quang Road
					SPL III	Thieu Phu-Thieu Quang Road
969	NCC	Thanh Hoa	Tinh Gia, Bim Son, Hoang Hoa	Road	SPL II	Tinh Gia - Bim Son - Hoang Hoa Road
970	NCC	Thanh Hoa	Yen Dinh	Road	SPL II	Dinh Lien - Yen Hung Road
					SPL III	Dinh Lien-Yen Hung Road
971	NCC	Thanh Hoa	Ha Trung	Road	SPL III	Xuan Thang - Van Xuan Road
972	NCC	Thanh Hoa	Cam Thuy	Road	SPL IV	Cam Van - Cam Yen - Cam Son Road
973	NCC	Thanh Hoa	Nhu Thanh	Road	SPL IV	Road from NR 45 to Yen Lac Commune
974	NCC	Thanh Hoa	NA	Road	SPL V	Road from Do Trap bridge to Hai Ninh
975	NCC	Thanh Hoa	Quan Hoa	Road	SPL V	Hoi Xuan Town - Phu Nghiem Road
976	NCC	Thanh Hoa	Ngoc Lac	Electricity	SPL I	My Tan Ngoc Khe Electric Line
977	NCC	Thanh Hoa	Nhu Xuan	Electricity	SPL I	Hoa Quy Commune Electric Line
978	NCC	Thanh Hoa	Truong Xuan	Electricity	SPL I	Xuan Cam Electric line
979	NCC	Thanh Hoa	Thieu Hoa	Electricity	SPL II	Dong Khanh Trade Center Electric Line
980	NCC	Thanh Hoa	Yen Dinh	Electricity	SPL II	Yen Ninh Commune Electric Line
981	NCC	Thanh Hoa	Yen Dinh	Electricity	SPL II	Yen Hung Commune Electric Line
982	NCC	Thanh Hoa	Tinh Gia	Electricity	SPL II	Truong Lam Commune Electric Line
983	NCC	Thanh Hoa	Cam Thuy	Electricity	SPL II	Cam Long Commune Electric Line
984	NCC	Thanh Hoa	Tinh Gia	Electricity	SPL II	Dinh Hai Commune Electric Line
985	NCC	Thanh Hoa	Tho Xuan	Electricity	SPL IV	Quang Phu Commune Electric Line
986	NCC	Thanh Hoa	Ha Trung	Water Supply	SPL III	Ha Trung WSS
987	NCC	Thanh Hoa	Nhu Thanh	Water Supply	SPL IV	Nhu Thanh WSS
988	NCC	Thanh Hoa	Thuong Xuan	Water Supply	SPL IV	Thuong Xuan WSS
989	NCC	Thanh Hoa	Dong Son	Water Supply	SPL IV	Rung Thong WSS
990	NCC	Thanh Hoa	Tho Xuan	Water Supply	SPL IV	Tho Xuan WSS
991	NCC	Thanh Hoa	Hau Loc	Water Supply	SPL V	Hau Loc WSS
992	NCC	Thanh Hoa	Quang Xuong	Irrigation	SPL III	Quang Xuong Irrigation
993	NCC	Thanh Hoa	Hau Loc	Irrigation	SPL III	Quang Loc Irrigation
994	NCC	Thanh Hoa	Thach Thanh	Irrigation	SPL III	Vung Su Reservoir
995	NCC	Thanh Hoa	Cam Thuy	Irrigation	SPL IV	Duong Coc Reservoir
996	NCC	Thanh Hoa	Vinh Loc	Irrigation	SPL IV	Ben Da-Nui Trac PS
997	NCC	Thanh Hoa	Thach Thanh	Irrigation	SPL V	Long Dong Irrigation Canal
998	NCC	Thua-Thien Hue	NA	Road	SPL I	Provincial Road No.68B
					SPL II	Provincial Road No.68
999	NCC	Thua-Thien Hue	NA	Road	SPL I	Provincial Road No.4
					SPL II	Provincial Road No.4
1000	NCC	Thua-Thien Hue	NA	Road	SPL I	Cong Chem - Cua Hau Road
					SPL II	Cong Chem - Cua Hau Road
1001	NCC	Thua-Thien Hue	Phu Vang	Road	SPL V	Phu Xuan - Phu Da Inter-Commune Road
1002	NCC	Thua-Thien Hue	Huong Tra	Electricity	SPL I	Hai Duong Commune Electric Network
1003	NCC	Thua-Thien Hue	Phu Vang	Electricity	SPL I	Phu Dien Commune Electric Network
1004	NCC	Thua-Thien Hue	Phu Loc	Electricity	SPL I	Loc Vinh Commune Electric Network
1005	NCC	Thua-Thien Hue	Phu Vang	Electricity	SPL II	Vinh Ha Commune Electric Line
1006	NCC	Thua-Thien Hue	Huong Thuy	Electricity	SPL II	Duong Hoa War Zone Electric Line
1007	NCC	Thua-Thien Hue	Phu Vang	Electricity	SPL II	Vinh Thai Commune Electric Line
1008	NCC	Thua-Thien Hue	Huong Tra	Electricity	SPL II	Binh Dien Commune Electric Line
1009	NCC	Thua-Thien Hue	Phu Loc	Electricity	SPL II	Vinh My Commune Electric Line
1010	NCC	Thua-Thien Hue	Phong Dien	Electricity	SPL II	Bac Hien Commune Electric Line
1011	NCC	Thua-Thien Hue	Phu Loc	Electricity	SPL V	Electric Line in area 3 of Phu Loc Distric

Region: NE-North East Mountainous, NW-North West Mountainous, RRD-Red River Delta

NCC-North Central Coast, SCC-South Central Coast, CH-Central Highland, SE-South East, MD-Mekong Delta

Appendix 1.2 Sub-Project (Infrastructure) List

(19/20)

No. for Infrastructure	Region	Province	District	Sector	Phase	Sub-Project
1012	NCC	Thua-Thien Hue	NA	Water Supply	SPL I	Chan My Water Supply System
1013	NCC	Thua-Thien Hue	Phu Bai	Water Supply	SPL III	Phu Bai WSS
1014	NCC	Thua-Thien Hue	Nam Dong	Water Supply	SPL V	Khe Tre WSS
1015	NCC	Thua-Thien Hue	Phong Dien-Quang	Irrigation	SPL III	Phong Chuong-Cua Lac Irrigation System
1016	NCC	Thua-Thien Hue	Phong Dien	Irrigation	SPL V	Dien Hoa-Dien Hai Irrigation System
1017	MD	Tien Giang	Cho Gao Town	Road	SPL I	Cho Gao Town Road
1018	MD	Tien Giang	NA	Road	SPL I	Provincial Road No.867(Tan Phuoc-Chau
1019	MD	Tien Giang	NA	Road	SPL II	Provincial Road No.871
1020	MD	Tien Giang	Go Cong	Road	SPL III	Provincial Road No.862
1021	MD	Tien Giang	NA	Electricity	SPL I	Phu Tan Electric
1022	MD	Tien Giang	Tan Thoi	Electricity	SPL I	Tan Thoi Electric
1023	MD	Tien Giang	NA	Electricity	SPL I	Long Hung Electric
1024	MD	Tien Giang	NA	Electricity	SPL II	Tan Thoi Commune Electric Line
1025	MD	Tien Giang	NA	Electricity	SPL II	Thanh My Commune Electric Line
1026	MD	Tien Giang	NA	Electricity	SPL II	Binh Xuan Commune Electric Line
1027	MD	Tien Giang	Cai Be	Electricity	SPL III	My Loi A Commune Electric Line
1028	MD	Tien Giang	Cai Lay	Electricity	SPL III	Tan Hoi Commune Electric Line
1029	MD	Tien Giang	Chau Thanh	Electricity	SPL III	Diem Hy Commune Electric Line
1030	MD	Tra Vinh	Tra Vinh Township	Road	SPL I	Urban Road of Tra Vinh Township, 30Rds.
1031	MD	Tra Vinh	Tra Vinh Township	Road	SPL II	Urban Road of Tra Vinh Township, 28Rds.
1032	MD	Tra Vinh	Tieu Can	Road	SPL II	Provincial Road No.912
					SPL III	Provincial Road No.912
					SPL IV	Provincial Road No.912
1033	MD	Tra Vinh	Cau Ngang	Road	SPL III	Thanh Son - Hiep My Dong Road
1034	MD	Tra Vinh	Cang Long, Chau	Road	SPL IV	District Road No.8 & At Ech Bridge
1035	MD	Tra Vinh	Cau Ke	Road	SPL IV	Bo Xe and Thanh Phu bridges in Road No.
1036	MD	Tra Vinh	Cang Long, Tra Cu, Tieu Can	Road	SPL V	Access roads to center of Huyen Hoi, Kim Son, Tan Hoa, Dai Phuc communes
1037	MD	Tra Vinh	NA	Electricity	SPL I	Ham Giang Electric Network
1038	MD	Tra Vinh	NA	Electricity	SPL II	Ham Giang Electric Network
1039	MD	Tra Vinh	NA	Electricity	SPL III	Cau Quan Commune Electric Line
1040	MD	Tra Vinh	Duyen Hai	Electricity	SPL III	Long Toan Commune Electric Line
1041	MD	Tra Vinh	Cau Ke	Electricity	SPL III	Hoa An Commune Electric Line
1042	MD	Tra Vinh	Cang Long	Electricity	SPL III	My Cam Commune Electric Line
1043	MD	Tra Vinh	Tieu Can	Water Supply	SPL IV	Cau Quan WSS
1044	MD	Tra Vinh	Cau Ke	Water Supply	SPL IV	Cau Ke WSS
1045	MD	Tra Vinh	Cau Ngang	Water Supply	SPL V	Widening and Upgrading Treatment
1046	MD	Tra Vinh	Cang Long	Irrigation	SPL IV	Khu B1-Lang The Irrigation Canal
1047	MD	Tra Vinh	Chau Thanh	Irrigation	SPL V	Lang The Irrigation Canal
1048	NE	Tuyen Quang	Ham Yen-Chiem Hoa	Road	SPL I	Provincial Road 176 (km0-km23.5)
			Chiem Hoa-Na Hang		SPL II	Provincial Road 176 (km39-km58.055)
					SPL III	Provincial Road 176
1049	NE	Tuyen Quang	Ham Yen	Road	SPL III	Khau Lang - Cao Duong Road
1050	NE	Tuyen Quang	Chiem Hoa	Road	SPL IV	Phuc Thinh - Trung Ha Road
1051	NE	Tuyen Quang	Na Hang	Road	SPL IV	Thuong Lam - Lang Can Road
1052	NE	Tuyen Quang	Chiem Hoa	Road	SPL V	Duc Thinh - Hoa An Road
1053	NE	Tuyen Quang	Yen Son	Road	SPL V	Tu Quan Quy Quan Road
1054	NE	Tuyen Quang	Tuyen Quan Town	Electricity	SPL I	Tuyen Quang Town-Dao Vien-Dong De
1055	NE	Tuyen Quang	Yen Son	Electricity	SPL I	Trung Son-Trung Yen Electric Network
1056	NE	Tuyen Quang	Chiem Hoa	Electricity	SPL II	35KV-Ngoc Hoi-Kien Dai Electric Line
1057	NE	Tuyen Quang	Chiem Hoa	Electricity	SPL II	35KV-Quang Linh-Tri Phi-Linh Phu
1058	NE	Tuyen Quang	Chiem Hoa	Electricity	SPL III	Vinh Quang - Binh Nhan Transformer and
1059	NE	Tuyen Quang	Ham Yen	Electricity	SPL III	Tan Yen-Bach Nha Transformer and
1060	NE	Tuyen Quang	Son Duong	Electricity	SPL IV	Electric Line and Transformer in Binh Yen
1061	NE	Tuyen Quang	Yen Son	Electricity	SPL V	Construction TFS Station in Hung Loi-
1062	NE	Tuyen Quang	Tuyen Hoa	Irrigation	SPL IV	Minh An Pump Station
1063	NE	Tuyen Quang	Chiem Hoa	Irrigation	SPL V	Irrigation System in Yen Lap Commune
1064	MD	Vinh Long	NA	Road	SPL I	Mau Than Road
1065	MD	Vinh Long	NA	Road	SPL I	Hung Dao Vuong Road
1066	MD	Vinh Long	Tam Binh, Tra On	Road	SPL II	Provincial Road No.33(Tam Binh-Tra On)
1067	MD	Vinh Long	Vung Liem, Long Ho	Road	SPL II	Provincial Road No.31(Vung Liem-Long

Region: NE-North East Mountainous, NW-North West Mountainous, RRD-Red River Delta

NCC-North Central Coast, SCC-South Central Coast, CH-Central Highland, SE-South East, MD-Mekong Delta

Appendix 1.2 Sub-Project (Infrastructure) List

(20/20)

No. for Infrastructure	Region	Province	District	Sector	Phase	Sub-Project
1068	MD	Vinh Long	Long Ho	Road	SPL III	Long Ho-Cai Ngang Road
1069	MD	Vinh Long	Long Ho	Electricity	SPL I	Phu Duc Electric
1070	MD	Vinh Long	Binh Minh	Electricity	SPL I	KhanhTiet-Khanh Tu-Thuan An Electric
1071	MD	Vinh Long	Vung Liem	Electricity	SPL II	Trung An-Aa Kinh Commune Electric Line
1072	MD	Vinh Long	Vung Liem	Electricity	SPL II	Trung An Phu Cuong Commune Electric
1073	MD	Vinh Long	Tra On	Water Supply	SPL III	Tra On WSS
1074	MD	Vinh Long	Tam Binh	Water Supply	SPL V	Cai Ngang WSS
1075	MD	Vinh Long	Tra On	Irrigation	SPL V	Rach Tra-Thien My Irrigation Canal
1076	RRD	Vinh Phuc	Vinh Yen City	Road	SPL I	Urban Road (Vinh Yen Town)
1077	RRD	Vinh Phuc	NA	Road	SPL I	Luc Ha - Tay Thien Road
1078	RRD	Vinh Phuc	Yen Lac	Road	SPL I	Quan Tien - Lung Ha Road
1079	RRD	Vinh Phuc	Phuc Yen	Road	SPL I	Road to Hai Ba Trung Temple
1080	RRD	Vinh Phuc	Vinh Tuong	Road	SPL II	Road No.304(Vu Di - Hoi Thinh)
					SPL III	Road No.304 (Hoi Thinh-Vu Di-Vinh)
1081	RRD	Vinh Phuc	Binh Xuyen	Road	SPL II	Road around Dai Lai Lake
1082	RRD	Vinh Phuc	Binh Xuyen	Road	SPL II	Trung My - Huong Canh Road
					SPL III	Huong Canh-Trung My Road
1083	RRD	Vinh Phuc	Lap Thach	Road	SPL II	Quang Yen - Phu Hau Road
1084	RRD	Vinh Phuc	Vinh Tuong	Road	SPL II	Vu Di-Tu Trung-Dai Tu Road
					SPL III	Vu Di-Dai Tu Road
1085	RRD	Vinh Phuc	TC-GB	Road	SPL III	Road No.303B
1086	RRD	Vinh Phuc	Lap Thach	Road	SPL IV	Ngoc My - Quang Son Road
1087	RRD	Vinh Phuc	Binh Xuyen	Road	SPL V	Thien Ke - Trung My - Thanh Lanh dike
1088	RRD	Vinh Phuc	Lap Thach	Electricity	SPL I	Quang Son Electric Line
1089	RRD	Vinh Phuc	Lap Thach	Electricity	SPL I	Xuan Hoa Electric Line
1090	RRD	Vinh Phuc	Yen Lac Town	Electricity	SPL I	Yen Lac Town Electric Line
1091	RRD	Vinh Phuc	Tam Dao	Electricity	SPL II	Huong Dao Commune Electric Line
1092	RRD	Vinh Phuc	Vinh Tuong	Electricity	SPL II	NguKiem-VinhThinh Commune Electric
1093	RRD	Vinh Phuc	Tam Dao	Electricity	SPL II	Bo Ly Commune Electric Line
1094	RRD	Vinh Phuc	Lap Thach	Electricity	SPL IV	Electric Network in 4 Communes in Lap
1095	RRD	Vinh Phuc	Tam Duong	Electricity	SPL IV	Electric Network in 6 Communes in Tam
1096	RRD	Vinh Phuc	Yen Lac	Water Supply	SPL III	Yen Lac WSS
1097	RRD	Vinh Phuc	Vinh Tuong	Water Supply	SPL V	Vinh Tuong WSS
1098	RRD	Vinh Phuc	Lap Thach	Irrigation	SPL V	Don Nhan Irrigation System
1099	NE	Yen Bai	Ha Giang Town	Road	SPL I	Nguyen Thai Hoc Road
					SPL II	Nguyen Thai Hoc Road
1100	NE	Yen Bai	Tran Yen	Road	SPL I	Yen Bai - Khe Sang Road
					SPL I	Yen Bai - Khe Sang Road
					SPL II	Yen Bai - Khe Sang(Yen Bai - Mau A)
					SPL III	Yen Bai Khe Sang Road
1101	NE	Yen Bai	Tran Yen	Road	SPL IV	Yen Bai - Khe Sang Road
					SPL II	Huong Ly - Van Phu Road
1102	NE	Yen Bai	Tram Tau	Road	SPL II	Van Chan - Tram Tau Road
1103	NE	Yen Bai	Van Yen	Road	SPL V	Dong An - Phong Du Ha Road
1104	NE	Yen Bai	Yen Binh	Road	SPL V	Hoang Thi Road
1105	NE	Yen Bai	Van Chan	Electricity	SPL I	Nghia Tam Commune Electric Line
1106	NE	Yen Bai	Van Chan	Electricity	SPL II	Nghia Tam Commune Electric Line
1107	NE	Yen Bai	Tram Tau	Electricity	SPL III	Phinh Ho Commune Electric Line
1108	NE	Yen Bai	Tran Yen	Electricity	SPL III	Cuong Thinh Commune Electric Line
1109	NE	Yen Bai	Tran Yen	Electricity	SPL III	Minh Quan Commune Electric Line
1110	NE	Yen Bai	Van Chan	Electricity	SPL III	Nghia Loi Commune Electric Line
1111	NE	Yen Bai	Van Chan	Electricity	SPL III	Tan Thinh Commune Electric Line
1112	NE	Yen Bai	Luc Yen	Electricity	SPL V	Lam Thuong Electric Network
1113	NE	Yen Bai	Van Yen	Water Supply	SPL III	Mau A Water Supply System
1114	NE	Yen Bai	Tram Tau	Water Supply	SPL V	Tram Tam Town WSS
1115	NE	Yen Bai	Van Chan	Irrigation	SPL V	Khe The Irrigation System

