

LAO PEOPLE'S DEMOCRATIC REPUBLIC



**THE STUDY
ON
THE INTEGRATED REGIONAL DEVELOPMENT PLAN
FOR
SAVANNAKHET AND KHAMMOUAN REGION**

TABLE OF CONTENTS

PART 2: SECTOR REPORT

I.	SOCIAL DEVELOPMENT PLAN	I-1
I-1	<i>DEMOGRAPHY</i>	I-1
	I-1.1 Population Distribution Pattern	I-1
	I-1.2 Age Group Structure.....	I-7
	I-1.3 Ethnic Diversity	I-8
	I-1.4 Population Growth and Prospects	I-10
I-2	<i>HEALTH SECTOR DEVELOPMENT PLAN.....</i>	I-16
	I-2.1 Overview.....	I-16
	I-2.2 Health Sector Development Perspective.....	I-27
	I-2.3 Priority Development Programs for SKR	I-32
I-3	<i>EDUCATION SECTOR DEVELOPMENT PLAN.....</i>	I-46
	I-3.1 Overview.....	I-46
	I-3.2 Issues to be Addressed in SKR Education Development	I-65
	I-3.3 Regional Education Development Plan	I-79
II.	ECONOMIC AND FINANCIAL PLAN	II-1
II-1	<i>NATIONAL ECONOMY</i>	II-1
II-2	<i>REGIONAL ECONOMY</i>	II-9
II-3	<i>MACROECONOMIC FRAMEWORK FOR SKR DEVELOPMENT</i>	II-23
	II-3.1 Methodology	II-23
	II-3.2 Future Socio-economic Framework.....	II-25
III.	RESOURCE MANAGEMENT AND ENVIRONMENT	III-1
III-1	<i>OVERVIEW.....</i>	III-1
	III-1.1 Introduction.....	III-1
	III-1.2 Present Condition	III-5
	III-1.3 Government Policies	III-22

III-2	<i>FOREST RESOURCE MANAGEMENT</i>	III-26
III-2.1	Current Situation.....	III-26
III-2.2	Potential and Constraints	III-31
III-2.3	Objectives and Strategies for Forest Resource Management.....	III-35
III-2.4	Resource Management Program	III-40
III-3	<i>ENVIRONMENTAL MANAGEMENT AND REGIONAL DEVELOPMENT</i>	III-59
III-3.1	Current Situation.....	III-59
III-3.2	Possible Impacts on Regional Development.....	III-63
III-3.3	Environmental Management Policy and Strategy.....	III-66
III-3.4	Environmental Management Programs	III-68
III-4	<i>LAND USE PLANNING</i>	III-72
III-4.1	Current Land Use	III-72
III-4.2	Constraints and Issues over Land Use.....	III-82
III-4.3	Land Use Plan	III-86
IV.	AGRICULTURE DEVELOPMENT PLAN	IV-1
IV-1	<i>LAO AGRICULTURE SECTOR: OVERVIEW</i>	IV-1
IV-1.1	General.....	IV-1
IV-1.2	Recent Trends and Issues.....	IV-2
IV-1.3	Government's Agriculture Policy	IV-4
IV-2	<i>REGIONAL AGRICULTURE</i>	IV-7
IV-2.1	Agriculture	IV-7
IV-2.2	Livestock.....	IV-27
IV-2.3	Fisheries.....	IV-30
IV-3	<i>REGIONAL AGRICULTURE DEVELOPMENT PLAN</i>	IV-36
IV-3.1	Development Potential	IV-36
IV-3.2	Issues to be Addressed	IV-45
IV-3.3	Basic Concept for Regional Agriculture Development...	IV-51
IV-3.4	Development Strategy	IV-52
IV-3.5	Sectoral Development Plan and Production Target.....	IV-59
IV-3.6	Agricultural GDP.....	IV-71
IV-4	<i>ACTION PROGRAM</i>	IV-74
IV-4.1	Settings for Programming.....	IV-74
IV-4.2	Program to Double Household Income	IV-76
IV-4.3	Priority Programs.....	IV-95
V.	INDUSTRIAL DEVELOPMENT PLAN	V-1
V-1	<i>BACKGROUND</i>	V-1
V-1.1	Lao Industry: An Overview	V-1
V-1.2	Regional Industry.....	V-3

