

Attach-3: List of Collected Data

(10)

編 式

国 名	工 業 管 理 課 室	工 業 課 室	機 械 課 室	計 画 課 室

収 集 資 料 リ ス ト

国 名	国 名	機 構 名	機 構 名	機 構 名	機 構 名	機 構 名	機 構 名	機 構 名	機 構 名	機 構 名
ラオス	ラオス	ラオス	ラオス	ラオス	ラオス	ラオス	ラオス	ラオス	ラオス	ラオス

番号	集 料 の 名 称	国 名	機 構 名	機 構 名	機 構 名	機 構 名	機 構 名	機 構 名	機 構 名	機 構 名	機 構 名
A001	Final Report: North Asia Rural Power Distribution Project: Vol. 1- Chap 2-7	ラオス	AA	170	1977	1	ADB				
A002	Final Report: North Asia Rural Power Distribution Project: Vol. 1- Chap 2-11	ラオス	AA	140	1977	1	ADB				
A003	Methodology of Understanding of the geological situation for the Northern Asia Rural Power Distribution Project	ラオス	AA	40	1977	1	ADB				
A004	Annual Report	ラオス	AA	40	1977	1	Electricity Dept.				
A005	The National Energy Development Programme: a comprehensive approach to Demand and Development	ラオス	AA	220	1977	1	EDD				
A006	Project Development and Progress Assessment: (a) All, (b) and (c) and (d)	ラオス	AA	100	1977	1	ADB				
A007	Project Completion Report on the Nam Noyan-Lao, Phouay Phoum Transmission Project	ラオス	AA	10	1977	1	ADB				
A008	Project Completion Report on the Nam Noyan-Lao, Phouay Phoum Transmission Project	ラオス	AA	10	1977	1	ADB				
A009	電力供給計画の進捗状況調査 東部ラオスの電力調査 電力供給計画調査	ラオス	AA	120	1977	1	電力供給計画課				
A010	電力供給計画の進捗状況調査 電力供給計画の進捗状況調査	ラオス	AA	120	1977	1	電力供給計画課				
A011	電力供給計画の進捗状況調査 電力供給計画の進捗状況調査	ラオス	AA	120	1977	1	電力供給計画課				
A012	South-East Asian Rural Power Distribution Project: Development Study	ラオス	AA	40	1977	1	EDD				
A013	South-East Asian Rural Power Distribution Project: Development Study	ラオス	AA	120	1977	1	EDD				
A014	ラオス電力供給計画の進捗状況調査 電力供給計画の進捗状況調査	ラオス	AA	140	1977	1	電力供給計画課				
A015	Electricity Development Study Based on the Ministry of Energy in Lao PDR	ラオス	AA	200	1977	1	EDD				
A016	Electricity Development Study	ラオス	AA	40	1977	1	EDD				
A017	Report and Recommendations of the President to the Board of Directors on a Proposed Loan to Lao PDR for the Northern Asia Rural Power Distribution Project	ラオス	AA	15	1977	1	ADB				
A018	Power Development Plan PDR 2002-12	ラオス	AA	120	1977	1	EDD				
A019	電力供給計画の進捗状況調査	ラオス	AA	12	1977	1	電力供給計画課				
A020	Study of the Lao PDR Electric Power Technical Standard	ラオス	AA	90	1977	1	EDD, ECA				
A021	Final Report for Northern Asia Rural Power Distribution Project: Initial Environmental Examination	ラオス	AA	100	1977	1	ADB				
A022	Final Report for Northern Asia Rural Power Distribution Project: Appendix	ラオス	AA	440	1977	1	ADB				
A023	Final Report for Northern Asia Rural Power Distribution Project: Appendix 2	ラオス	AA	470	1977	1	ADB				