Region: NE-North East Mountainous, NW-North West Mountainous, RRD-Red River Delta

NCC-North Central Coast, SCC-South Central Coast, CH-Central Highland, SE-South East, MD-Mekong Delta

Appendix 1.3 Number of Sub-Projects and Infrastructures by Province

(1/2)

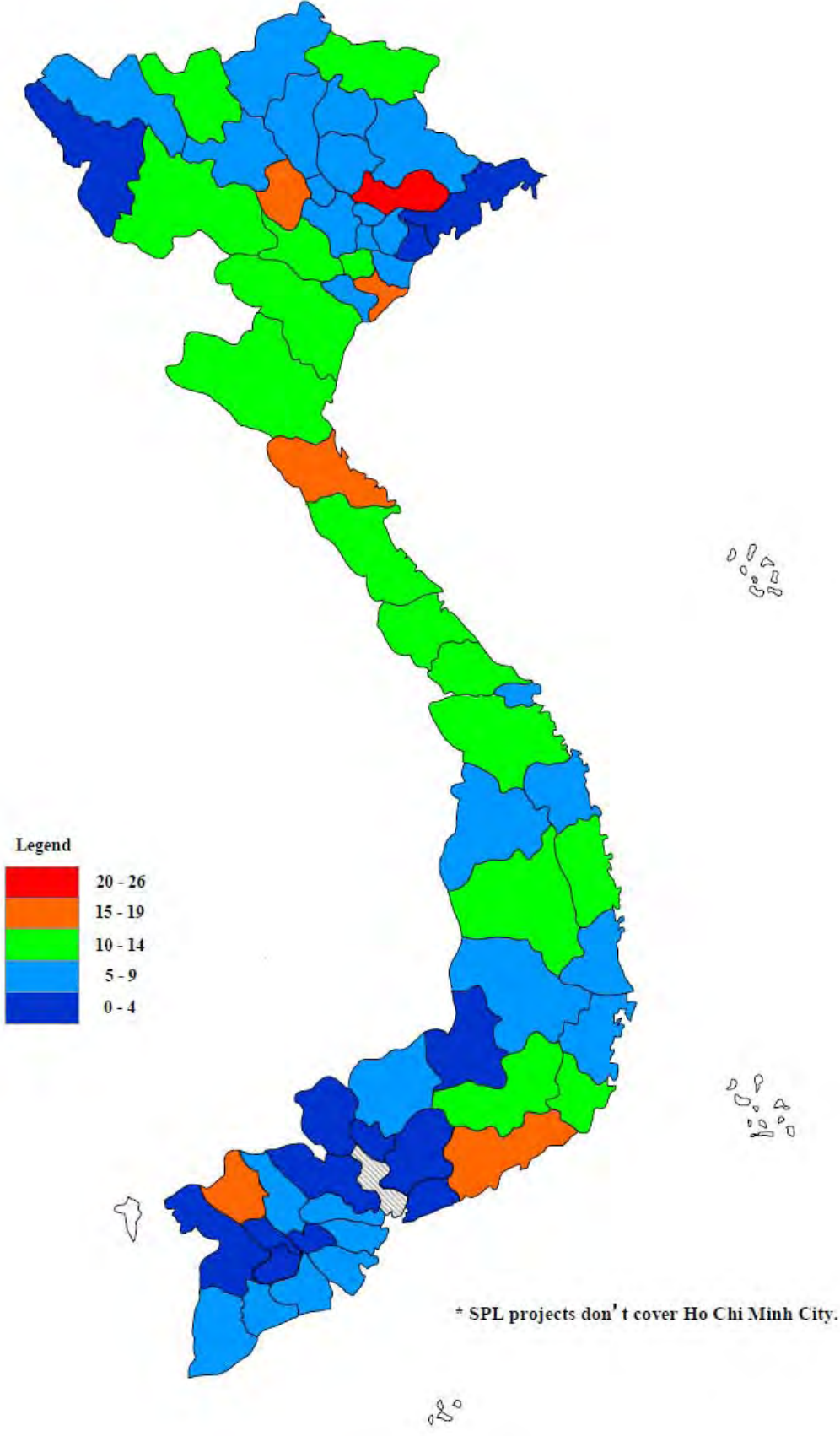
Province	Road		Electricity Distribution		Water Supply		Irrigation		Total	
	sub-project	infra-structure	sub-project	infra-structure	sub-project	infra-structure	sub-project	infra-structure	sub-project	infra-structure
An Giang	4	4	16	16	1	1	0	0	21	21
Ba Ria Vung Tau	3	2	4	4	0	0	0	0	7	6
Bac Giang	10	8	23	23	1	1	1	1	35	33
Bac Kan	13	11	5	5	1	1	3	3	22	20
Bac Lieu	5	4	6	6	1	1	1	1	13	12
Bac Ninh	10	9	8	8	1	1	0	0	19	18
Ben Tre	5	3	5	5	0	0	0	0	10	8
Binh Dinh	6	6	11	11	1	1	4	4	22	22
Binh Duong	1	1	4	4	0	0	0	0	5	5
Binh Phuoc	7	4	7	7	0	0	0	0	14	11
Binh Thuan	7	5	15	15	0	0	0	0	22	20
Ca Mau	6	4	6	6	2	4	1	1	15	15
Can Tho	4	3	0	0	0	0	0	0	4	3
Cao Bang	11	8	13	13	0	0	1	1	25	22
Da Nang	2	2	7	7	0	0	0	0	9	9
Dac Lak	10	9	9	9	2	2	5	5	26	25
Dak Nong	4	4	4	4	0	0	2	2	10	10
Dien Bien	11	7	1	1	3	3	1	1	16	12
Dong Nai	2	2	0	0	0	0	0	0	2	2
Dong Thap	4	3	8	8	1	1	1	1	14	13
Gia Lai	8	7	11	11	2	2	3	3	24	23
Ha Giang	11	8	5	5	3	3	1	1	20	17
Ha Nam	12	9	11	11	0	0	0	0	23	20
Ha Noi (Ha Tay)	11	8	8	8	1	1	0	0	20	17
Ha Tinh	17	14	26	26	6	5	7	7	56	52
Hai Duong	8	6	8	8	1	1	0	0	17	15
Hai Phong	9	8	1	1	1	1	0	0	11	10
Hau Giang	1	1	4	4	1	1	0	0	6	6
Hoa Binh	8	4	11	11	0	0	2	2	21	17
Hung Yen	11	10	7	7	0	0	0	0	18	17
Khanh Hoa	2	2	8	8	0	0	0	0	10	10
Kien Giang	5	5	4	4	1	1	0	0	10	10
Kon Tum	6	4	7	7	3	3	2	2	18	16
Lai Chau	7	6	7	7	3	4	1	1	18	18
Lam Dong	8	7	11	11	2	2	2	2	23	22
Lang Son	9	6	8	8	1	1	1	1	19	16
Lao Cai	11	6	14	14	2	2	2	2	29	24
Long An	4	3	3	3	0	0	0	0	7	6
Nam Dinh	14	11	15	15	0	0	0	0	29	26
Nghe An	15	13	13	13	4	4	4	4	36	34
Ninh Binh	15	12	9	9	1	1	1	1	26	23
Ninh Thuan	8	6	11	11	1	1	3	3	23	21
Phu Tho	16	14	19	19	5	5	5	5	45	43
Phu Yen	7	5	9	9	2	2	4	3	22	19
Quang Binh	8	7	10	10	2	2	1	1	21	20
Quang Nam	12	11	11	11	4	3	1	1	28	26
Quang Ngai	10	9	9	9	2	2	4	4	25	24
Quang Ninh	8	5	1	1	2	2	0	0	11	8
Quang Tri	16	13	13	13	6	6	3	3	38	35
Soc Trang	9	8	7	7	2	2	0	0	18	17
Son La	9	7	10	10	2	2	0	0	21	19

Appendix 1.3 Number of Sub-Projects and Infrastructures by Province

(2/2)

Province	Road		Electricity Distribution		Water Supply		Irrigation		Total	
	sub-project	infra-structure	sub-project	infra-structure	sub-project	infra-structure	sub-project	infra-structure	sub-project	infra-structure
Tay Ninh	4	3	4	4	1	1	0	0	9	8
Thai Binh	9	5	8	8	1	1	0	0	18	14
Thai Nguyen	10	9	8	8	2	2	3	3	23	22
Thanh Hoa	16	13	10	10	6	6	6	6	38	35
Thua-Thien Hue	7	4	10	10	3	3	2	2	22	19
Tien Giang	4	4	9	9	0	0	0	0	13	13
Tra Vinh	9	7	6	6	3	3	2	2	20	18
Tuyen Quang	8	6	8	8	0	0	2	2	18	16
Vinh Long	5	5	4	4	2	2	1	1	12	12
Vinh Phuc	15	12	8	8	2	2	1	1	26	23
Yen Bai	11	6	8	8	2	2	1	1	22	17
Total	518	408	526	526	96	97	85	84	1225	1115

Appendix 3.1 Distribution of the Number of Infrastructures



Electricity Distribution Sector

Appendix 3.2 Record of Receiving the Replies to the Questionnaires

Province	Road Sector			Electricity Sector			Water Supply Sector			Irrigation Sector		
	Total.Sub-project.No	Total Rep	Sub-project III-V	Total.Sub-project.No	Total Rep	Sub-project III-V	Total.Sub-project.No	Total Rep	Sub-project III-V	Total.Sub-project.No	Total Rep	Sub-project III-V
An Giang	4	4	1	16	4	4	1	1	1	0	0	0
Ba Ria V.Tau	3	3	1	4		4				0	0	0
Bac Giang	10	7	2	23	5	5	1	1	1	1	1	1
Bac Kan	13	8	7	5		3	1	1	1	3	3	3
Bac Lieu	5	5	3	6		4	1	1	1	1	1	1
Bac Ninh	10	1	2	8		0	1	1	1	0	0	0
Ben Tre	5	2	2	5	3	3				0	0	0
Binh Dinh	6	6	1	11		5	1	1	1	4	3	4
Binh Duong	1		0	4		2				0	0	0
Binh Phuoc	6	5	2	7	5	4				0	0	0
Binh Thuan	7	6	2	15		4				0	0	0
Ca Mau	5	2	2	6	6	4	2	2	2	1	1	1
Can Tho	4	4	0	0	0	0				0	0	0
Cao Bang	11	9	7	13	13	10				1	1	1
Da Nang	2	2	0	7		4				0	0	0
Dac Lak	10	10	6	9	3	3	2	2	1	5	5	5
Dak Nong	4	4	4	4		2				2		2
Dien Bien	11	11	8	1		0	3	3	3	1	1	1
Dong Nai	2	2	1	0	0	0				0	0	0
Dong Thap	4	4	2	8		4	1	1	1	1	1	1
Gia Lai	7	7	4	8	1	4	2	1	1	3	2	3
Ha Giang	11	3	5	5	2	3	3	3	2	1	1	1
Ha Nam	12	4	3	11		0				0	0	0
Ha Noi	12		2	8		0	1	1	1	0	0	0
Ha Tinh	17	17	8	26		5	5	3	4	7	1	7
Hai Duong	8	6	1	8		0	1	1	1	0	0	0

Appendix 3.2 Record of Receiving the Replies to the Questionnaires

Province	Road Sector			Electricity Sector			Water Supply Sector			Irrigation Sector		
	Total.Sub-project.No	Total Rep	Sub-project III-V	Total.Sub-project.No	Total Rep	Sub-project III-V	Total.Sub-project.No	Total Rep	Sub-project III-V	Total.Sub-project.No	Total Rep	Sub-project III-V
Hai Phong	9	9	2	1		0	0	1	1	1	0	0
Hau Giang	1		1	4		1		1	1	1	0	0
Hoa Binh	7	7	3	11	4	4	3				2	2
Hung Yen	11		4	7		0	0				0	0
Khanh Hoa	2	2	0	8		3					0	0
Kien Giang	5	5	2	4		1		1	1	1	0	0
Kon Tum	6	6	2	6		4		3			2	
Lai Chau	7	7	5	4	2	2	2	3	3	3	1	1
Lam Dong	8	8	3	11		4		2	2	1	2	0
Lang Son	9	9	5	8	1	4	1	1	1	1	1	1
Lao Cai	11	11	6	17	15	5	5	2	2	2	2	2
Long An	4		0	3		0	0				0	0
Nam Dinh	14	11	3	15		0	0				0	0
Nghe An	15	4	8	13		7		4	1	3	4	4
Ninh Binh	15	9	4	9		0	0	1		0	1	1
Ninh Thuan	8	7	4	11		4		1		1	3	3
Phu Tho	16	16	9	19	5	5	5	5	4	4	5	5
Phu Yen	7	7	4	9	1	3	1	2	2	2	4	1
Quang Binh	8	8	2	10	1	1	1	2	2	2	1	1
Quang Nam	12	12	5	11		5		4		3	1	1
Quang Ngai	10	10	4	9		0		2	2	2	4	4
Quang Ninh	8	8	2	1		0	0	2	2	1	0	0
Quang Tri	16	15	9	13	8	7	7	6	4	4	3	3
Soc Trang	9	5	7	7	4	3	3	2	2	2	0	0
Son La	9		5	10		5		2	2	2	0	0
Tay Ninh	4		1	4		0	0	1	1	1	0	0

Appendix 3.2 Record of Receiving the Replies to the Questionnaires

Province	Road Sector			Electricity Sector			Water Supply Sector			Irrigation Sector		
	Total.Sub-project.No	Total Rep III-V	Sub-project III-V	Total.Sub-project.No	Total Rep III-V	Sub-project III-V	Total.Sub-project.No	Total Rep III-V	Sub-project III-V	Total.Sub-project.No	Total Rep III-V	Sub-project III-V
Thai Binh	9		2	8		0	1		1	0		0
Thai Nguyen	10	7	6	8	4	2	2	2	2	3		3
Thanh Hoa	16	6	8	10	4	1	6	2	6	6	2	6
Thua-Thien Hue	7	7	1	10	1	1	3	3	2	2	1	2
Tien Giang	4	3	1	9	1	3				0		0
Tra Vinh	9	7	6	6	6	4	3	2	3	2	1	2
Tuyen Quang	8	6	6	8	4	4				2		2
Vinh Long	5	5	1	4	1	0	2	2	2	1		1
Vinh Phuc	15		6	8		0	2	2	0	1	1	1
Yen Bai	10	6	4	8	4	6	2	2	2	1	1	1
Total	512		217	522		166	96		80	85		85
Replied (No.of project)	355	355	175	92	175	70	71	71	60	42	42	42
Replied (%)	69.34%		80.65%	17.62%		42.17%	73.96%		75.00%	49.41%		49.41%

Appendix 3.3 Questionnaire

I General Information

Name of Liaison with

DPI/MPI: _____.

SPL Phase:		Name of the Project:	
Province:	District/City:	Commune:	
Project Owner:	Operation, Maintenance and Management:	Name of the Organization: _____ - Address: - Tel / Fax: - E-mail:	
Date:			
Respondent:			
Cell phone #:			
Year of Construction Works Commencement:		Project Owner in the Implementation stage:	
Year of Construction Works Completion:		Material Cost (BVND):	
Construction Cost (BVND):		Domestic Fund (BVND):	
Total investment Cost (BVND):		JBIC Fund (BVND):	

II Differences between Planning and Implementation of the Projects (Only for obvious ones).

Contents of the Projects at the time of planning:	
Contents of the Projects after implementation:	
Reason for the differences:	
What would be the obstacles for the projects? , and what would be the reasons for it?:	Obstacles: Reasons:

III Overview of the Projects:

Survey only for construction and rehabilitation by JICA loan (excluding existing facilities)

Substation Construction / Rehabilitation:

Name of substation:		Primary Voltage:	kV
Quantity of Transformer (TR):	units	Secondary Voltage:	kV
Capacity of TR:	MVA	Quantity of outgoing feeder (22 -35 kV):	feeders
Other works including rehabilitation:			
What would be the reasons for the lack of capacity after the projects? :			

Distribution Feeder Construction:

Area: Commercial / Industrial / Residential / Agricultural			
22kV Feeder (Over Head; OH):	km	Type of 22 kV OH Feeder Line:	
35 kV Feeder (Under Ground; UG):	km	Type of 35 kV UG Feeder Cable:	
Other Medium Voltage Feeder:KVkm.....kVkm			
LV Line (OH):	km	Type of LV Line:	
LV Cable (UG):	km	Type of LV Cable:	
Quantity of Distribution TR:	units	Total Capacity of the TR:	KVA
Quantity of Disconnecting SW:	units	Quantity of Load Break SW (LBS):	units
Quantity of Arrester:	units	Capacitor Quantity for Power Factor Improvements:	units
Quantity of Poles:	poles	Quantity of Watt Hour Meter (WHM):	units
Other equipment including rehabilitation:			
What would be the reasons for the lack of capacity after the projects? :			

IV Survey on the Effects of the Projects:

	Effects	
	Before the projects	After the projects
Sales (MVND):		
Consumption (kWH):		
SAIFI (Time / Year • Customer):		
SAIDI (Min / Year • Customer):		
Technical Loss (%):		
Non-technical Loss (%):		
Total Loss (%):		
Electric Rate (%):		
Which contents of the projects affected the areas of development plan? , and what would be the reasons for it?		