国 際 協 力 事 業 目 録

番号	集 料 の 名 称	国 名	機 構 名	機 構 名	機 構 名	機 構 名	機 構 名	機 構 名	機 構 名	機 構 名	機 構 名
A024	Final Report for Northern Asia Rural Power Distribution Project Volume 1 Maps	ラオス	AA	70	1977	1	ADB				
A025	Water resources: Map in dry season on the Mekong river tributaries in the LAO PDR	ラオス	AA	20	1977	1	EDD, IALP, ECA				
A026	Water resources: side book of Lao PDR, Volume 1	ラオス	AA	400	1977	1	EDD, ECA				
A027	Water resources: side book of Lao PDR, Volume 2	ラオス	AA	370	1977	1	EDD, ECA				
A028	Water resources: side book of Lao PDR, Volume 3	ラオス	AA	220	1977	1	EDD, ECA				
A029	電力供給計画の進捗状況調査 電力供給計画の進捗状況調査	ラオス	AA	20	1977	1	電力供給計画課				
A030	電力供給計画の進捗状況調査 電力供給計画の進捗状況調査	ラオス	AA	110	1977	1	電力供給計画課				
A031	電力供給計画の進捗状況調査 電力供給計画の進捗状況調査	ラオス	AA	170	1977	1	電力供給計画課				
A032	電力供給計画の進捗状況調査 電力供給計画の進捗状況調査	ラオス	AA	200	1977	1	電力供給計画課				
A033	Low Voltage Distribution System (LAVS)-Mekong	ラオス	AA	200	1977	1	EDD				
A034	IALP-Gold Development	ラオス	AA	240	1977	1	EDD				
A035	電力供給計画の進捗状況調査	ラオス	AA	110	1977	1	電力供給計画課				
A036	Study of Lao PDR Electric Power Technical Standard	ラオス	AA	140	1977	1	EDD				
A037	Study Final Report Rural Electrification Programme Study	ラオス	AA	240	1977	1	EDD				
A038	電力供給計画の進捗状況調査	ラオス	AA	170	1977	1	電力供給計画課				
A039	POWER SYSTEM DEVELOPMENT PLAN FOR LAO PDR Study Final Report	ラオス	AA	110	1977	1	EDD				
A040	FINAL REPORT ON Initial Design Studies Data Collection in MOA DISTRICT, SODONGYAI PROVINCE FOR THE CONSTRUCTION OF MOYAT NEITHERED POWER SUPPLY SYSTEM	ラオス	AA	70	1977	1	EDD				
A041	LECHY Data Model	ラオス	AA	70	1977	1	EDD				
A042	Final Report Rural Electrification Programme Study	ラオス	AA	240	1977	1	EDD				
A043	Village Energy and Electricity	ラオス	AA	20	1977	1	EDD				
A044	電力供給計画の進捗状況調査	ラオス	AA	20	1977	1	電力供給計画課				
A045	Final Report for Sustainable Development of Mekong Region Power in Developing Countries Final Synthesis Report	ラオス	AA	110	1977	1	EDD, ECA, UNDP				
A046	EDD, TREC Study: Final Report	ラオス	AA	100	1977	1	EDD, TREC, ECA, UNDP				

国 際 協 力 事 業 目 録

Attach-4: Photo during Field Survey (1st ~ 6th)

Photo of 1st Field Survey (1/2)



Photo-1 (February 10, 2004)
Courtesy Call to Minister of MIH



Photo-2 (February 17, 2004)
Inception Discussion



Photo-3 (February 20, 2004)
PDIH Visit (Oudomxay)



Photo-4 (February 20, 2004)
EDL Branch Office Visit (Oudomxay)



Photo-5 (February 21, 2004)
Nam Dong Hydropower Visit



Photo-6 (March 03, 2004)
Coordination Meeting

Photo of 1st Field Survey (2/2)



Photo-7 (March 04, 2004)
Workshop Presentation by Study Team



Photo-8 (March 17, 2004)
Workshop Presentation by PDIH



Photo-9 (March 04, 2004)
Workshop, Tea Break



Photo-10 (March 05, 2004)
Workshop, Lunch Time



Photo-11 (March 05, 2004)
Nam Mang 3 Hydropower Construction Site Visit



Photo-12 (March 05, 2004)
Nam Mang 3 Hydropower Impounded Area Visit

Photo of 2nd Field Survey (1/3)



Photo-1 (July 05, 2004)
Opening Speech by Mr. Nishiwaki, JICA and Mr. Humophone, MIH/DOE



Photo-2 (July 05, 2004)
Trainee, DOE member, JICA Study Team, and staffs of the Lecture



Photo-3 (July 06, 2004)
Hydrology for catchments Thiessen Method, by Mr. Ouchi



Photo-4 (July 06, 2004)
Lao Interpretation and supplementary explanation by DOE member



Photo-5 (July 06, 2004)
Hydrology, how to determine river cross section by Mr. Ouchi



Photo-6 (July 06, 2004)
Teaching how to use current meter for discharge measurement by DOE staff

Photo of 2nd Field Survey (2/3)



Photo-7 (July 06, 2004)
Lecture of basic electricity, Mr. Mochizuki



Photo-8 (July 09, 2004)
The first discussion



Photo-9 (July 19, 2004)
Map study



Photo-10 (July 21, 2004)
Visit of Nam Ngum Power Station and having a ecture of O&M in the site



Photo-11 (July 21, 2004)
Visit the dam site of Nam Ngum Power Station



Photo-12 (July 21, 2004)
Having explanations of Francis turbine maintenance of Nam Ngum PS

Photo of 2nd Field Survey (3/3)



Photo-13 (July 21, 2004)
Visit of Thalath Substation



Photo-14 (July 22, 2004)
Discussion on unit cost and tariff calculated by PDIH, Mr. Nishimaki



Photo-15 (July 23, 2004)
Map study and discussion about site reconnaissance



Photo-16 (July 23, 2004)
Awarding of the certificate



Photo-17 (July 23, 2004)
Training planner and DOE staff after awarding



Photo-18 (July 23, 2004)
Farewell party

Photo of 3rd Field Survey (1/2)



Photo-1 (November 24, 2004)
Project data hearing for Houay Khouan Project at Viengkham District Office, Luangprabang Province



Photo-2 (November 26, 2004)
Project data hearing for Nam Pha Project at Village house of B.Tatmouan, Oudomxay Province



Photo-3 (November 23, 2004)
River Discharge Measurement at Nam Mi Project Site in Viengkham of Luanpurabang Province



Photo-4 (November 25, 2004)
Water Level Gauge Staff installed at Nam Xen Project in B.Pak Um of Luangprabang Province in late April 2004



Photo-5 (November 23, 2004)
Site Reconnaissance in river at Houay Khouan Project Site in Luangprabang Province



Photo-6 (November 25, 2004)
Welcome Lunch Party at Nam Xen River in Luangprabang Province

Photo of 3rd Field Survey (2/2)



Photo-7 (November 30, 2004)
Project data hearing at Nam Choung Project in Muang Meung District, Bokeo Province



Photo-8 (November 26, 2004)
River Discharge Measurement Works at Nam Pha Project, Luangnamtha Province



Photo-9 (December 03, 2004)
Water Level Gauge Staff installed at Nam Gnone Project in Bokeo Province, in late April 2004



Photo-10 (November 28, 2004)
Site Reconnaissance in bush at Nam Hat Project Site, Bokeo Province



Photo-11 (November 28, 2004)
Site Reconnaissance in river at Nam Hat Project Site, Bokeo Province



Photo-12 (December 01, 2004)
Pico-hydropower at Muang Meuang for Nam Choung Project, Bokeo Province

Photo of 4th Field Survey



Photo-1 (March 07, 2005)
2nd Workshop Opening Speech by Mr. Mori, JICA



Photo-2 (March 07, 2005)
2nd Workshop Presentation



Photo-3 (March 01, 2005)
Opening Speech in 3rd PDIH Training



Photo-4 (March 01, 2005)
Lecture in 3rd PDIH Training



Photo-5 (March 05, 2005)
EDL Training Center



Photo-6 (February 04, 2005)
Nam Ken HPP Site Reconnaissance

Photo of 5th Field Survey



Photo-1 (July 22, 2005)
CDM Seminar



Photo-2 (July 12, 2005)
Kuwaxi OPS at Luang Phrabang



Photo-3 (July 18, 2005)
4th Lecture (Economics)



Photo-4 (July 19, 2005)
4th Lecture (GIS)