V Maintenance:

Department for Database:	Department Name:		Nos. of Members:	persons
Department for Maintenance:	Department Name:		Nos. of Members:	persons
Crew for Maintenance:	Nos. of Crews:		Nos. of Workers per Crew:	workers / crew
Working System for Maintenance:	3 crews per day 2 crews per day 1 crew per day			
Maintenance plan:	Maintenance Equipment:		Maintenance Period:	year
Record for maintenance / new construction:	Is there any records left on: If yes, are the records stored in database?		<input type="checkbox"/> Maintenance <input type="checkbox"/> New construction Yes / No	
Budget for maintenance:	How are the budgets kept for maintenance?			
Problems for maintenance:				
Proposals for improvement:				

VI Financial Condition:

Tariff	Tariff of the projects are the same as that of EVN? If Not, describe the differences.		
	Year	Revenue	Expenditure
Financial Condition	2009		
	2008		
	2007		

Appendix 3.4 Progress Record of the Survey

(1/2)

Province	Road Sector		Electricity Sector		Water Supply Sector		Irrigation Sector	
	No. of Sub-project	Progress	No. of Sub-project	Progress	No. of Sub-project	Progress	No. of Sub-project	Progress
An Giang	4	6/22	16	7/2	1	5/17		
Ba Ria Vung Tau	3	5/29	4	5/10				
Bac Giang	10	7/23	23	6/18	1	9/3	1	9/13
Bac Kan	13	6/16	5	7/1	1	8/19	3	8/19
Bac Lieu	5	7/2	6	6/26	1	5/11	1	5/6
Bac Ninh	10	5/16	8	6/15	1	8/25		
Ben Tre	5	6/19	5	6/30				
Binh Dinh	6	6/15	11	7/28	1	7/12	4	6/8
Binh Duong	1	5/31	4	5/6				
Binh Phuoc	7	5/20	7	5/7				
Binh Thuan	7	5/10	15	5/14				
Ca Mau	6	6/30	6	7/8	2	5/12	1	5/5
Can Tho	4	6/15	0					
Cao Bang	11	6/17	13	5/15			1	8/18
Da Nang	2	5/31	7	7/12				
Dac Lak	10	7/9	9	8/19	2	7/16	5	5/27
Dak Nong	4	7/1	4	8/20			2	5/29
Dien Bien	11	5/15	1	8/2	3	7/28,29	1	8/6
Dong Nai	2	5/22	0					
Dong Thap	4	7/9	8	7/1	1	5/5	1	5/13
Gia Lai	7	7/12	8	8/17	2	7/15	3	6/11
Ha Giang	11	5/7	5	6/23	3	8/16,17	1	8/16
Ha Nam	12	6/7	11	6/3				
Ha Noi (inculding former HaTay)	12	7/29	8	8/20	1	9/7		
Ha Tinh	17	5/9	26	8/6	6	6/2,3	7	7/20
Hai Duong	7	5/6	8	6/25	1	8/25		
Hai Phong	9	5/15	1	8/13	1	8/30		
Hau Giang	1	6/28	4	6/8	1	5/13		
Hoa Binh	8	5/11	11	5/18			2	8/2
Hung Yen	11	5/12	7	6/8				
Khanh Hoa	2	6/27	8	8/3				
Kien Giang	5	6/28	4	6/16	1	5/14		
Kon Tum	6	7/27	6	8/13	3	7/13,14	2	6/15
Lai Chau	7	5/13	4	8/4	3	8/2,3	1	8/10
Lam Dong	8	6/30	11	7/31	2	7/19	2	5/19
Lang Son	9	7/12	8	8/17	1	8/24	1	9/15
Lao Cai	11	5/9	17	7/15	2	8/12,13	2	8/13
Long An	4	6/8	3	5/20				
Nam Dinh	14	6/15	15	6/11				
Nghe An	15	7/24	13	7/31	4	5/31,6/1	4	7/23
Ninh Binh	15	6/30	9	6/2	1	8/31	1	7/30
Ninh Thuan	8	5/6	11	5/19	1	7/20	3	5/17
Phu Tho	16	5/10	19	5/20	5	8/6,9,10	5	8/4
Phu Yen	7	6/20	9	7/30	2	7/7	4	6/3

Appendix 3.4 Progress Record of the Survey

(2/2)

Province	Road Sector		Electricity Sector		Water Supply Sector		Irrigation Sector	
	No. of Sub-project	Progress	No. of Sub-project	Progress	No. of Sub-project	Progress	No. of Sub-project	Progress
Quang Binh	8	5/14	10	8/10	2	6/4	1	7/15
Quang Nam	12	6/5	11	7/19	4	6/14,15	1	7/8
Quang Ngai	10	6/10	9	7/24	2	7/8,9	4	7/7
Quang Ninh	8	7/26	1	8/18	2	8/26,27		
Quang Tri	16	5/22	13	8/13	6	6/7,8	3	7/14
Soc Trang	9	6/24	7	6/23	2	5/10		
Son La	9	5/7	10	8/1	2	7/26,27		
Tay Ninh	4	6/3	4	5/5	1	5/19		
Thai Binh	9	5/21	8	6/9	1	8/30		
Thai Nguyen	10	6/15	8	8/16	2	8/18	3	9/12
Thanh Hoa	16	7/9	10	7/24	6	5/24,26	6	7/29
Thua-Thien Hue	7	5/29	10	7/15	3	6/9,10	2	7/12
Tien Giang	4	6/9	9	6/24				
Tra Vinh	9	6/25	6	6/11	3	5/6	2	5/11
Tuyen Quang	8	6/7	8	6/25			2	9/8
Vinh Long	5	6/12	4	6/10	2	5/7	1	5/12
Vinh Phuc	15	5/20	8	8/13	2	9/6	1	9/10
Yen Bai	11	5/17	8	5/25	2	8/4,5	1	8/5
Total	517		522		96		85	
Completed (No. of project)	517		522		96		85	
Completed (%)	100%		100%		100%		100%	

Attachment 1
Detailed Survey Schedule

SITE SURVEY SCHEDULE IN NORTHERN PROVINCES - NORTH TEAM

No.	Visit Date		Province	SPL	Sub-Project	District
	Month	Date				
1	May	12	Cao Bang	I	Be Trieu Electric Network	Hoa An
2		12		II	Be Trieu Electric Network	Hoa An
3		12		II	Hung Quocs Electric Network	Tra Linh
4		13		III	Ta Lung Electric Network	Quang Hoa
5		13		III	Dam Thuy Electric Network	Trung Khanh
6		13		IV	Kham Thanh Commune Electric Line	Trung Khanh
7		14		IV	IV Phuc Xen Commune Electric Line	Quang Hoa
8		14		IV	Quang Trong-Canh Tan Commune Electric Network	Thach An
9		14		IV	Minh Tam Commune Electric Line	Nguyen Binh
10		14		IV	Hong Viet Commune Electric Line	Hoa An
11		15		IV	Hung Dao Commune Electric Line	Hoa An
12		15		IV	Nguyen Hue Commune Electric Line	Hoa An
13		15		V	Cat Dinh-Hong Dai Communes Electricity System	Phuc Hoa
14	May	17	Hoa Binh	I	Hoa Binh I Tan My Commune Electric Line	Mai Chau
15		17		I	Lac Thinh Commune Electric Line	Yen Thuy
16		17		II	Phu Cuong Commune Electric Line	Tan Lac
17		17		II	Tan My Commune Electric Line	Mai Chau
18		17		II	Nhan Trach Commune Electric Line	Luong Son
19		17		II	Hop Thinh Commune Electric Line	Ky Son
20		17		II	Lac Thinh Commune Electric Line	Yen Thuy
21		18		III	Phu Cuong Commune Electric Line	Tan Lac
22		18		III	Van Son Commune Electric Line	Lac Son
23		18		III	Hop Kim Commune Electric Line	Kim Boi
24		18		IV	Thien Chi-Lac Son Commune Electric Line	Lac Son
25	May	18	Phu Tho	I	Phu Tho I Huong Nha Commune Electric Line	Tam Nong
26		18		I	Tinh Cuong Commune Electric Line	Song Thao
27		18		I	Van Phu Commune Electric Line	Viet Tri City
28		18		I	Thanh Minh Commune Electric Line	Phu Tho Town
29		19		I	Hong Da Commune Electric Line	Tam Nong
30		19		I	Cao Mai Commune Electric Line	Phong Chau
31		19		I	Gia Thanh Commune Electric Line	Phong Chau
32		19		II	Phuc Lai Commune Electric Line	Doan Hung
33		19		II	Dinh Bo Commune Electric Line	Phu Ninh
34		19		II	Chuong Xa Commune Electric Line	Song Thao
35		19		II	Phuong Vien Commune Electric Line	Ha Hoa
36		20		II	Phuong Thinh Commune Electric Line	Tam Nong
37		20		II	Phu Nham Commune Electric Line	Phu Ninh
38		20		II	Trung Nghia Commune Electric Line	Tam Nong
39		20		IV	Tu Vu Commune Electric Line	Thanh Thuy
40		20		IV	Xuong Thinh-Tung Khe Commune Electric Line	Song Thao
41		20		IV	Nang Yen Commune Electric Line	Thanh Ba
42		20		IV	Minh Dai-Thu Cuc Commune Electric Line	Thanh Son
43		20		V	Electric Network in 8 Communes in Yen Lap Distric	Yen Lap
44	May	24	Yen Bai	I	Yen Bai I Nghia Tam Commune Electric Line	Van Chan
45		24		II	Nghia Tam Commune Electric Line	Van Chan
46		24		III	Phinh Ho Commune Electric Line	Tram Tau
47		24		III	Cuong Thinh Commune Electric Line	Tran Yen
48		25		III	Minh Quan Commune Electric Line	Tran Yen
49		25		III	Nghia Loi Commune Electric Line	Van Chan
50		25		III	Tan Thinh Commune Electric Line	Van Chan
51		25		V	Lam Thuong Electric Network	Luc Yen
52		June		1	Ninh Binh	I
53	1		I	Khanh Van Commune Electric Line		Gia Vien
54	1		I	Hung Tien Commune Electric Line		Kim Son
55	1		I	Da Han Trade Center Electric Network		Gia Vien
56	1		II	Xich Tho Commune Electric		Nho Quan
57	1		II	Khanh Cu Commune Electric		Yen Khanh
58	2		II	Ninh Khanh Commune Electric		Hoa Lu
59	2		II	Thuong Kiem Commune Electric		Kim Son

SITE SURVEY SCHEDULE IN NORTHERN PROVINCES - NORTH TEAM

No.	Visit Date		Province	SPL	Sub-Project	District
	Month	Date				
60		2		II	Quynh Luu Commune Electric Network	Nho Quan
61	June	2	Ha Nam	I	Vinh Tru Commune Electric Line	Ly Nhan
62		2		I	Hoa Mac Commune Electric Line	Duy Tien
63		2		I	Vu Ban Commune Electric Line	Binh Luc
64		2		I	Kien Khe Commune Electric Line	Thanh Liem
65		3		I	Binh My Commune Electric Line	Binh Luc
66		3		I	Nhat Tan Commune Electric Line	Kim Bang
67		3		II	Duc Ly Commune Electric	Ly Nhan
68		3		II	Chau Son Commune Electric	Duy Tien
69		3		II	Hung Cong Commune Electric	Binh Luc
70		3		II	Dong Ly Commune Electric	Ly Nhan
71		3		II	Thuy Loi Commune Electric	Kim Bang
72	June	7	Hung Yen	I	An Thi Electric Line	An Thi
73		7		I	Phu Cu Electric Line	Phu Cu
74		7		II	Dien Vuong-Tien Lu Electric System	Tien Lu
75		7		II	Khoai Chau Town Electric Line	Khoai Chau
76		7		II	Luong Bang-Kim Dong Electric Network	Kim Dong
77		8		II	My Hao Commune Electric Line	My Hao
78		8		II	Ha Le-An Thi Electric Network	An Thi
79	June	8	Thai Binh	I	Vu Thu Electric Network	Vu Thu
80		8		I	Tien Hai Electric Network	Tien Hai
81		8		I	Kien Xuong Electric Network	Kien Xuong
82		9		II	Tien Hai Electric Network	Tien Hai
83		9		II	Hung Ha Electric Network	Hung Ha
84		9		II	Diem Dien Electric Network	Thai Thuy
85		9		II	Dong Hung Electric Network	Dong Hung
86		9		II	Quynh Coi Electric Network	Quynh Coi
87		June		10	Nam Dinh	I
88	10		I	Tam Thanh Commune Electric Line		Vu Ban
89	10		I	Hong Thuan Commune Electric Line		Giao Thuy
90	10		I	Thinh Long Commune Electric Line		Hai Hau
91	10		I	Nam Thuong-Dong Long Commune Electric Line		Nam Truc
92	10		I	Yen Trinh Commune Electric Line		Y Yen
93	11		I	Hai Trieu Commune Electric Line		Hai Hau
94	11		II	Xuan Chau Commune Electric Line		Xuan Truong
95	11		II	Hop Hung Commune Electric Line		Vu Ban
96	11		II	Hai Son Commune Electric Line		Hai Hau
97	11		II	Giao Hai Commune Electric Line		Giao Thuy
98	11		II	Lam Town Electric Line		Y Yen
99	11		II	Xuan Tien Commune Electric Line		Xuan Truong
100	11		II	Tan Thinh Commune Electric Line		Nam Truc
101	11	II	Hai Minh Commune Electric Line	Hai Hau		
102	June	13	Bac Ninh	I	Yen Phong Electric Line	Yen Phong
103		13		I	Phong Khe Electric Line	Yen Phong
104		13		I	Giang Son Electric Line	Gia Binh
105		14		II	Pho Moi Electric Network	Que Vo
106		14		II	Van Tuong Commune Electric Line	Tien Son
107		14		II	Trung Xa Commune Electric Line	Luong Tai
108		15		II	Vu Ninh Commune Electric Line	Bac Ninh City
109		15		II	Ho Town Commune Electric Line	Thuan Thuan

SITE SURVEY SCHEDULE IN NORTHERN PROVINCES - NORTH TEAM

No.	Visit Date		Province	SPL	Sub-Project	District
	Month	Date				
110	June	15	Bac Giang	I	Tuan Dao Commune Electric Commune	Song Dong
111		15		I	Tuan Soi Commune Electric Commune	Yen The
112		15		I	Danh Thang Commune Electric Commune	Hiep Hoa
113		16		I	Dong Phuc Commune Electric Commune	Yen Dung
114		16		I	Phuong Son Commune Electric Commune	Luc Ngan
115		16		I	Kham Lang Commune Electric Commune	Luc Nam
116		16		I	Dan Hoi Commune Electric Commune	Luc Nam
117		16		I	Tam Tien Commune Electric Commune	Yen The
118		16		I	Canh Nau Commune Electric Commune	Yen The
119		16		I	Quang Thinh Commune Electric Commune	Lang Giang
120		17		I	Lien Son Commune Electric Commune	Tan Yen
121		17		I	Neo Town Commune Electric Commune	Yen Dung
122		17		I	Huong Lam Commune Electric Commune	Hiep Hoa
123		17		II	Dong Vuong Commune Electric Line	Yen The
124		17		II	Tan Moc Commune Electric Line	Luc Ngan
125		17		II	An Chau Commune Electric Line	Son Dong
126		18		II	Van Ha Commune Electric Line	Viet Yen
127		18		II	Yen Son Commune Electric Line	Luc Nam
128		18		III	Truong Son Commune Electric Line	Luc Nam
129		18		III	Tan Lieu Commune Electric Line	Yen Dung
130		18		III	Tam Lap Commune Electric Line	Luc Ngan
131		18		III	Que Son Commune Electric Line	Son Dong
132		18		V	Truong Son Commune Electric Line	Luc Nam
133	June	22	Ha Giang	II	Dong Van-Meo Vac Electric Line	Van-Meo
134		22		II	Ma So-Lung Tao Commune Electric Line	Dong Van
135		23		III	Ligh System of Ha Giang Town	Ha Giang Town
136		23		III	Thang Tin Commune Electric Line	Hoang Su Phi
137		23		V	Then Chu Phin commune Electric Line	Hoang Su Phi
138	June	24	Hai Duong	I	Hai Duong Town Electric Network	Hai Duong City
139		24		I	Ninh Giang District Electric Network	Ninh Giang
140		24		I	Tu Ky District Electric Network	Tu Ky
141		24		II	Thanh Ha District Electric Line	Thanh Ha
142		25		II	Ninh Giang District Electric Line	Ninh Giang
143		25		II	Binh Giang District Electric Line	Binh Giang
144		25		II	Kinh Mon District Electric Line	Kinh Mon
145		25		II	Light System of Hai Duong City	Hai Duong City
146	June	24	Tuyen Quang	I	Tuyen Quang Town-Dao Vien-Dong Da Electric Network	Tuyen Quan Town
147		24		I	Trung Son-Trung Yen Electric Network	Yen Son
148		24		II	35KV-Ngoc Hoi-Kien Dai Electric Line	Chiem Hoa
149		24		II	35KV-Quang Linh-Tri Phi-Linh Phu Electric Line	Chiem Hoa
150		25		III	Vinh Quang -Binh Nhan Transfomer and Electric Line	Chiem Hoa
151		25		III	Tan Yen-Bach Nha Transfomer and Electric Line	Ham Yen
152		25		IV	Electric Line and Transfomer in Binh Yen Commune	Son Duong
153		25		V	Construction TFS Station in Hung Loi-Trung Minh Commun	Yen Son
154	June	30	Bac Kan	I	Kim Lu-Na Ri Commune Electric Line	Na Ri
155		30		II	6 Communes in Cho Don Town Electric Line	Cho Don
156		30		III	Electric Network in Southern of Cho Don Distric	Cho Don
157	July	1		III	Phuong Vien-Ra Ban Commune Electric Line	Cho Don
158		1		V	Pac Nam Commune Electric Network	Pac Nam