Photo-5 (July 21, 2005)
CDM Seminar



Photo-6 (July 22, 2005)
Football Match with DOE/PDIH Team

Photo of 6th Field Survey

	
<p>Photo-1 The Luangphrabang Provincial Hall, Place of Workshop (02 Nov. 2005)</p>	<p>Photo-2 Exhibition of Photographs of Capacity Building & GIS Maps in the Master Plan Study (02 Nov. 2005)</p>
	
<p>Photo-3 Panel Discussion with 7-Panelist on Off-grid Small-Hydro, Main Event of Workshop (03 Nov. 2005)</p>	<p>Photo-4 Presentation of JICA's Policy on Rural Electrification by Dr. Niwa, JICA Senior Advisor</p>
	
<p>Photo-5 Declaration of Rural Electrification Promotion by MIH Vice Minister Dr. Nam (03 Nov. 2005)</p>	<p>Photo-6 Handing Over of Symbol Flags to 8-PDIH, DOE and JICA Laos Office (03 Nov. 2005)</p>

Attach-5: Member List of DOE/PDIH and JICA Study Team

1. DOE Counterparts

No.	Name	Position
1	Mr. Chansaveng BOUNYONG	Head of Div.
2	Mr. Khonephet SAMDUNTY	Deputy Head
3	Mr. Phonesavanh PHIMMASONE	Staff 1
4	Mr. Litthanouloke LADSAPHO	Staff 2
5	Mr. Sanhya SOMVICHITH	Staff 3
6	Mr. Vithounlabandith THOUMMABOUT	Staff 4
7	Mr. Lamphone DIMANIVONG	Staff 5
8	Mr. Akhomdeth VONGSAY	Staff 6

2. PDIH Trainees

No.	Name of Province	Name
1	Phongsaly	Mr. Ounneua SIVANPHENG Mr. Khamfong
2	Luangnamtha	Mr. Khamphone Mr. Sengdeuan SIMMANIVONG
3	Oudomxay	Mr. Vanhla VONGMANY Mr. Sayseng CHINDAVONG
4	Bokeo	Mr. Thongdy PHOMPANYA Mr. Kim VIHALAD
5	Luangphrabang	Mr. Misayphon VILAYHONG Mr. Alounkone PHOTHIPANYA
6	Huaphanh	Mr. Bountheuang PHOMMAVONGXAY Mr. Ketvilay PHOMMALY
7	Xayabury	Mr. Khamkay VONGSY Mr. Ounheun KANTHAVONG
8	Xiengkhuang	Mr. Khamkeut PHOSAVANH Mr. Khonkeo