SITE SURVEY SCHEDULE IN NORTHERN PROVINCES - NORTH TEAM

No.	Visit Date		Province	SPL	Sub-Project	District
	Month	Date				
159	July	14	Lao Cai	I	Vo Lao Commune Electric Line	Van Bao
160		14		I	Minh Tan Commune Electric Line	Bao Yen
161		14		I	Dien Quan Commune Electric Line	Bao Yen
162		14		II	Gia Phu Commune Electric	Bao Thang
163		15		II	Ban Phiet Commune Electric	Bao Thang
164		15		II	Dong Tuyen Commune Electric	Bao Yen
165		15		II	Ban Lau Commune Electric	Muong Khuong
166		15		II	Phong Hai Commune Electric	Bao Thang
167		15		II	Tang Loong Commune Electric	Bao Thang
168		15		III	Bao Nhai Electric Network	Bac Ha
169		15		III	Ta Phoi Electric Network	Cam Duong
170		15		III	Muon Vi Electric Network	Bat Xat
171	15	IV	Nam Ma Commune Electric Line	Van Ban		
172	15	IV	Xuan Hoa Commune Electric Line	Bao Yen		
173	July	29	Son La	I	Phieng Tam Commune Electric Line	Son La Town
174		29		I	Phieng Cha Electric Network	Thuan Chau
175		29		II	Chieng Pha Commune Electric Line	Son La Town
176		29		II	Co Noi Commune Electric Line	Mai Son
177		30		II	Phieng Tam Commune Electric Line	Son La Town
178		30		III	Chieng Pha Commune Electric Line	Thuan Chau
179		30		III	Phieng Tam Commune Electric Line	Son La Town
180		31		III	Chieng Mung-Tong Co-Phieng Tam-Phieng Pha and Co No	Thuan Chau
181		31		III	Co Noi Commune Electric Line	Mai Son
182		August		1	V	VCo Ma Commune Electric Line
183	August	2	Dien Bien	I	Dien Bien Electric Network	Dien Bein
184	August	3	Lai Chau	I	Binh Lu Electric Network (stage 1 and 2)	Phong Tho
185		3		I	Ban Bo Commune Electric Line	Phong Tho
186		3		I	Van Hoa Commune Electric Line	Than Uyen
187		4		I	Muong Khoa Commune Electric Line	Tan Uyen
188		4		I	Minh Thanh Commune Electric Line	Than Uyen
189		4		IV	Than Thuoc Commune Electric Line	Than Uyen
190		4		V	Nam Can-Bac Ta Electric Network	Than Uyen
191	August	10	Vinh Phuc	I	Quang Son Electric Line	Lap Thach
192		10		I	Xuan Hoa Electric Line	Lap Thach
193		11		I	Yen Lac Town Electric Line	Yen Lac Town
194		11		II	Huong Dao Commune Electric Line	Tam Dao
195		12		II	NguKiem-VinhThinh Commune Electric Line	Vinh Tuong
196		12		II	Bo Ly Commune Electric Line	Tam Dao
197		12		IV	Electric Network in 4 Communes in Lap Thach Distric	Lap Thach
198		13		IV	Electric Network in 6 Communes in Tam Duong Distric	Tam Duong
199	August	13	Hai Phong	II	Vinh Bao Town Electric Line	Vinh Bao
200	August	9	Hanoi	I	Phu Man Commune Electric Line	Quoc Qai
201		9		I	Duong Lam Commune Electric Line	Son Tay Town ship
202		10		I	Van Hoa Commune Electric Line	Ba Vi
203		10		I	Nam Phuong Tien Commune Electric Line	Chuong My
204		10		II	Ba Vi Commune Electric Line	Ba Vi
205		10		II	Nam Phuong Tien Commune Electric Line	Chuong My
206		20		II	Lien Quan Town Electric Line	Thach That
207		20		II	Hien Giang Electric Line	Thuong Tin
208	August	16	Thai Nguyen	I	Dinh Hoa Electric Line	Dinh Hoa
209		16		I	Van Han Electric Line	Dong Hy
210		16		II	ATK Area Electric Line	Dinh Hoa
211		16		II	Ky Phu Commune Electric Line	Dai Tu
212		16		II	Van Han Commune Electric Line	Dong Hy
213		16		II	Phu Thuong Commune Electric Line	Vo Nhai
214		16		IV	Tan Phu Commune Electric Line	Pho Yen
215		16		V	Tan Khanh-Phu Binh Commune Electric Network	Phu Binh

SITE SURVEY SCHEDULE IN NORTHERN PROVINCES - NORTH TEAM

No.	Visit Date		Province	SPL	Sub-Project	District
	Month	Date				
216	Aug	17	Lang Son	I	Dong Giap Electric Network	Van Quan
217		17		I	Yen Tich Electric Network	Chi Lang
218		17		II	Hoa Lac-Hoa Son-Tan Thanh Electric Line	Huu Lung
219		17		II	Binh Gia-Pac Thuong Electric Line	Binh Gia
220		17		III	Chien Thang Transformer and Electric Line	Chi Lang
221		17		III	Southern of Loc Binh Transformer and Electric Line	Loc Binh
222		17		III	Hoi Hoan Transformer and Electric Line	Van land
223		17		V	0.4KV Electric Line in Binh Gia, Bac Son Distric	Binh Gia, Bac Son
224		Aug		18	Quang Ninh	II

SITE SURVEY SCHEDULE IN CENTRAL PROVINCES - CENTRAL TEAM

No.	Visit Date		Province	SPL	Sub-Project	District
	Month	Date				
1	July	23	Thanh Hoa	I	My Tan Ngoc Khe Electric Line	Ngoc Lac
2		23		I	Hoa Quy Commune Electric Line	Nhu Xuan
3		23		I	Xuan Cam Electric Line	Truong Xuan
4		23		II	Dong Khanh Trade Center Electric Line	Thieu Hoa
5		23		II	Yen Ninh Commune Electric Line	Yen Dinh
6		23		II	Yen Hung Commune Electric Line	Yen Dinh
7		23		II	Truong Lam Commune Electric Line	Tinh Gia
8		24		II	Cam Long Commune Electric Line	Cam Thuy
9		24		II	Dinh Hai Commune Electric Line	Tinh Gia
10		24		IV	Quang Phu Commune Electric Line	Tho Xuan
11	July	30	Nghe An	I	Giai Xuan Electric Network	Tan Ky
12		30		I	Thanh Hung Electric Network	Thanh Chuong
13		30		I	Cao Son Electric Network	Tan Ky
14		30		II	Nghia Phuc Commune Electric Line	Tan Ky
15		30		II	Thanh Ngoc Commune Electric Line	Thanh Chuong
16		30		II	Vinh Son Commune Electric Line	Anh Son
17		30		III	Nghi Van Commune Electric Line	Nghi Loc
18		30		III	Muong Noc Commune Electric Line	Quang Phong
19		31		III	Yen Tinh Commune Electric Line	Tuong Duong
20		31		IV	Thanh An Commune Electric Line	Thanh Chuong
21		31		IV	Thach Ngan Commune Electric Line	Con Cuong
22		31		V	Nghia Thanh Commune Electric Line	Tan Ky
23		31		V	Binh Chuan Commune Electric Line	Con Cuong
24	Aug	2	Ha Tinh	I	Huong Khe Distric Electric Network	Huong Khe
25		2		I	Huong Son Distric Electric Network	Huong Khe
26		2		I	Thach Ha Distric Electric Network	Thach Ha
27		2		I	Dai Nai-Ha Tinh Town Electric	Thach Ha
28		3		I	Hong Linh Electric	Hong Linh
29		3		I	Ky Tan-Ky Ha Electric	Ky Anh
30		3		I	Duc Tho Distric Electric Network	Duc Tho
31		3		I	Can Loc Distric Electric Network	Can Loc
32		3		I	Cam Xuyen Distric Electric Network	Cam Xuyen
33		4		I	Nghi Xuan Distric Electric Network	Nghi Xuan
34		4		I	Thai Yen Distric Electric Network	Thai Yen
35		4		II	Transformer 10KV Huong Xuan-Huong Lien	Huong Khe
36		4		II	Transformer 10KV Binh Loc-Thinh Loc	Can Loc
37		5		II	Son Truong Commune Electric Line	Huong Son
38		5		II	Thach Vinh Commune Electric Line	Thach Ha
39		5		II	Thai Yen Distric Electric Network	Thai Yen
40		5		II	Cay Town Electric Network	NA
41		5		II	Hong Linh Commune Electric Line	Hong Linh
42		5		II	Son Thuy-Le Thuy Commune Electric Line	Huong Son
43		6		II	Xuan Thanh Commune Electric Line	Nghi Xuan
44		6		II	Son Mai-Thanh Mai Electric Network	Huong Son
45		6		IV	Ky Lam-Ky Thinh Commune Electric Network	Ky Anh
46		6		IV	Son Bang-Son Thinh Commune Electric Network	Huong Son
47		6		IV	Quang Loc-My Loc Commune Electric Network	Can Loc
48		6		IV	Cam Nhung-Cam Due Commune Electric Network	Cam Xuyen
49		6		V	Thach Ha Distric Electric Network	Thach Ha
50	Aug	9	Quang Binh	I	Quang Luu Electric	Quang Trach
51		9		I	Son Loc-Phu Dinh Electric	Bo Trach
52		9		I	Kim Van-Truong Thuy Electric	Le Thuy
53		9		I	Bac Truong Xuan Electric	Quang Ninh
54		9		I	Quang Tung-Quang Chau-Quang Tien Electric	Quang Trach
55		10		I	Mai Phong-Tien Hoa Electric	Tuyen Hoa
56		10		II	Kim Thuy-Van Thuy-Truong Thuy Electric Network	NA
57		10		II	Transformer 20KV of Quang Tung-Chau Tien	Quang Trach
58		10		II	Quang Luu-Quang Trach Electric Network	Quang Trach

SITE SURVEY SCHEDULE IN CENTRAL PROVINCES - CENTRAL TEAM

No.	Visit Date		Province	SPL	Sub-Project	District
	Month	Date				
59		10		III	Dan Hoa Commune Electric Line	Minh Hoa
60	Aug	11	Quang Tri	I	Vinh Tu Commune Electric	Vinh Linh
61		11		I	Cam Tuyen Commune Electric	Cam Lo
62		11		I	Trieu Lang Commune Electric	Trieu Phong
63		12		II	Gio Linh Commune Electric Line	Gio Linh
64		12		II	Huong Hoa Commune Electric Line	Huong Hoa
65		12		II	Ba Long Commune Electric Line	Gio Linh
66		12		III	Gio My Commune Electric Line	Gio Linh
67		12		III	Thanh Commune Electric Line	Huong Hoa
68		13		III	A Tuc Commune Electric Line	Huong Hoa
69		13		IV	Trieu Thuong Commune Electric Line	Trieu Phong
70		13		IV	Electric Network in New Economic area in South of Ben Hai	Vinh Linh
71		13		IV	Huong Hung Commune Electric Line	Huong Hoa
72		13		V	Vinh Linh and Cam Lo Electric Line	Vinh Linh-Cam Lo

SITE SURVEY SCHEDULE IN SOUTHERN PROVINCES - SOUTH TEAM

No.	Visit Date		Province	SPL	Sub-Project	District
	Month	Date				
1	May	4	Tay Ninh	I	Tan Hoa-Suoi Ngo Electric Network	Tan Chau
2		4		II	Binh Minh Commune Electric Line	Tay Ninh
3		5		II	Tan Lap Commune Electric Line	Tan Bien
4		5		II	An Thinh Commune Electric Line	Trang Bang
5	May	6	Binh Duong	II	Thanh An-Dinh Hiep Electric Network	Dau Tieng
6		6		II	Tan Phuoc Khanh Town Electric Line	Tan Uyen
7		6		III	Long Tan Commune Electric Line	Dau Tieng
8		6		III	Da Ton Commune Electric Line	Tan Uyen
9	May	7	Binh Phuoc	I	Dinh Thang Electric	Phuoc Long
10		7		II	Binh Thang Commune Electric Line	Phuoc Long
11		7		II	Loc Tan-Thanh Luong Commune Electric Line	Loc Ninh
12		7		III	Duc Lieu Commune Electric Line (stage 1)	Du Dang
13		7		III	Phuoc An Commune Electric Line (Stage1)	Binh Long
14		7		III	Thanh Luong Commune Electric Line	Binh Long
15		7		V	Long Hung Commune Electric Line	Phuoc Long
16	May	9	Ba Ria-Vung	III	Long Dat Distric Electric Line	Long Dat
17		9		III	Chau Duc Distric Electric Line	Chau Duc
18		10		III	Xuyen Moc Distric Electric Line	Xuyen Moc
19		10		III	Tan Thanh Distric Electric Line	Tan Thanh
20	May	13	Binh Thuan	I	Long Son-Suoi Nuoc Electric Network	Phan Thiet City
21		13		I	46-Song Han Electric Network	Ham Tan
22		13		I	Km32-Ta Mon Electric Network	Ham Thuan Nam
23		13		I	Thon 1-Co Khe-Trade Center Electric Network	Ham Thuan Bac
24		13		II	Long Son-Suoi Nuoc Electric Network	Phan Thiet City
25		14		II	Nga Ba 46-Song Phan Electric Line	Ham Tan
26		14		II	Ta Mon Km32 Electric Line	Ham Thuan Nam
27		14		II	Koke-KTM Electric Line	Ham Thuan Bac
28		14		II	Ham Tien-Bau Me Commune Electric Line	Phan Thiet City
29		14		II	Bau Me-Bau Tang Commune Electric Line	Phan Thiet City
30		14		II	Tan Thang Commune Electric Line	Ham Tan
31		14		III	Can Cu 6-Ham Tan Electric Line 22KV	Ham Tan
32		14		III	Long Son-Suoi Nuoc Electric Line 22KV	Phan Thiet City
33		14		III	Tan Thang KTM Commune Electric Line	Ham Tan
34		14		III	Ham Duc-Duong Tieu Electric Line 22KV	Ham Thuan Bac
35	May	18	Ninh Thuan	I	Tan Lap-Ma Noi Electric Line	Ninh Son
36		18		I	Khanh Hai Electric Line	Ninh Hai
37		18		I	Lac Tien-Tu Thien-Son Hai Electric Line	Ninh Son
38		18		I	Hieu Thien-Vu Bon Electric Line	Ninh Son
39		18		II	Phuoc Nam-Nhi Ha-Phuoc Ha Commune Electric Line	Ninh Phuoc
40		18		II	Lang Me-Xom Bang Commune Electric Line	Ninh Phuoc
41		19		II	Xom Chieu-Bao An-Cong Thanh-Thanh Hai Commune Electric	Ninh Phuoc
42		19		III	Ma Noi Commune Electric Line	Ninh Son
43		19		III	Hoa Son-My Son Commune Electric Line	Ninh Son
44		19		III	Binh Son-Dong Hai Commune Electric Line	Ninh Hai
45		19		V	Luong Son-Lan Son Electric Network	Ninh Son
46	May	19	Long An	I	My An Electric	Thu Thua
47		20		I	An Ninh Tay Electric	Duc Hoa
48		20		II	Phuoc Vinh Dong Commune Electric Line	Can Giuoc
49	June	7	Hau Giang	I	Hau Giang I Vinh Vien Electric	Long My
50		7		II	Vinh Vien Electric	Long My
51		8		II	Long Binh Commune Electric Line	Long My
52		8		V	Electric Network in Long Phu-Phu Tri-Thuan Hung Communes	Long My
53	June	9	Vinh Long	I	Phu Duc Electric	Long Ho
54		9		I	KhanhTiet-Khanh Tu-Thuan An Electric Network	Binh Minh
55		10		II	Trung An-Aa Kinh Commune Electric Line	Vung Liem
56		10		II	Trung An Phu Cuong Commune Electric Line	Vung Liem

SITE SURVEY SCHEDULE IN SOUTHERN PROVINCES - SOUTH TEAM

No.	Visit Date		Province	SPL	Sub-Project	District
	Month	Date				
57	June	11	Tra Vinh	I	Ham Giang Electric Network	NA
58		11		II	Ham Giang Electric Network NA	NA
59		11		III	Cau Quan Commune Electric Line	Tieu Can
60		11		III	Long Toan Commune Electric Line	Duyen Hai
61		11		III	Hoa An Commune Electric Line	Cau Ke
62		11		III	My Cam Commune Electric Line	Cang Long
63	June	15	Kien Giang	I	Duong Dong Electric Line	Phu Quoc
64		15		I	Lai Son Commune Electric Line	Kien Hai
65		16		II	Duong To-An Thoi Electric Network	Phu Quoc
66		16		V	Electric Line and Transformer in buffer Zone of U Minh Thuong National Garden	Giong Gieng
67	June	23	Soc Trang	I	Cai Tau-Ba Trinh-Trinh Phu Electric Network	Ke Sach
68		23		I	Ho Dac Kien Electric	My Tu
69		23		I	An Lac Tay Commune Electric	Ke Sach
70		23		II	Hoa Lac Electric Network	Vinh Chau
71		23		III	Vinh Loi Commune Electric Line	Thanh Tri
72		23		IV	Electric Network in 9 Communes in My Xuyen Distric	My Xuyen
73		23		V	An Lac Tay Commune Electric Line	Ke Sach
74	June	24	Tien Giang	I	Phu Tan Electric	Go Cong Dong
75		24		I	Tan Thoi Electric	Go Cong Tay
76		24		I	Long Hung Electric	Chau Thanh
77		24		II	Tan Thoi Commune Electric Line	Go Cong Tay
78		24		II	Thanh My Commune Electric Line	NA
79		24		II	Binh Xuan Commune Electric Line	NA
80		24		III	My Loi A Commune Electric Line	Cai Be
81		24		III	Tan Hoi Commune Electric Line	Cai Lay
82		24		III	Diem Hy Commune Electric Line	Chau Thanh
83	June	25	Bac Lieu	I	Phong Thanh Dong Commune Electric	Gia Rai
84		25		II	Chau Thoi Commune Electric Line	Vinh Loi
85		25		III	Vinh Thinh Commune Electric Line	Vinh Loi
86		26		III	Vinh Trach Commune Electric Line	Bac Lieu Town
87		26		III	Vinh Phu Tay Commune Electric Line	Hong Dan
88	26	III	Ninh Hoa Commune Electric Line	Hong Dan		
89	June	29	Ben Tre	I	An Diem Electric Network	Thanh Phu
90		29		II	Con Linh Commune Electric Network	Giong Trom
91		29		III	Phu Da Commune Electric Line	Cho Lach
92		29		III	Con Tien Loi Commune Electric Line	Chau Thanh
93		30		III	Long Hoa Commune Electric Line	Binh Dai
94	June	30	Dong Thap	I	Binh Thanh Electric	Bing Thanh
95		30		I	Thanh My Electric Network	Thap Muoi
96	July	30		II	Long Thang Commune Electric Line	Lai Vung
97		30		II	Thuong Thoi Tuyen Commune Electric Line	Hong Ngu
98		30		III	Phu Ninh Commune Electric Line	Tam Nong
99		1		III	Long Hung A Commune Electric Line	Lap Vo
100		1		III	Tan Thanh Commune Electric Line	Tan Hong
101		1		V	Electric Network in Tan Thuan Dong, Tan Phu, Tan Phu Trung, Phu Long Communes	Chau Thanh

SITE SURVEY SCHEDULE IN SOUTHERN PROVINCES - SOUTH TEAM

No.	Visit Date		Province	SPL	Sub-Project	District
	Month	Date				
102	July	1	An Giang	I	Hoa Lac-Phu Hiep Commune Electric	Phu Tan
103		1		I	Phu Thanh-Phu Long Electric Network	Phu Tan
104		1		I	Da Phuoc-Phuoc Quan Electric Network	An Phu
105		1		I	Khanh Binh-Nga 3 Dinh Electric Network	An Phu
106		1		I	Nhon Hoi-Ca Coi Electric Network	An Phu
107		1		I	Nui Sap Electric Network	Thoai Son
108		2		II	Vinh Thang-Vinh Khanh Commune Electric Line	Thoai Son
109		2		II	109 2 II Binh Thanh Dong-Tay Commune Electric Line	Phu Tan
110		2		II	15-22KV, Phuoc Hung-Chua Co-Cau 9	An Phu
111		2		II	Vinh Loi-Vinh Thuan Electric Network	Chau Thanh
112		2		II	Long Thuong-Kien An Commune Electric Line	Cho Moi
113		2		II	15-22KV Kien An	Cho Moi
114		2		III	Vinh Khanh-Kenh Dao Commune Electric Line	Thoai Son
115		2		III	Kenh K16-Phu Thanh Commune Electric Line	Phu Tan
116		2		III	Nga 3 Dinh Ca Coi Commune Electric Line	An Phu
117		2		III	Phu An-Phu Xuan Commune Electric Line	Phu Tan
118	July	7	Ca Mau	I	Cai Nuoc-Dam Thi Tuong Electric Network	Cai Nuoc
119		7		II	Khanh Lam Commune Electric Line	U Minh, Khanh Hoi
120		7		III	Tan Thuan Commune Electric Line	Dam Doi
121		8		III	Phu My Commune Electric Line	Phu Tan
122		8		III	Dat Moi Commune Electric Line	Nam Can
123		8		V	Electric Network in Ca Mau Forest and Fishing Ground	Thoi Binh, Ung Minh, Dam Doi, ngoc Hien
124	July	11	Da Nang	I	Hoa Phong Commune Electric	Hoa Vang
125		11		II	Hoa Phu Commune Electric Line	Hoa Vang
126		11		II	Hoa Phong Commune Electric	Ngu Hanh Son
127		12		III	Hoa Phat Commune Electric Line	Hoa Vang
128		12		III	Electric Network and Transformer in Hoa Hai Ward	Hoa Son
129		12		III	Electric Network and Transformer in Hoa Son Ward	Hoa Son
130		12		III	Hoa Phong Commune Electric	Hoa Vang
131	July	14	Thua Thien-H	I	Hai Duong Commune Electric Network	Huong Tra
132		14		I	Phu Dien Commune Electric Network	Phu Vang
133		14		I	Loc Vinh Commune Electric Network	Phu Loc
134		14		II	Vinh Ha Commune Electric Line	Phu Vang
135		15		II	Duong Hoa War Zone Electric Line	Huong Thuy
136		15		II	Vinh Thai Commune Electric Line	Phu Vang
137		15		II	Binh Dien Commune Electric Line	Huong Tra
138		15		II	Vinh My Commune Electric Line	Phu Loc
139		15		II	Bac Hien Commune Electric Line	Phong Dien
140		15		V	Electric Line in area 3 of Phu Loc Distric	Phu Loc
141	July	19	Quang Nam	I	Binh Chanh Electric	Thang Binh
142		19		I	Dien Quang Electric	Dien Quang
143		19		I	Que Ninh Electric	Que Son
144		19		II	Dien Quang Electric	Dien Ban
145		19		II	Binh Duong Commune Electric Line	Thang Binh
146		19		II	Binh Dinh Commune Electric Line	Thang Binh
147		19		III	Binh Dinh Commune Electric Line	Thang Binh
148		19		III	Dien Trung Commune Electric Line	Dien Ban
149		19		III	Binh Lanh Commune Electric Line	Thang Binh
150		19		IV	Binh Quy Commune Electric Line	Thang Binh
151		19		V	Hiep Duc Electric Network	Hiep Duc
152	July	23	Quang Ngai	I	Tu Nghia Electric	Tu Nghia
153		23		I	Tinh Khe Commune Electric	Son Tinh
154		23		I	Son Ha Distric Electric Network	Son Ha
155		23		II	Ly Son Island District Electric Network	Ly Son
156		23		II	Son Ha Distric Electric Network	Son Ha
157		24		II	Tinh Tho Commune Electric Line	Son Tinh
158		24		II	Binh Khuong Commune Electric Line	Binh Son
159		24		II	Pho Cuong Commune Electric Line	Duc Pho
160		24		II	Tra Bong Commune Electric Line	Tra Bong

SITE SURVEY SCHEDULE IN SOUTHERN PROVINCES - SOUTH TEAM

No.	Visit Date		Province	SPL	Sub-Project	District	
	Month	Date					
161	July	27	Binh Dinh	I	Canh Nghiep-Canh Hoa-Canh Thuan Commune	Van Canh	
162		27		I	Vinh An Commune Electric	Tay Son	
163		27		I	Cat Lam-Cat Nghiep Electric	Phu Cat	
164		27		II	Cat Thanh Commune Electric Line	Phu Cat	
165		27		II	An Hao Commune Electric Line	Hoai An	
166		28		II	Hoai Hai Commune Electric Line	Hoai Nhon	
167		28		III	Cat Hai Commune Electric Line	Phu Cat	
168		28		III	Binh Thuan Commune Electric Line	Tay Son	
169		28		III	My Tai Commune Electric Line	Phu My	
170		28		III	Tay Phu Commune Electric Line	Tay Son	
171	28	V		Medium and low voltage electrical line in Canh Lien Commune	Van Canh		
172	July	29	Phu Yen	I	Xuan Phuoc Commune Electric	Dong Xuan	
173		29		II	Duc Binh Tay Commune Electric Line	Song Hinh	
174		29		II	Son Hoa Commune Electric Line Son Hoa	Son Hoa	
175		29		II	Xuan Tho 2 Commune Electric Line	Song Cau	
176		29		II	An Phu-An Chan-An My Commune Electric Line	Tuy An	
177		30		II	Hoai Hoi Commune Electric Line	Tuy Hoa	
178		30		III	Son Gian Commune Electric Line	Song Hinh	
179		30		III	Xuat Binh Commune Electric Line	Song Cau	
180		30		IV		Trung Trinh-Vung Nha-Tu Nham Commune Electric Network	Song Cau
181		July		31	Lam Dong	I	Dinh Van-Phu Son Electric Network
182	31		I	Dong Nai-Gia Vien-Tien Hoang Electric		Cat Tien	
183	31		I	Da The-Trieu Hai Electric		Da Terh	
184	31		I	Madagui-Ha Lam-Dam Bri Electric Network		Bao Loc	
185	31		I	Phuoc Cat 2 Commune Electric Line		Cat Tien	
186	31		II	Cung Re Commune Electric Line		Cung Re	
187	31		II	22KV Madagui-Da Hoai		Lam Ha	
188	31		III	Loc Ngai Commune Electric Line 22KV		Bao Lam	
189	31		III	Loc Tan Commune Electric Line		Bao Lam	
190	31		III	Da Ton Commune Electric Line		Dah Hoai	
191	31	V		Da Don Commune Electric Line	Lam Ha		
192	August	2	Khanh Hoa	I	Ninh An Commune Electric	Ninh Hoa	
193		2		I	Suoi Cat Commune Electric	Dien Khanh	
194		2		II	Ninh Binh Commune Electric Line	Ninh Hoa	
195		3		II	Dien Lam Commune Electric Line	Dien Khanh	
196		3		II	Doc Da Trang Commune Electric Line	Van Ninh	
197		3		III	Van Thanh Commune Electric Line	Van Ninh	
198		3		III	Khanh Vinh Commune Electric Line	Khanh Vinh	
199	3	III	Phuoc Dong Commune Electric Line	Nha Trang			
200	August	12	Kon Tum	I	Thuy Dien-Ngoc Linh Electric Network	Dak Glei	
201		12		I	Dak Mon-Dak Loong Electric Network	Dak Rong	
202		12		II	Dac Uy (Dac Ha) Electric Network	Dac Ha	
203		13		III	Ngoc Wang Commune Electric Line	Dak Ha	
204		13		III	Ia-Chim Commune Electric Line	Lon Tum town	
205		13		III	Dak-koi Commune Electric Line	Kon Ray	
206	13	V		Dak Ha Commune Electric Network	Dak To		
207	August	17	Gia Lai	I	Ia-Doom Electric	Duc Co	
208		17		I	Ia Blang Electric	Chu Se	
209		17		I	Ia Bang Electric	Chu Prong	
210		17		II	Ia Phi Commune Electric Line	Chu Pah	
211		17		II	Ia Hop (Chu Se) Commune Electric Line	Chu Se	
212		17		II	Dakhlo (Kbang) Commune Electric Line	K Bang	
213		17		II	Chu Drang (Ayunpa) Commune Electric Line	A Yun Pa	
214		17		III	Ea-Dreh Commune Electric Line	Krongpa	
215		17		III	Eadok Commune Electric Line	Duc Co	
216		17		III	Ia Lau Commune Electric Line	Chu Prong	
217		17		V		La Me Commune Electric Network	Chu Prong

SITE SURVEY SCHEDULE IN SOUTHERN PROVINCES - SOUTH TEAM

No.	Visit Date		Province	SPL	Sub-Project	District
	Month	Date				
218	August	19	Dak Lak	I	Ea-Drong Electric Network	Krong Buk
219		19		I	Dak-Rong Electric Network	Cu Jut
220		19		II	Eam Nang Commune Electric Line	Eah Leo
221		19		II	Hoa Le Commune Electric Line	Krong Bong
222		19		II	Krong Na Commune Electric Line	Buon Don
223		19		II	Phu Xuan Commune Electric Line	Krong Nang
224		19		III	Hoa Thanh Commune Electric Line	Krong Bong
225		19		IV	Ia Rieng Commune Electric Line	M'Drak
226	19	V		Electric Line in Highland Village Win Ea Kiet	Cu M'Gar	
227	August	20	Dak Nong	I	Buon Don Electric Network	Buon Don
228		20		II	Dak Gan Commune Electric Line	Dak Mil
229		20		III	Truong Xuan Commune Electric Line	Dak Nong
230		20		III	Nhon Co Commune Electric Line	Dak Rlap

Attachment 2
Survey Completion Record

Progress Completion with Date

Survey Progress

As of 8/31/2010

Province	No. of Sub-Project (initial)	No. of Sub-Project (amended)	Progress	Date of Completion
An Giang	16	16	completed	2-Jun.
Ba Ria Vung Tau	4	4	completed	10-May.
Bac Giang	23	23	completed	N1=7-Apr. / N2=18-Jun.
Bac Kan	5	5	completed	1-Jul.
Bac Lieu	6	6	completed	26-Jun.
Bac Ninh	8	8	completed	15-Jun.
Ben Tre	5	5	completed	30-Jun.
Binh Dinh	11	11	completed	28-Jul.
Binh Duong	4	4	completed	06-May.
Binh Phuoc	7	7	completed	07-May.
Binh Thuan	15	15	completed	14-May.
Ca Mau	6	6	completed	8-Jul.
Can Tho				
Cao Bang	13	13	completed	15-May.
Da Nang	7	7	completed	12-Jul.
Dac Lak	9	9	completed	19-Aug
Dak Nong	4	4	completed	20-Aug.
Dien Bien	1	1	completed	2-Aug.
Dong Nai	0	0		
Dong Thap	8	8	completed	1-Jun.
Gia Lai	8	11	completed	17-Aug.
Ha Giang	5	5	completed	23-Jun.
Ha Nam	11	11	completed	03-Jun.
Ha Noi(including former HaTay)	8	8	completed	20-Aug
Ha Tinh	26	26	completed	6-Aug.
Hai Duong	8	8	completed	N2=25-Jun.
Hai Phong	1	1	completed	23-Aug
Hau Giang	4	4	completed	8-Jun.
Hoa Binh	11	11	completed	N1=19-Apr. / N2= 18-May
Hung Yen	7	7	completed	8-Jun.
Khanh Hoa	8	8	completed	3-Aug.
Kien Giang	4	4	completed	16-Jun.
Kon Tum	6	7	completed	11-Aug
Lai Chau	7	7	completed	4-Aug.
Lam Dong	11	11	completed	31-Jul.
Lang Son	8	8	completed	17-Aug.
Lao Cai	14	14	completed	15-Jul
Long An	3	3	completed	20-May.
Nam Dinh	15	15	completed	11-Jun.
Nghe An	13	13	completed	31-Jul.
Ninh Binh	9	9	completed	2-Jun.
Ninh Thuan	11	11	completed	19-May.
Phu Tho	19	19	completed	N1=21-Apr. / N2=20-May
Phu Yen	9	9	completed	31-Jul.
Quang Binh	10	10	completed	10-Aug.
Quang Nam	11	11	completed	19-Jul.
Quang Ngai	9	9	completed	24-Jul.
Quang Ninh	1	1	completed	18-Aug
Quang Tri	13	13	completed	13-Aug.
Soc Trang	7	7	completed	24-Jun.
Son La	10	10	completed	1-Aug.
Tay Ninh	4	4	completed	05-May.
Thai Binh	8	8	completed	9-Jun.
Thai Nguyen	8	8	completed	16-Aug.
Thanh Hoa	10	10	completed	24-Jul.
Thua-Thien Hue	10	10	completed	15-Jul.
Tien Giang	9	9	completed	24-Jun.
Tra Vinh	6	6	completed	11-Jun.
Tuyen Quang	8	8	completed	25-Jun.
Vinh Long	4	4	completed	10-Jun.
Vinh Phuc	8	8	completed	13-Aug
Yen Bai	8	8	completed	N1=23-Apr / N2=25-May
Total	522	526		
Completed (No. of project)	522	526		
Completed (%)	100.00%	100.00%		

Attachment 3
Overview of Sub-Project

Region	Province	SPL	Sub-Project	(MV+LV) Line (km)	Transformer (kVA)	OM/M Organization	Problem
NE	Ha Giang	II	Dong Van-Meo Vac Electric Line	19.2	180.0	EVN member	
NE	Ha Giang	II	Ma So-Lung Tao Commune Electric Line	5.1	50.0	EVN member	
NE	Ha Giang	III	Ligh System of Ha Giang Town	44.5	0	EVN member	
NE	Ha Giang	III	Thang Tin Commune Electric Line	43.5	175	EVN member	
NE	Ha Giang	V	Then Chu Phin commune Electric Line	0	0	EVN member	Completed, in operation since 2003 by provincial budget, can not be listed as SPLV (2006)
NE	Cao Bang	I	Be Trieu Electric Network	236	680.0	EVN member	
NE	Cao Bang	II	Be Trieu Electric Network	0	680.0	EVN member	
NE	Cao Bang	II	Hung Quoes Electric Network	21.1	400.0	EVN member	
NE	Cao Bang	III	Ta Lung Electric Network	42.3	607	EVN member	
NE	Cao Bang	III	Dam Thuy Electric Network	15.6	210	EVN member	
NE	Cao Bang	IV	Kham Thanh Commune Electric Line	14.9	126.0	EVN member	
NE	Cao Bang	IV	Phuc Xen Commune Electric Line	12.6	182.0	EVN member	
NE	Cao Bang	IV	Quang Trong-Canh Tan Commune Electric Network	58.6	425.0	EVN member	
NE	Cao Bang	IV	Minh Tam Commune Electric Line	11.5	31.5	EVN member	
NE	Cao Bang	IV	Hong Viet Commune Electric Line	10.2	206.5	EVN member	
NE	Cao Bang	IV	Hung Dao Commune Electric Line	16.2	300.0	EVN member	
NE	Cao Bang	IV	Nguyen Hue Commune Electric Line	10.2	0.0	EVN member	
NE	Cao Bang	V	Cat Dinh-Hong Dai Communes Electricity System	39.2	400	EVN member	
NE	Lao Cai	I	Vo Lao Commune Electric Line	6.8	0.0	EVN member	
NE	Lao Cai	I	Minh Tan Commune Electric Line	3.5	180.0	EVN member	
NE	Lao Cai	I	Dien Quan Commune Electric Line	3.8	180.0	EVN member	
NE	Lao Cai	II	Gia Phu Commune Electric	5.6	0.0	EVN member	
NE	Lao Cai	II	Ban Phiet Commune Electric	8	180.0	EVN member	
NE	Lao Cai	II	Dong Tuyen Commune Electric	3.5	280.0	EVN member	
NE	Lao Cai	II	Ban Lau Commune Electric	3.9	0.0	EVN member	
NE	Lao Cai	II	Phong Hai Commune Electric	7.9	180.0	EVN member	
NE	Lao Cai	II	Tang Loong Commune Electric	6	180.0	EVN member	
NE	Lao Cai	III	Bao Nhai Electric Network	10.5	200	EVN member	
NE	Lao Cai	III	Ta Phoi Electric Network	8.9	200	EVN member	
NE	Lao Cai	III	Muon Vi Electric Network	3.9	100	EVN member	
NE	Lao Cai	IV	Nam Ma Commune Electric Line	4.9	100.0	EVN member	
NE	Lao Cai	IV	Xuan Hoa Commune Electric Line	10.4	100.0	EVN member	
NE	Tuyen Quang	I	Tuyen Quang Town-Dao Vien-Dong Da Electric Network	7.3	100.0	EVN member	
NE	Tuyen Quang	I	Trung Son-Trung Yen Electric Network	22.3	200.0	EVN member	
NE	Tuyen Quang	II	35KV-Ngoc Hoi-Kien Dai Electric Line	23.8	460.0	EVN member	
NE	Tuyen Quang	II	35KV-Quang Linh-Tri Phi-Linh Phu Electric Line	20.7	400.0	EVN member	
NE	Tuyen Quang	III	Vinh Quang -Binh Nhan Transformer and Electric Line	36.1	600	EVN member	
NE	Tuyen Quang	III	Tan Yen-Bach Nha Transformer and Electric Line	89.57	1600	EVN member	
NE	Tuyen Quang	IV	Electric Line and Transformer in Binh Yen Commune	24.6	500.0	EVN member	