3. JICA Study Team

Name	Position	Work Items
1. Ichiro ARAKI	Team Leader / Small Hydropower Planner	<ul style="list-style-type: none"> • Manage overall investigation • Meeting with Laotian governmental officials • Supervise and coordinate work progress • Advise and guide team members • Finalizing off-grid small hydropower plans on province level • Finalizing the final policy suggestion of off-grid small hydropower scheme promotion • Finalizing the manuals of Small Hydropower Planning • Taking responsibility for explanations and discussions of workshops and Coordinating Meeting • Taking responsibility for completion, submission, explanation, and discussion of all reports • Manage overall support and arrangement of counterpart training in Japan • Manage overall technology transfer and capacity building program
2. Hiroshi NISHIMAKI	Power Policy / Organization Expert	<ul style="list-style-type: none"> • Collection and analysis of the information of power sector policy in Lao PDR • Collection and analysis of the information concerning off-grid electrification policy • Analysis of policy issues of off-grid small hydropower promotion and suggestion of methodology for improvement • Explanation and discussion of responsible work field at workshops and Coordinating Meeting • Preparation of report of responsible tasks • Transfer of technology of responsible work field
3. Takuji KATAOKA	Small Hydropower Planner / O&M Expert	<ul style="list-style-type: none"> • Data and information collection and analysis of small hydropower planning sites expected in northern 8 provinces • Data and information collection and analysis of off-grid electrification plans in northern 8 provinces and districts • Preparation of manuals of Small Hydropower Planning on responsible tasks • Assumption of power demand on district level • Selection of small hydropower planning sites on province level • Study on potential small hydropower planning sites • Field reconnaissance of candidate small hydropower sites • Supervision of local subletting (topo-survey) • Preparation of the most appropriate power supply plans and cost estimation of operation and maintenance on Pre-FS • Analysis of operation and maintenance problems concerning off-grid small hydropower scheme promotion and suggestion of countermeasures • Explanation and discussion of responsible work field at workshops and Coordinating Meeting • Preparation of report of responsible tasks • Transfer of technology of responsible work field
4. Takafumi KADONO	Small Hydropower Facilities Expert (Civil)	<ul style="list-style-type: none"> • Field reconnaissance of candidate small hydropower sites • Evaluation and analysis of meteorological and hydrological data on Pre-FS • Design of facilities, planning of construction, and cost estimation on civil field on Pre-FS • Preparation of report of responsible tasks • Transfer of technology of responsible work field
5. Minoru OHUCHI	Hydropower Training Planner	<ul style="list-style-type: none"> • Discussion on training programs with the counterparts • Preparation of training programs • Preparation of manuals of Small Hydropower Planning • Execution of training to the counterparts • Explanation and discussion of responsible work field at workshops and Coordinating Meeting • Preparation of report of responsible tasks • Transfer of technology of responsible work field
6. Hiromichi MOCHIZUKI	Small Hydropower Facilities Expert (Electricity)/T L & DL Planner	<ul style="list-style-type: none"> • Field reconnaissance of candidate small hydropower sites • Design of facilities, planning of construction, and cost estimation on Pre-FS on electricity, machine equipment, and transmission and distribution facilities • Explanation and discussion of responsible work field at workshops and Coordinating Meeting • Preparation of report of responsible tasks • Transfer of technology of responsible work field
7. Kazuyuki NAGAO	Economic and Financial Analyst	<ul style="list-style-type: none"> • Analysis of financial issues for the promotion of off-grid small hydropower schemes such as fund procurement and tariff system and suggestion of measures for the improvement • Economic and financial analysis on Pre-FS • Explanation and discussion of responsible work field at workshops and Coordinating Meeting • Preparation of report of responsible tasks • Transfer of technology of responsible work field

Name	Position	Work Items
8. Tetsuo KUYAMA	EIA Expert	<ul style="list-style-type: none"> • Field reconnaissance of candidate small hydropower sites • Preliminary environmental impact assessment on Pre-FS • Explanation and discussion of responsible work field at workshops and Coordinating Meeting • Preparation of report of responsible tasks • Transfer of technology of responsible work field
9. Takeshi YAMASHITA	Socio- economic Survey Expert	<ul style="list-style-type: none"> • Field reconnaissance of the candidate small hydropower site • Village socio-economic survey • Supervision of local subletting (village socio-economic survey) • Explanation and discussion of responsible work field at workshops and Coordinating Meeting • Preparation of report of responsible tasks • Transfer of technology of responsible work field
10. Makoto SUNAGAWA	P P P Expert	<ul style="list-style-type: none"> • Collection of the existing methodologies for public-private partnership • Collection and analysis of the information of public-private partnership in Lao PDR • Preparation of report of responsible tasks • Transfer of technology of responsible work field
11. Masaru ISHIKAWA	C D M Expert	<ul style="list-style-type: none"> • Execution of training to the counterparts • Study for the applicability of CDM in small hydropower • Preparation of report of responsible tasks • Transfer of technology of responsible work field
12. Akihiro SUGITA	G I S Expert	<ul style="list-style-type: none"> • Supervision of local subletting (GIS data collection) • Construction of GIS system • Accumulation of GIS system data • Explanation and discussion of responsible work field at workshops and Coordinating Meeting • Preparation of report of responsible tasks • Transfer of technology of responsible work field
13. Yuka NAKAGAWA	Coordinator / Assistant Training Planner	<ul style="list-style-type: none"> • Support works of the team leader • Support works of hydropower training specialist
14. Kensuke YAMAMURA	Coordinator / Assistant Small Hydro Planner	<ul style="list-style-type: none"> • Support works of the team leader • Support works of small hydropower planning
15. Reiko NOBUHIRO	Coordinator / Assistant Small Hydro Planner	<ul style="list-style-type: none"> • Support works of the team leader • Support works of small hydropower planning