Region	Province	SPL	Sub-Project	(MV+LV) Line (km)	Transformer (kVA)	OM/M Organization	Problem
NE	Tuyen Quang	V	Construction TFS Station in Hung Loi-Trung Minh Commune	16.4	475	EVN member	
NE	Bac Kan	I	Kim Lu-Na Ri Commune Electric Line	14	375.0	EVN member	
NE	Bac Kan	II	6 Communes in Cho Don Town Electric Line	202	811.0	EVN member	
NE	Bac Kan	III	Electric Network in Southern of Cho Don District	51	563	EVN member	
NE	Bac Kan	III	Phuong Vien-Ra Ban Commune Electric Line	18.2	300	EVN member	
NE	Bac Kan	V	Pac Nam Commune Electric Network	35.3	320	EVN member	
NE	Lang Son	I	Dong Giap Electric Network	5.5	100.0	EVN member	
NE	Lang Son	I	Yen Tich Electric Network	5.5	100.0	EVN member	
NE	Lang Son	II	Hoa Lac-Hoa Son-Tan Thanh Electric Line	91	680.0	EVN member	
NE	Lang Son	II	Binh Gia-Pac Thuong Electric Line	16.9	540.0	EVN member	
NE	Lang Son	III	Chien Thang Transformer and Electric Line	22	380	EVN member	
NE	Lang Son	III	Southern of Loc Binh Transformer and Electric Line	5	380	EVN member	
NE	Lang Son	III	Hoi Hoan Transformer and Electric Line	23.3	410	EVN member	
NE	Lang Son	V	0.4KV Electric Line in Binh Gia, Bac Son District	101.27	0	EVN member	
NE	Yen Bai	I	Nghia Tam Commune Electric Line	64.5	780.0	EVN member	
NE	Yen Bai	II	Nghia Tam Commune Electric Line	46.8	300.0	EVN member	
NE	Yen Bai	III	Phinh Ho Commune Electric Line	3.9	100	EVN member	
NE	Yen Bai	III	Cuong Thinh Commune Electric Line	14.6	175	EVN member	
NE	Yen Bai	III	Minh Quan Commune Electric Line	21.4	300	EVN member	
NE	Yen Bai	III	Nghia Loi Commune Electric Line	10.2	200	EVN member	
NE	Yen Bai	III	Tan Thinh Commune Electric Line	15.6	255	EVN member	
NE	Yen Bai	V	Lam Thuong Electric Network	16.3	0	EVN member	
NE	Thai Nguyen	I	Dinh Hoa Electric Line	26.8	800.0	EVN member	
NE	Thai Nguyen	I	Van Han Electric Line	53.2	2130.0	EVN member	
NE	Thai Nguyen	II	ATK Area Electric Line	138.8	2530.0	EVN member	
NE	Thai Nguyen	II	Ky Phu Commune Electric Line	9.5	830.0	EVN member	
NE	Thai Nguyen	II	Van Han Commune Electric Line	51.1	500.0	EVN member	
NE	Thai Nguyen	II	Phu Thuong Commune Electric Line	24	860.0	EVN member	
NE	Thai Nguyen	IV	Tan Phu Commune Electric Line	7.9	610.0	EVN member	
NE	Thai Nguyen	V	Tan Khanh-Phu Binh Commune Electric Network	8	160	EVN member	
NE	Phu Tho	I	Huong Nha Commune Electric Line	15.5	530.0	EVN member	
NE	Phu Tho	I	Tinh Cuong Commune Electric Line	2.7	280.0	EVN member	
NE	Phu Tho	I	Van Phu Commune Electric Line	2.7	100.0	EVN member	
NE	Phu Tho	I	Thanh Minh Commune Electric Line	4.1	100.0	EVN member	
NE	Phu Tho	I	Hong Da Commune Electric Line	14.2	450.0	EVN member	
NE	Phu Tho	I	Cao Mai Commune Electric Line	14.4	905.0	EVN member	
NE	Phu Tho	I	Gia Thanh Commune Electric Line	1.9	180.0	EVN member	
NE	Phu Tho	II	Phuc Lai Commune Electric Line	21.1	490.0	EVN member	
NE	Phu Tho	II	Dinh Bo Commune Electric Line	2.8	180.0	EVN member	
NE	Phu Tho	II	Chuong Xa Commune Electric Line	10.5	230.0	EVN member	

Region	Province	SPL	Sub-Project	(MV+LV) Line (km)	Transformer (kVA)	OM/M Organization	Problem
NE	Phu Tho	II	Phuong Vien Commune Electric Line	14.6	420.0	EVN member	
NE	Phu Tho	II	Phuong Thinh Commune Electric Line	4	280.0	EVN member	
NE	Phu Tho	II	Phu Nham Commune Electric Line	2.8	100.0	EVN member	
NE	Phu Tho	II	Trung Nghia Commune Electric Line	12.8	430.0	EVN member	
NE	Phu Tho	IV	Tu Vu Commune Electric Line	16.3	720.0	EVN member	
NE	Phu Tho	IV	Xuong Thinh-Tung Khe Commune Electric Line	18.6	280.0	EVN member	
NE	Phu Tho	IV	Nang Yen Commune Electric Line	12.6	540.0	EVN member	
NE	Phu Tho	IV	Minh Dai-Thu Cuc Commune Electric Line	68.3	1310.0	EVN member	
NE	Phu Tho	V	Electric Network in 8 Communes in Yen Lap District	39.9	0	EVN member	
NE	Bac Giang	I	Tuan Dao Commune Electric Commune	7.1	300.0	EVN member	
NE	Bac Giang	I	Tuan Soi Commune Electric Commune	3.8	200.0	EVN member	
NE	Bac Giang	I	Danh Thang Commune Electric Commune	13.1	380.0	EVN member	
NE	Bac Giang	I	Dong Phuc Commune Electric Commune	17.9	710.0	EVN member	
NE	Bac Giang	I	Phuong Son Commune Electric Commune	5.8	150.0	EVN member	
NE	Bac Giang	I	Kham Lang Commune Electric Commune	3	150.0	EVN member	
NE	Bac Giang	I	Dan Hoi Commune Electric Commune	6.7	180.0	EVN member	
NE	Bac Giang	I	Tam Tien Commune Electric Commune	3.9	300.0	EVN member	
NE	Bac Giang	I	Canh Nau Commune Electric Commune	12.5	460.0	EVN member	
NE	Bac Giang	I	Quang Thinh Commune Electric Commune	8.5	840.0	EVN member	
NE	Bac Giang	I	Lien Son Commune Electric Commune	9.8	380.0	EVN member	
NE	Bac Giang	I	Neo Town Commune Electric Commune	7.9	540.0	EVN member	
NE	Bac Giang	I	Huong Lam Commune Electric Commune	14.3	1080.0	EVN member	
NE	Bac Giang	II	Dong Vuong Commune Electric Line	18.5	350.0	EVN member	
NE	Bac Giang	II	Tan Moc Commune Electric Line	15	200.0	EVN member	
NE	Bac Giang	II	An Chau Commune Electric Line	9.8	460.0	EVN member	
NE	Bac Giang	II	Van Ha Commune Electric Line	9.6	950.0	EVN member	
NE	Bac Giang	II	Yen Son Commune Electric Line	10	480.0	EVN member	
NE	Bac Giang	III	Truong Son Commune Electric Line	12.8	350	EVN member	
NE	Bac Giang	III	Tan Lieu Commune Electric Line	10.2	355	EVN member	
NE	Bac Giang	III	Tam Lap Commune Electric Line	7.9	255	EVN member	
NE	Bac Giang	III	Que Son Commune Electric Line	9.5	300	EVN member	
NE	Bac Giang	V	Truong Son Commune Electric Line	7.5	250	EVN member	
NE	Quang Ninh	II	Transformer in Westen of Ha Long City	12.2	1610.0	EVN member	
			NE Sub-Total	2549.74	4511.0		
NW	Lai Chau	I	Binh Lu Electric Network (stage 1 and 2)	8.6	0.0	EVN member	
NW	Lai Chau	I	Van Hoa Commune Electric Line	7.3	100.0	EVN member	
NW	Lai Chau	I	Muong Khoa Commune Electric Line	3.5	0.0	EVN member	
NW	Lai Chau	I	Minh Thanh Commune Electric Line	3.5	360.0	EVN member	
NW	Lai Chau	I	Ban Bo Commune Electric Line	4.6	0.0	EVN member	
NW	Lai Chau	IV	Than Thuoc Commune Electric Line	9.5	200.0	EVN member	

Region	Province	SPL	Sub-Project	(MV+LV) Line (km)	Transformer (kVA)	OM/M Organization	Problem
NW	Lai Chau	V	Nam Can-Bac Ta Electric Network	11.4	150	EVN member	
NW	Dien Bien	I	Dien Bien Electric Network	10	400.0	EVN member	
NW	Son La	I	Phieng Tam Commune Electric Line	35	550.0	EVN member	
NW	Son La	I	Phieng Cha Electric Network	24.8	460.0	EVN member	
NW	Son La	II	Chieng Pha Commune Electric Line	0	460.0	EVN member	
NW	Son La	II	Co Noi Commune Electric Line	0	0.0	EVN member	
NW	Son La	II	Phieng Tam Commune Electric Line	8	100.0	EVN member	
NW	Son La	III	Chieng Pha Commune Electric Line	25.6	460	EVN member	
NW	Son La	III	Phieng Tam Commune Electric Line	39.2	550	EVN member	
NW	Son La	III	Chieng Mung-Tong Co-Phieng Tam-Phieng Pha and Co Noi	0	0		Reallocation of JBIC fund to other project
NW	Son La	III	Co Noi Commune Electric Line	36.8	1270	EVN member	
NW	Son La	V	Co Ma Commune Electric Line	60	32	EVN member	
NW	Hoa Binh	I	Tan My Commune Electric Line	21.7	460.0	EVN member	
NW	Hoa Binh	I	Lac Thinh Commune Electric Line	16.5	460.0	EVN member	
NW	Hoa Binh	II	Phu Cuong Commune Electric Line	26.9	75.0	EVN member	
NW	Hoa Binh	II	Tan My Commune Electric Line	3.5	100.0	EVN member	
NW	Hoa Binh	II	Nhan Trach Commune Electric Line	14	540.0	EVN member	
NW	Hoa Binh	II	Hop Thinh Commune Electric Line	12.5	590.0	EVN member	
NW	Hoa Binh	II	Lac Thinh Commune Electric Line	55	160.0	EVN member	
NW	Hoa Binh	III	Phu Cuong Commune Electric Line	32.1	775	EVN member	
NW	Hoa Binh	III	Van Son Commune Electric Line	33.6	530	EVN member	
NW	Hoa Binh	III	Hop Kim Commune Electric Line	12.9	175	EVN member	
NW	Hoa Binh	V	Thien Chi-Lac Son Commune Electric Line	3	180	EVN member	
			NW Sub-Total	519.5	9137		
RRD	Vinh Phuc	I	Quang Son Electric Line	18	500.0	EVN member	
RRD	Vinh Phuc	I	Xuan Hoa Electric Line	15	900.0	EVN member	
RRD	Vinh Phuc	I	Yen Lac Town Electric Line	4.3	430.0	EVN member	
RRD	Vinh Phuc	II	Huong Dao Commune Electric Line	10.8	880.0	EVN member	
RRD	Vinh Phuc	II	NguKiem-VinhThinh Commune Electric Line	7.5	0.0	EVN member	
RRD	Vinh Phuc	II	Bo Ly Commune Electric Line	15	680.0	EVN member	
RRD	Vinh Phuc	IV	Electric Network in 4 Communes in Lap Thach District	43	1070.0	EVN member	
RRD	Vinh Phuc	IV	Electric Network in 6 Communes in Tam Duong District	20.8	2080.0	EVN member	
RRD	Bac Ninh	I	Yen Phong Electric Line	5.4	160.0	EVN member	
RRD	Bac Ninh	I	Phong Khe Electric Line	4.3	300.0	EVN member	
RRD	Bac Ninh	I	Giang Son Electric Line	3.2	100.0	EVN member	
RRD	Bac Ninh	II	Pho Moi Electric Network	2	320.0	EVN member	
RRD	Bac Ninh	II	Van Tuong Commune Electric Commune	2.5	250.0	EVN member	
RRD	Bac Ninh	II	Trung Xa Commune Electric Commune	0	0.0	EVN member	was broken, other EVN project completed and in-operation
RRD	Bac Ninh	II	Vu Ninh Commune Electric Commune	5.8	180.0	EVN member	

Region	Province	SPL	Sub-Project	(MV+LV) Line (km)	Transformer (kVA)	OM/M Organization	Problem
RRD	Bac Ninh	II	Ho Town Commune Electric Commune	8.8	740.0	EVN member	
RRD	Ha Noi	I	Phu Man Commune Electric Line	7.5	280.0	EVN member	
RRD	Ha Noi	I	Duong Lam Commune Electric Line	12.6	840.0	EVN member	
RRD	Ha Noi	I	Van Hoa Commune Electric Line	20	720.0	EVN member	
RRD	Ha Noi	I	Nam Phuong Tien Commune Electric Line	13.7	1450.0	EVN member	
RRD	Ha Noi	II	Ba Vi Commune Electric Line	10	330.0	EVN member	
RRD	Ha Noi	II	Nam Phuong Tien Commune Electric Line	13.7	1450.0	EVN member	
RRD	Ha Noi	II	Lien Quan Town Electric Line	7.2	460.0	EVN member	
RRD	Ha Noi	II	Hien Giang Electric Line	14.7	620.0	EVN member	
RRD	Hai Duong	I	Hai Duong Town Electric Network	7.5	0.0	EVN member	
RRD	Hai Duong	I	Ninh Giang District Electric Network	2.8	250.0	EVN member	
RRD	Hai Duong	I	Tu Ky District Electric Network	2.8	180.0	EVN member	
RRD	Hai Duong	II	Thanh Ha District Electric Line	2.5	0.0	EVN member	
RRD	Hai Duong	II	Ninh Giang District Electric Line	3.3	0.0	EVN member	
RRD	Hai Duong	II	Binh Giang District Electric Line	1.5	180.0	EVN member	
RRD	Hai Duong	II	Kinh Mon District Electric Line	4.6	100.0	EVN member	
RRD	Hai Duong	II	Light System of Hai Duong City	5.5	0.0	EVN member	
RRD	Hung Yen	I	An Thi Electric Line	0.6	640.0	EVN member	
RRD	Hung Yen	I	Phu Cu Electric Line	23.8	1980.0	EVN member	
RRD	Hung Yen	II	Dien Vuong-Tien Lu Electric System	2.6	180.0	EVN member	
RRD	Hung Yen	II	Khoai Chau Town Electric Line	1.8	250.0	EVN member	
RRD	Hung Yen	II	Luong Bang-Kim Dong Electric Network	1.9	360.0	EVN member	
RRD	Hung Yen	II	My Hao Commune Electric Line	2.1	180.0	EVN member	
RRD	Hung Yen	II	Ha Le-An Thi Electric Network	1.8	250.0	EVN member	
RRD	Hai Phong	II	Vinh Bao Town Electric Line	6.7	540.0	EVN member	
RRD	Thai Binh	I	Vu Thu Electric Network	8.2	100.0	EVN member	
RRD	Thai Binh	I	Tien Hai Electric Network	17.7	315.0	EVN member	
RRD	Thai Binh	I	Kien Xuong Electric Network	21.8	315.0	EVN member	
RRD	Thai Binh	II	Tien Hai Electric Network	5.4	250.0	EVN member	
RRD	Thai Binh	II	Hung Ha Electric Network	18	0.0	EVN member	
RRD	Thai Binh	II	Diem Dien Electric Network	4.5	180.0	EVN member	
RRD	Thai Binh	II	Dong Hung Electric Network	6	250.0	EVN member	
RRD	Thai Binh	II	Quynh Coi Electric Network	8.5	500.0	EVN member	
RRD	Ha Nam	I	Vinh Tru Commune Electric Line	4.6	560.0	EVN member	
RRD	Ha Nam	I	Hoa Mac Commune Electric Line	9	300.0	EVN member	
RRD	Ha Nam	I	Vu Ban Commune Electric Line	17.5	3780.0	EVN member	
RRD	Ha Nam	I	Kien Khe Commune Electric Line	8	500.0	EVN member	
RRD	Ha Nam	I	Binh My Commune Electric Line	10	630.0	EVN member	
RRD	Ha Nam	I	Nhat Tan Commune Electric Line	8	750.0	EVN member	
RRD	Ha Nam	II	Duc Ly Commune Electric	0.2	360.0	EVN member	

Region	Province	SPL	Sub-Project	(MV+LV) Line (km)	Transformer (kVA)	OM/M Organization	Problem
RRD	Ha Nam	II	Chau Son Commune Electric	2.7	100.0	EVN member	
RRD	Ha Nam	II	Hung Cong Commune Electric	3.7	180.0	EVN member	
RRD	Ha Nam	II	Dong Ly Commune Electric	2.5	260.0	EVN member	
RRD	Ha Nam	II	Thuy Loi Commune Electric	5.3	360.0	EVN member	
RRD	Nam Dinh	I	Nam My Commune Electric Line	3.5	0.0	EVN member	
RRD	Nam Dinh	I	Tam Thanh Commune Electric Line	2.7	0.0	EVN member	
RRD	Nam Dinh	I	Hong Thuan Commune Electric Line	6.4	0.0	EVN member	
RRD	Nam Dinh	I	Thinh Long Commune Electric Line	16.2	0.0	EVN member	
RRD	Nam Dinh	I	Nam Thuong-Dong Long Commune Electric Line	4.4	0.0	EVN member	
RRD	Nam Dinh	I	Yen Trinh Commune Electric Line	5.9	0.0	EVN member	
RRD	Nam Dinh	I	Hai Trieu Commune Electric Line	2.5	0.0	EVN member	
RRD	Nam Dinh	II	Xuan Chau Commune Electric Line	2.9	180.0	EVN member	
RRD	Nam Dinh	II	Hop Hung Commune Electric Line	4.1	320.0	EVN member	
RRD	Nam Dinh	II	Hai Son Commune Electric Line	2	250.0	EVN member	
RRD	Nam Dinh	II	Giao Hai Commune Electric Line	4	610.0	EVN member	
RRD	Nam Dinh	II	Lam Town Electric Line	3.2	180.0	EVN member	
RRD	Nam Dinh	II	Xuan Tien Commune Electric Line	3.2	250.0	EVN member	
RRD	Nam Dinh	II	Tan Thinh Commune Electric Line	12.2	500.0	EVN member	
RRD	Nam Dinh	II	Hai Minh Commune Electric Line	4.3	100.0	EVN member	
RRD	Ninh Binh	I	Quynh Luu Commune Electric Network	4.5	750.0	EVN member	
RRD	Ninh Binh	I	Khanh Van Commune Electric Line	9.5	300.0	EVN member	
RRD	Ninh Binh	I	Hung Tien Commune Electric Line	4	610.0	EVN member	
RRD	Ninh Binh	I	Da Han Trade Center Electric Network	6.6	530.0	EVN member	
RRD	Ninh Binh	II	Xich Tho Commune Electric	3.7	30.0	EVN member	
RRD	Ninh Binh	II	Khanh Cu Commune Electric	4.5	80.0	EVN member	
RRD	Ninh Binh	II	Ninh Khanh Commune Electric	1.9	80.0	EVN member	
RRD	Ninh Binh	II	Thuong Kiem Commune Electric	7.6	100.0	EVN member	
RRD	Ninh Binh	II	Quynh Luu Commune Electric Network	1.7	50.0	EVN member	
			RRD Sub-Total	620.7	34440.0		
NCC	Thanh Hoa	I	My Tan Ngoc Khe Electric Line	21.3	165.0	EVN member	
NCC	Thanh Hoa	I	Hoa Quy Commune Electric Line	8.8	350.0	EVN member	
NCC	Thanh Hoa	I	Xuan Cam Electric line	9.5	175.0	EVN member	
NCC	Thanh Hoa	II	Dong Khanh Trade Center Electric Line	15.4	0.0	EVN member	
NCC	Thanh Hoa	II	Yen Ninh Commune Electric Line	5.5	125.0	EVN member	
NCC	Thanh Hoa	II	Yen Hung Commune Electric Line	5.4	100.0	EVN member	
NCC	Thanh Hoa	II	Truong Lam Commune Electric Line	7.1	175.0	EVN member	
NCC	Thanh Hoa	II	Cam Long Commune Electric Line	8.5	280.0	EVN member	
NCC	Thanh Hoa	II	Dinh Hai Commune Electric Line	11.2	325.0	EVN member	
NCC	Thanh Hoa	IV	Quang Phu Commune Electric Line	31.4	475.0	EVN member	
NCC	Nghe An	I	Giai Xuan Electric Network	9.9	920.0	EVN member	

Region	Province	SPL	Sub-Project	(MV+LV) Line (km)	Transformer (kVA)	OM/M Organization	Problem
NCC	Nghè An	I	Thanh Hung Electric Network	12.7	890.0	EVN member	
NCC	Nghè An	I	Cao Son Electric Network	12	750.0	EVN member	
NCC	Nghè An	II	Nghĩa Phuc Commune Electric Line	31.9	940.0	EVN member	
NCC	Nghè An	II	Thanh Ngoc Commune Electric Line	37.3	1400.0	EVN member	
NCC	Nghè An	II	Vinh Son Commune Electric Line	7.4	500.0	EVN member	
NCC	Nghè An	III	Nghi Van Commune Electric Line	26.7	660	EVN member	
NCC	Nghè An	III	Muong Noc Commune Electric Line	26.7	450	EVN member	
NCC	Nghè An	III	Yen Tinh Commune Electric Line	15	200	EVN member	
NCC	Nghè An	IV	Thanh An Commune Electric Line	31.5	780.0	EVN member	
NCC	Nghè An	IV	Thach Ngan Commune Electric Line	17.9	200.0	EVN member	
NCC	Nghè An	V	Nghĩa Thanh Commune Electric Line	85.8	850	EVN member	
NCC	Nghè An	V	Binh Chuan Commune Electric Line	36	400	EVN member	
NCC	Ha Tinh	I	Huong Khe Distric Electric Network	34	1080.0	EVN member	
NCC	Ha Tinh	I	Huong Son Distric Electric Network	18.5	360.0	EVN member	
NCC	Ha Tinh	I	Thach Ha Distric Electric Network	12.8	540.0	EVN member	
NCC	Ha Tinh	I	Dai Nai-Ha Tinh Town Electric	8.3	100.0	EVN member	
NCC	Ha Tinh	I	Hong Linh Electric	4.8	0.0	EVN member	
NCC	Ha Tinh	I	Ky Tan-Ky Ha Electric	9.8	0.0	EVN member	
NCC	Ha Tinh	I	Duc Tho Distric Electric Network	16.4	540.0	EVN member	
NCC	Ha Tinh	I	Can Loc Distric Electric Network	25.1	720.0	EVN member	
NCC	Ha Tinh	I	Cam Xuyen Distric Electric Network	9.7	540.0	EVN member	
NCC	Ha Tinh	I	Nghi Xuan Distric Electric Network	15.5	540.0	EVN member	
NCC	Ha Tinh	I	Thai Yen Distric Electric Network	8.2	360.0	EVN member	
NCC	Ha Tinh	II	Transformer 10KV Huong Xuan-Huong Lien	12	360.0	EVN member	
NCC	Ha Tinh	II	Transformer 10KV Binh Loc-Thinh Loc	1.2	0.0	EVN member	
NCC	Ha Tinh	II	Son Truong Commune Electric Line	7.5	430.0	EVN member	
NCC	Ha Tinh	II	Thach Vinh Commune Electric Line	5.4	0.0	EVN member	
NCC	Ha Tinh	II	Thai Yen Distric Electric Network	5.7	180.0	EVN member	
NCC	Ha Tinh	II	Cay Town Electric Network	1.2	0.0	EVN member	
NCC	Ha Tinh	II	Hong Linh Commune Electric Line	6.4	0.0	EVN member	
NCC	Ha Tinh	II	Son Thuy-Le Thuy Commune Electric Line	6.5	180.0	EVN member	
NCC	Ha Tinh	II	Xuan Thanh Commune Electric Line	5.5	180.0	EVN member	
NCC	Ha Tinh	II	Son Mai-Thanh Mai Electric Network	6.2	180.0	EVN member	
NCC	Ha Tinh	IV	Ky Lam-Ky Thinh Commune Electric Network	55.5	400.0	EVN member	
NCC	Ha Tinh	IV	Son Bang-Son Thinh Commune Electric Network	41.2	500.0	EVN member	
NCC	Ha Tinh	IV	Quang Loc-My Loc Commune Electric Network	37.1	680.0	EVN member	
NCC	Ha Tinh	IV	Cam Nhung-Cam Due Commune Electric Network	27.7	460.0	EVN member	
NCC	Ha Tinh	V	Thach Ha Distric Electric Network	1.2	0	EVN member	
NCC	Quang Binh	I	Quang Lau Electric	18.1	550.0	EVN member	
NCC	Quang Binh	I	Son Loc-Phu Dinh Electric	38.4	950.0	EVN member	

Region	Province	SPL	Sub-Project	(MV+LV) Line (km)	Transformer (kVA)	OM/M Organization	Problem
NCC	Quang Binh	I	Kim Van-Truong Thuy Electric	172.3	1640.0	EVN member	
NCC	Quang Binh	I	Bac Truong Xuan Electric	102.7	650.0	EVN member	
NCC	Quang Binh	I	Quang Tung-Quang Chau-Quang Tien Electric	56.2	1740.0	EVN member	
NCC	Quang Binh	I	Mai Phong-Tien Hoa Electric	15.1	350.0	EVN member	
NCC	Quang Binh	II	Kim Thuy-Van Thuy-Truong Thuy Electric Network	124.1	600.0	EVN member	
NCC	Quang Binh	II	Transformer 20KV of Quang Tung-Chau Tien	161.9	1740.0	EVN member	
NCC	Quang Binh	II	Quang Luu-Quang Trach Electric Network	161.6	750.0	EVN member	
NCC	Quang Binh	III	Dan Hoa Commune Electric Line	40.3	330	EVN member	
NCC	Quang Tri	I	Vinh Tu Commune Electric	18	350.0	EVN member	
NCC	Quang Tri	I	Cam Tuyen Commune Electric	23.3	290.0	EVN member	
NCC	Quang Tri	I	Trieu Lang Commune Electric	21.2	200.0	EVN member	
NCC	Quang Tri	II	Gio Linh Commune Electric Line	19.8	411.5	EVN member	
NCC	Quang Tri	II	Huong Hoa Commune Electric Line	31	244.5	EVN member	
NCC	Quang Tri	II	Ba Long Commune Electric Line	19.1	400.0	EVN member	
NCC	Quang Tri	III	Gio My Commune Electric Line	22.3	432	EVN member	
NCC	Quang Tri	III	Thanh Commune Electric Line	29.8	325	EVN member	
NCC	Quang Tri	III	A Tuc Commune Electric Line	16.1	170	EVN member	
NCC	Quang Tri	IV	Trieu Thuong Commune Electric Line	30.5	491.0	EVN member	
NCC	Quang Tri	IV	Electric Network in New Economic area in South of Ben Hai	37.5	419.5	EVN member	
NCC	Quang Tri	IV	Huong Hung Commune Electric Line	41.5	633.5	EVN member	
NCC	Quang Tri	V	Vinh Linh and Cam Lo Electric Line	146	600	EVN member	
NCC	Thua-Thien	I	Hai Duong Commune Electric Network	14.3	530.0	EVN member	
NCC	Thua-Thien	I	Phu Dien Commune Electric Network	16	1110.0	EVN member	
NCC	Thua-Thien	I	Loc Vinh Commune Electric Network	11.1	150.0	EVN member	
NCC	Thua-Thien	II	Vinh Ha Commune Electric Line	12.1	820.0	EVN member	
NCC	Thua-Thien	II	Duong Hoa War Zone Electric Line	37.1	610.0	EVN member	
NCC	Thua-Thien	II	Vinh Thai Commune Electric Line	11	480.0	EVN member	
NCC	Thua-Thien	II	Binh Dien Commune Electric Line	14.9	590.0	EVN member	
NCC	Thua-Thien	II	Vinh My Commune Electric Line	13.7	1070.0	EVN member	
NCC	Thua-Thien	II	Bac Hien Commune Electric Line	11.1	370.0	EVN member	
NCC	Thua-Thien	V	Electric Line in area 3 of Phu Loc Distric	7.4	100	EVN member	
			NCC Sub-Total	2353.8	39536		
SCC	Da Nang	I	Hoa Phong Commune Electric	19	560.0	EVN member	
SCC	Da Nang	II	Hoa Phu Commune Electric Line	11.5	400.0	EVN member	
SCC	Da Nang	II	Hoa Phong Commune Electric	19	560.0	EVN member	
SCC	Da Nang	III	Hoa Phat Commune Electric Line	9.5	610	EVN member	
SCC	Da Nang	III	Electric Network and Transformer in Hoa Hai Ward	22.8	1070	EVN member	
SCC	Da Nang	III	Electric Network and Transformer in Hoa Son Ward	9.3	560	EVN member	
SCC	Da Nang	III	Hoa Phong Commune Electric	7.9	180	EVN member	
SCC	Quang Nam	I	Binh Chanh Electric	8.5	200.0	EVN member	

Region	Province	SPL	Sub-Project	(MV+LV) Line (km)	Transformer (kVA)	OM/M Organization	Problem
SCC	Quang Nam	I	Dien Quang Electric	14.5	400.0	EVN member	
SCC	Quang Nam	I	Que Ninh Electric	11.2	400.0	EVN member	
SCC	Quang Nam	II	Dien Quang Electric	14.5	400.0	EVN member	
SCC	Quang Nam	II	Binh Duong Commune Electric Line	12.5	500.0	EVN member	Completed, not yet energized, waiting for the completion of District Hospital project implementation as main power customer
SCC	Quang Nam	II	Binh Dinh Commune Electric Line	20.2	460.0	EVN member	
SCC	Quang Nam	III	Binh Dinh Commune Electric Line	15.3	300	EVN member	
SCC	Quang Nam	III	Dien Trung Commune Electric Line	12.4	460	EVN member	
SCC	Quang Nam	III	Binh Lanh Commune Electric Line	8.5	300	EVN member	
SCC	Quang Nam	IV	Binh Quy Commune Electric Line	42.2	775.0	EVN member	
SCC	Quang Nam	V	Hiep Duc Electric Network	36	880	EVN member	
SCC	Quang Ngai	I	Tu Nghia Electric	5	200.0	EVN member	
SCC	Quang Ngai	I	Tinh Khe Commune Electric	17.7	780.0	EVN member	
SCC	Quang Ngai	I	Son Ha Distric Electric Network	9.9	460.0	EVN member	
SCC	Quang Ngai	II	Ly Son Island District Electric Network	7.8	320.0	EVN member	380kVA Generator didn't work more, after 5 operational years (since the commissioning time)
SCC	Quang Ngai	II	Son Ha Distric Electric Network	1.3	50.0	EVN member	
SCC	Quang Ngai	II	Tinh Tho Commune Electric Line	34.9	825.0	EVN member	
SCC	Quang Ngai	II	Binh Khuong Commune Electric Line	23.6	375.0	EVN member	
SCC	Quang Ngai	II	Phu Cuong Commune Electric Line	27.7	1055.0	EVN member	Project is completed and in operation, JBIC disbursement documents was not found out
SCC	Quang Ngai	II	Tra Bong Commune Electric Line	26.9	1240.0	EVN member	
SCC	Binh Dinh	I	Canh Nghiep-Canh Hoa-Canh Thuan Commune Electric	8.1	100.0	EVN member	
SCC	Binh Dinh	I	Vinh An Commune Electric	6	100.0	EVN member	
SCC	Binh Dinh	I	Cat Lam-Cat Nghiep Electric	18.8	400.0	EVN member	
SCC	Binh Dinh	II	Cat Thanh Commune Electric Line	8.4	280.0	EVN member	
SCC	Binh Dinh	II	An Hao Commune Electric Line	21.5	325.0	EVN member	
SCC	Binh Dinh	II	Hoai Hai Commune Electric Line	4	280.0	EVN member	
SCC	Binh Dinh	III	Cat Hai Commune Electric Line	15.1	250	EVN member	
SCC	Binh Dinh	III	Binh Thuan Commune Electric Line	17.9	300	EVN member	
SCC	Binh Dinh	III	My Tai Commune Electric Line	16.6	255	EVN member	
SCC	Binh Dinh	III	Tay Phu Commune Electric Line	0	0	0	Reallocation of JBIC fund to other project
SCC	Binh Dinh	V	Medium and low voltage electrical line in Canh Lien Commune	0	0	EVN member	Project name not yet listed & project site was not found out
SCC	Phu Yen	I	Xuan Phuoc Commune Electric	34	780.0	EVN member	
SCC	Phu Yen	II	Duc Binh Tay Commune Electric Line	25.4	500.0	EVN member	
SCC	Phu Yen	II	Son Hoa Commune Electric Line	11.2	200.0	EVN member	

Region	Province	SPL	Sub-Project	(MV+LV) Line (km)	Transformer (kVA)	OM/M Organization	Problem
SCC	Phu Yen	II	Xuan Tho 2 Commune Electric Line	12.2	460.0	EVN member	
SCC	Phu Yen	II	An Phu-An Chan-An My Commune Electric Line	17	840.0	EVN member	
SCC	Phu Yen	II	Hoai Hoi Commune Electric Line	15.8	350.0	EVN member	
SCC	Phu Yen	III	Son Giang Commune Electric Line	17	485	EVN member	
SCC	Phu Yen	III	Xuat Binh Commune Electric Line	19.2	685	EVN member	
SCC	Phu Yen	IV	Trung Trinh-Vung Nha-Tu Nham Commune Electric Network	27.9	720.0	EVN member	
SCC	Khanh Hoa	I	Ninh An Commune Electric	98.6	1207.0	EVN member	
SCC	Khanh Hoa	I	Suoi Cat Commune Electric	37.6	475.0	EVN member	
SCC	Khanh Hoa	II	Ninh Binh Commune Electric Line	18.3	1010.0	EVN member	
SCC	Khanh Hoa	II	Dien Lam Commune Electric Line	17.2	570.0	EVN member	
SCC	Khanh Hoa	II	Doc Da Trang Commune Electric Line	9.1	210.0	EVN member	
SCC	Khanh Hoa	III	Van Thanh Commune Electric Line	15.6	215	EVN member	
SCC	Khanh Hoa	III	Khanh Vinh Commune Electric Line	40	1110	EVN member	
SCC	Khanh Hoa	III	Phuoc Dong Commune Electric Line	26.4	370	EVN member	
			SCC Sub-Total	1008.5	26797		
CH	Kon Tum	I	Thuy Dien-Ngoc Linh Electric Network	2.6	50.0	EVN member	
CH	Kon Tum	I	Dak Mon-Dak Loong Electric Network	22.5	263.0	EVN member	
CH	Kon Tum	II	Dac Uy (Dac Ha) Electric Network	33.4	260.0	EVN member	
CH	Kon Tum	III	Ngoc Wang Commune Electric Line	35.2	1005	EVN member	
CH	Kon Tum	III	Ia-Chim Commune Electric Line	9.6	175	EVN member	
CH	Kon Tum	III	Dak-koi Commune Electric Line	37.4	350	EVN member	
CH	Kon Tum	V	Dak Ha Commune Electric Network	12	820	EVN member	
CH	Gia Lai	I	Ia-Doom Electric	27.6	445.0	EVN member	
CH	Gia Lai	I	Ia Blang Electric	29.5	1005.0	EVN member	
CH	Gia Lai	I	Ia Bang Electric	22.2	485.0	EVN member	
CH	Gia Lai	II	Ia Phi Commune Electric Line	10	100.0	EVN member	
CH	Gia Lai	II	Ia Hop (Chu Se) Commune Electric Line	5.2	100.0	EVN member	
CH	Gia Lai	II	Dakhlo (Kbang) Commune Electric Line	6.7	100.0	EVN member	
CH	Gia Lai	II	Chu Drang (Ayunpa) Commune Electric Line	15.5	320.0	EVN member	
CH	Gia Lai	III	Ea-Dreh Commune Electric Line	6.2	100	EVN member	
CH	Gia Lai	III	Eadok Commune Electric Line	24.1	350	EVN member	
CH	Gia Lai	III	Ia Lau Commune Electric Line	32	400	EVN member	
CH	Gia Lai	V	La Me Commune Electric Network	20.1	450	EVN member	
CH	Dac Lak	I	Ea-Drong Electric Network	18.8	150.0	EVN member	
CH	Dac Lak	I	Dak-Rong Electric Network	12.1	200.0	EVN member	
CH	Dac Lak	II	Eam Nang Commune Electric Line	19.1	320.0	EVN member	
CH	Dac Lak	II	Hoa Le Commune Electric Line	16.5	200.0	EVN member	
CH	Dac Lak	II	Krong Na Commune Electric Line	19.2	150.0	EVN member	
CH	Dac Lak	II	Phu Xuan Commune Electric Line	25.1	260.0	EVN member	
CH	Dac Lak	III	Hoa Thanh Commune Electric Line	18.6	275	EVN member	

Region	Province	SPL	Sub-Project	(MV+LV) Line (km)	Transformer (kVA)	OM/M Organization	Problem
CH	Dac Lak	IV	Ia Rieng Commune Electric Line	43.5	630.0	EVN member	
CH	Dac Lak	V	Electric Line in Highland Village Win Ea Kiet	33.1	750	EVN member	
CH	Dak Nong	I	Buon Don Electric Network	50.3	1060.0	EVN member	
CH	Dak Nong	II	Dak Gan Commune Electric Line	6.2	360.0	EVN member	
CH	Dak Nong	III	Truong Xuan Commune Electric Line	8.5	200	EVN member	
CH	Dak Nong	III	Nhon Co Commune Electric Line	25.1	650	EVN member	
CH	Lam Dong	I	Dinh Van-Phu Son Electric Network	29.8	1135.0	EVN member	
CH	Lam Dong	I	Dong Nai-Gia Vien-Tien Hoang Electric	18.5	1200.0	EVN member	
CH	Lam Dong	I	Da The-Trieu Hai Electric	32	1050.0	EVN member	
CH	Lam Dong	I	Madagui-Ha Lam-Dam Bri Electric Network	26.4	1200.0	EVN member	
CH	Lam Dong	II	Phuoc Cat 2 Commune Electric Line	25	300.0	EVN member	
CH	Lam Dong	II	Cung Re Commune Electric Line	14.7	645.0	EVN member	
CH	Lam Dong	II	22KV Madagui-Da Hoai	26.4	400.0	EVN member	
CH	Lam Dong	III	Loc Ngai Commune Electric Line 22KV	20.1	400	EVN member	
CH	Lam Dong	III	Loc Tan Commune Electric Line	18.9	215	EVN member	
CH	Lam Dong	III	Da Ton Commune Electric Line	8	150	EVN member	
CH	Lam Dong	V	Da Don Commune Electric Line	17	100	EVN member	
			CH Sub-Total	884.7	18778		
SE	Ninh Thuan	I	Tan Lap-Ma Noi Electric Line	12.2	100.0	EVN member	
SE	Ninh Thuan	I	Khanh Hai Electric Line	2.8	25.0	EVN member	
SE	Ninh Thuan	I	Lac Tien-Tu Thien-Son Hai Electric Line	26.9	110.0	EVN member	
SE	Ninh Thuan	I	Hieu Thien-Vu Bon Electric Line	2.3	0.0	EVN member	
SE	Ninh Thuan	II	Phuoc Nam-Nhi Ha-Phuoc Ha Commune Electric Line	4.9	225.0	EVN member	
SE	Ninh Thuan	II	Lang Me-Xom Bang Commune Electric Line	5.1	200.0	EVN member	
SE	Ninh Thuan	II	Xom Chieu-Bao An-Cong Thanh-Thanh Hai Commune Electric	2.4	75.0	EVN member	
SE	Ninh Thuan	III	Ma Noi Commune Electric Line	6.4	30	EVN member	
SE	Ninh Thuan	III	Hoa Son-My Son Commune Electric Line	0	0		Reallocation of JBIC fund to other project
SE	Ninh Thuan	III	Binh Son-Dong Hai Commune Electric Line	7.7	350	EVN member	
SE	Ninh Thuan	V	Luong Son-Lan Son Electric Network	12.6	200	EVN member	
SE	Binh Thuan	I	Long Son-Suoi Nuoc Electric Network	14	325.0	EVN member	
SE	Binh Thuan	I	46-Song Han Electric Network	6	325.0	EVN member	
SE	Binh Thuan	I	Km32-Ta Mon Electric Network	4	600.0	EVN member	
SE	Binh Thuan	I	Thon 1-Co Khe-Trade Center Electric Network	6	325.0	EVN member	
SE	Binh Thuan	II	Long Son-Suoi Nuoc Electric Network	0	420.0	EVN member	
SE	Binh Thuan	II	Nga Ba 46-Song Phan Electric Line	4.4	300.0	EVN member	
SE	Binh Thuan	II	Tra Mon Km32 Electric Line	13.3	500.0	EVN member	
SE	Binh Thuan	II	Koke-KTM Electric Line	10.2	225.0	EVN member	
SE	Binh Thuan	II	Ham Tien-Bau Me Commune Electric Line	15	400.0	EVN member	
SE	Binh Thuan	II	Bau Me-Bau Tang Commune Electric Line	15.2	200.0	EVN member	
SE	Binh Thuan	II	Tan Thang Commune Electric Line	10.5	0.0	EVN member	

Region	Province	SPL	Sub-Project	(MV+LV) Line (km)	Transformer (kVA)	OM/M Organization	Problem
SE	Binh Thuan	III	Can Cu 6-Ham Tan Electric Line 22KV	10.6	475	EVN member	
SE	Binh Thuan	III	Long Sim-Suoi Nuoc Electric Line 22KV	12.7	250	EVN member	
SE	Binh Thuan	III	Tan Thang KTM Commune Electric Line	17.5	500	EVN member	
SE	Binh Thuan	III	Ham Duc-Duong Tiet Electric Line 22KV	18.9	170	EVN member	
SE	Binh Phuoc	I	Dinh Thang Electric	66.3	778.0	EVN member	
SE	Binh Phuoc	II	Binh Thang Commune Electric Line	58.4	1062.5	EVN member	
SE	Binh Phuoc	II	Loc Tan-Thanh Luong Commune Electric Line	15.6	300.0	EVN member	
SE	Binh Phuoc	III	Duc Lieu Commune Electric Line (stage I)	25	250	EVN member	
SE	Binh Phuoc	III	Phuoc An Commune Electric Line (Stage I)	23.3	250	EVN member	
SE	Binh Phuoc	III	Thanh Luong Commune Electric Line	28.6	280	EVN member	
SE	Binh Phuoc	V	Long Hung Commune Electric Line	54	450	EVN member	
SE	Ba Ria Vung	III	Long Dat Distric Electric Line	19.9	440	EVN member	
SE	Ba Ria Vung	III	Chau Duc Distric Electric Line	20.9	375	EVN member	
SE	Ba Ria Vung	III	Xuyen Moc Distric Electric Line	16.6	425	EVN member	
SE	Ba Ria Vung	III	Tan Thanh Distric Electric Line	17.6	350	EVN member	
SE	Binh Duong	II	Thanh An-Dinh Hiep Electric Network	16.5	0.0	EVN member	
SE	Binh Duong	II	Tan Phuoc Khanh Town Electric Line	13.2	0.0	EVN member	
SE	Binh Duong	III	Long Tan Commune Electric Line	38.3	475	EVN member	
SE	Binh Duong	III	Lac An (Da Ton) Commune Electric Line	53.4	1175	EVN member	Da Ton: Wrong locality name
SE	Tay Ninh	I	Tan Hoa-Suoi Ngo Electric Network	36.3	430.0	EVN member	
SE	Tay Ninh	II	Binh Minh Commune Electric Line	26.1	0.0	EVN member	
SE	Tay Ninh	II	Tan Lap Commune Electric Line	23.7	0.0	EVN member	
SE	Tay Ninh	II	An Thinh Commune Electric Line	66.7	0.0	EVN member	
			SE Sub-Total	862	13370.5		
MRD	Long An	I	My An Electric	48	235.0	EVN member	
MRD	Long An	I	An Ninh Tay Electric	50.1	355.0	EVN member	
MRD	Long An	II	Phuoc Vinh Dong Commune Electric Line	53.1	600.0	EVN member	
MRD	Tien Giang	I	Phu Tan Electric	23	0.0	EVN member	
MRD	Tien Giang	I	Tan Thoi Electric	37.3	0.0	EVN member	
MRD	Tien Giang	I	Long Hung Electric	23.8	0.0	EVN member	
MRD	Tien Giang	II	Tan Thoi Commune Electric Line	37.3	585.0	EVN member	
MRD	Tien Giang	II	Thanh My Commune Electric Line	73.9	400.0	EVN member	
MRD	Tien Giang	II	Binh Xuan Commune Electric Line	57.4	662.5	EVN member	
MRD	Tien Giang	III	My Loi A Commune Electric Line	31.2	550	EVN member	
MRD	Tien Giang	III	Tan Hoi Commune Electric Line	32.8	325	EVN member	
MRD	Tien Giang	III	Diem Hy Commune Electric Line	27	300	EVN member	
MRD	Ben Tre	I	An Diem Electric Network	34.9	420.0	EVN member	
MRD	Ben Tre	II	Con Linh Commune Electric Network	26.9	315.0	EVN member	
MRD	Ben Tre	III	Phu Da Commune Electric Line	25	310	EVN member	
MRD	Ben Tre	III	Con Tien Loi Commune Electric Line	27.7	325	EVN member	

Region	Province	SPL	Sub-Project	(MV+LV) Line (km)	Transformer (kVA)	OM/M Organization	Problem
MRD	Ben Tre	III	Long Hoa Commune Electric Line	0	0	EVN member	
MRD	Dong Thap	I	Binh Thanh Electric	24.8	458.0	EVN member	
MRD	Dong Thap	I	Thanh My Electric Network	0	0.0		Reallocation of JBIC fund to other project
MRD	Dong Thap	II	Long Thang Commune Electric Line	20.5	450.0	EVN member	
MRD	Dong Thap	II	Thuong Thoi Tuyen Commune Electric Line	22.5	260.0	EVN member	
MRD	Dong Thap	III	Phu Ninh Commune Electric Line	19.7	100	EVN member	
MRD	Dong Thap	III	Long Hung A Commune Electric Line	29.2	325	EVN member	
MRD	Dong Thap	III	Tan Thanh Commune Electric Line	25.4	300	EVN member	
MRD	Dong Thap	V	Electric Network in Tan Thuan Dong, Tan Phu, Tan Phu Trung,	117	1925	EVN member	
MRD	Vinh Long	I	Phu Duc Electric	30.3	750.0	EVN member	
MRD	Vinh Long	I	KhanhTiet-Khanh Tu-Thuan An Electric Network	18.6	250.0	EVN member	
MRD	Vinh Long	II	Trung An-Aa Kinh Commune Electric Line	10.3	137.5	EVN member	
MRD	Vinh Long	II	Trung An Phu Cuong Commune Electric Line	11.4	150.0	EVN member	
MRD	Tra Vinh	I	Ham Giang Electric Network	46.8	780.0	EVN member	
MRD	Tra Vinh	II	Ham Giang Electric Network	46.8	337.5	EVN member	
MRD	Tra Vinh	III	Cau Quan Commune Electric Line	31.1	512	EVN member	
MRD	Tra Vinh	III	Long Toan Commune Electric Line	43	580	EVN member	
MRD	Tra Vinh	III	Hoa An Commune Electric Line	57.7	630	EVN member	
MRD	Tra Vinh	III	My Cam Commune Electric Line	58.4	585	EVN member	
MRD	An Giang	I	Hoa Lac-Phu Hiep Commune Electric	8.3	255.0		
MRD	An Giang	I	Phu Thanh-Phu Long Electric Network	9.4	188.0		
MRD	An Giang	I	Da Phuoc-Phuoc Quan Electric Network	4.2	138.0		
MRD	An Giang	I	Khanh Binh-Nga 3 Dinh Electric Network	8.4	163.0		
MRD	An Giang	I	Nhon Hoi-Ca Coi Electric Network	10.1	188.0		
MRD	An Giang	I	Nui Sap Electric Network	3.1	25.0		
MRD	An Giang	II	Vinh Thang-Vinh Khanh Commune Electric Line	4.3	0.0	Power-Water	
MRD	An Giang	II	Binh Thanh Dong-Tay Commune Electric Line	3	0.0	Supply Provincial	
MRD	An Giang	II	15-22KV, Phuoc Hung-Chua Co-Cau 9	9.7	150.0	Company of An	
MRD	An Giang	II	Vinh Loi-Vinh Thuan Electric Network	15.7	200.0	Giang Province	
MRD	An Giang	II	Long Thuong-Kien An Commune Electric Line	9.2	150.0		
MRD	An Giang	II	15-22KV Kien An	2.1	112.5		
MRD	An Giang	III	Vinh Khanh-Kenh Dao Commune Electric Line	12.9	275		
MRD	An Giang	III	Kenh K16-Phu Thanh Commune Electric Line	11.1	188		
MRD	An Giang	III	Nga 3 Dinh Ca Coi Commune Electric Line	8.2	188		
MRD	An Giang	III	Phu An-Phu Xuan Commune Electric Line	14.2	150		
MRD	Hau Giang	I	Vinh Vien Electric	25.8	0.0	EVN member	
MRD	Hau Giang	II	Vinh Vien Electric	127.5	1430.0	EVN member	
MRD	Hau Giang	II	Long Binh Commune Electric Line	78	0.0	EVN member	
MRD	Hau Giang	V	Electric Network in Long Phu-Phu Tri-Thuan Hung Communes	98.54	900	EVN member	Delay because of fund insufficiency
MRD	Soc Trang	I	Cai Tau-Ba Trinh-Trinh Phu Electric Network	13.2	150.0	EVN member	

Region	Province	SPL	Sub-Project	(MV+LV) Line (km)	Transformer (kVA)	OM/M Organization	Problem
MRD	Soc Trang	I	Ho Dac Kien Electric	18.4	175.0	EVN member	
MRD	Soc Trang	I	An Lac Tay Commune Electric	32.5	365.0	EVN member	
MRD	Soc Trang	II	Hoa Lac Electric Network	32.9	685.0	EVN member	
MRD	Soc Trang	III	Vinh Loi Commune Electric Line	113.2	675	EVN member	
MRD	Soc Trang	IV	Electric Network in 9 Communes in My Xuyen Distric	275.1	3550.0	EVN member	
MRD	Soc Trang	V	An Lac Tay Commune Electric Line	30	250	EVN member	
MRD	Kien Giang	I	Duong Dong Electric Line	18.4	200.0	EVN member	
MRD	Kien Giang	I	Lai Son Commune Electric Line	1.3	380.0	EVN member	
MRD	Kien Giang	II	Duong To-An Thoi Electric Network	40.8	775.0	EVN member	
MRD	Kien Giang	V	Electric Line and Transformer in buffer Zone of U Minh Thuong	33.7	225	EVN member	
MRD	Bac Lieu	I	Phong Thanh Dong Commune Electric	0	0.0	EVN member	
MRD	Bac Lieu	II	Chau Thoi Commune Electric Line	0	0.0	EVN member	Invested by Provincial Budget, Completed and in
MRD	Bac Lieu	III	Vinh Thinh Commune Electric Line	0	0	EVN member	Operation, Didn't use JBIC Fund (CPMU refused the
MRD	Bac Lieu	III	Vinh Trach Commune Electric Line	0	0	EVN member	disbursement proposal of Bac Lieu DPI due to out of
MRD	Bac Lieu	III	Vinh Phu Tay Commune Electric Line	0	0	EVN member	established Procedure)
MRD	Bac Lieu	III	Ninh Hoa Commune Electric Line	0	0	EVN member	
MRD	Ca Mau	I	Cai Nuoc-Dam Thi Tuong Electric Network	21.2	150.0	EVN member	
MRD	Ca Mau	II	Khanh Lam Commune Electric Line	31.8	62.5	EVN member	
MRD	Ca Mau	III	Tan Thuan Commune Electric Line	30.9	250	EVN member	
MRD	Ca Mau	III	Phu My Commune Electric Line	30.2	200	EVN member	
MRD	Ca Mau	III	Dat Moi Commune Electric Line	36.9	200	EVN member	
MRD	Ca Mau	V	Electric Network in Ca Mau Forest and Fishing Ground	40	375	EVN member	
			MRD Sub-Total	2487.14	27280		
			GRAND TOTAL	11,286	214,450		