	V-1.3	Prospects and Constraints in Industry Sector	V-7
V-2		LOCAL INDUSTRY DEVELOPMENT PLAN	V-11
	V-2.1	Overview.....	V-11
	V-2.2	Perspectives for Local Industry Promotion	V-18
	V-2.3	Examination of Selected Local Industries.....	V-26
	V-2.4	Recommendable Local Products.....	V-42
V-3		FACTORY INDUSTRY DEVELOPMENT PLAN	V-52
	V-3.1	Socio-Economic Development Plans	V-52
	V-3.2	Objectives and Strategy of Factory Industry Development	V-53
	V-3.3	Frameworks and Scenarios.....	V-56
	V-3.4	Factory Industry Development Plan	V-72
V-4		TOURISM INDUSTRY DEVELOPMENT PLAN	V-84
	V-4.1	Present Condition of Tourism in SKR	V-84
	V-4.2	Required Tourism Development Potential	V-90
	V-4.3	Tourism Industry Development Plan.....	V-93
V-5		PRIVATE SECTOR ENTERPRISE PROMOTION	V-101
	V-5.1	Overview.....	V-101
	V-5.2	Issues to be Addressed for Private Sector Enterprise Promotion	V-112
	V-5.3	Private Sector Enterprises Promotion Program.....	V-119
VI.		INFRASTRUCTURE DEVELOPMENT PLAN	VI-1
VI-1		TRANSPORTATION DEVELOPMENT PLAN	VI-1
	VI-1.1	Lao Transport System	VI-1
	VI-1.2	Regional Transport Systems	VI-10
	VI-1.3	Framework of SKR Transport Systems	VI-20
	VI-1.4	Projects/Programs for Regional Transport Development	VI-27
VI-2		TELECOMMUNICATIONS DEVELOPMENT PLAN	VI-47
	VI-2.1	Overview.....	VI-47
	VI-2.2	Telecommunications in SKR.....	VI-53
	VI-2.3	Proposed Telecommunications Program.....	VI-54
	VI-2.4	Direction of Telecommunications Development in SKR	VI-55
	VI-2.5	Proposed Telecommunications Projects.....	VI-57
VI-3		ELECTRIC POWER DEVELOPMENT PLAN	VI-59
	VI-3.1	Overview.....	VI-59
	VI-3.2	Power Sector Review	VI-60
	VI-3.3	Regional Electric Power	VI-72
	VI-3.4	Electric Power Development Plan	VI-79

List of Tables

Table I1-1	Major Demographic Data by Province 1995
Table I1-2	New Districts in Savannakhet
Table I1-3	Population Distribution by District (1995)
Table I1-4	Age Group Structure
Table I1-5	Ethnic Group Composition in SKR
Table I1-6	Population Projections
Table I1-7	Major Social Indicators for National Population Projection
Table I1-8	Population Projections in SKR
Table I1-9	Projected Future Rural-Urban Distribution
Table I1-10	Average Urban Share in Rural Districts (1995)
Table I1-11	Primary Cities Urban Population
Table I2-1	Health Status in SKR
Table I2-2	Household's Access to Clean Water and Sanitation Facilities
Table I2-3	Common Diseases in Savannakhet
Table I2-4	Common Diseases in Khammouan
Table I2-5	Number of Health Facilities in 1999
Table I2-6	Staff of Health Department 1999 (Savannakhet)
Table I2-7	Staff of Health Department 1999 (Khammouan)
Table I2-8	Number of Population Covered by Health Staff
Table I2-9	Number of Drug Revolving Fund
Table I2-10	Personnel and Beds of the Provincial Hospitals
Table I2-11	Utilization of Provincial Hospital in 1999
Table I2-12	Number of HIV Infection, AIDS Cases
Table I2-13	Targets for Sector Development
Table I2-14	Immunization Coverage
Table I2-15	Action Program for Strengthening District Health System
Table I2-16	Health Posts & Accessibility to Health Services in Savannakhet
Table I2-17	Average Travel Time to Clinic in Khammouan
Table I2-18	Health Posts and Population by District in Khammouan
Table I2-19	Action Program for Reproductive Health Improvement
Table I2-20	Action Program for Child Health Improvement
Table I3-1	Government Education Budget
Table I3-2	Education Budget by Province
Table I3-3	Students in Primary Level
Table I3-4	Primary Education Enrollment Ratio in 1995
Table I3-5	Enrollment Ratio of Selected ASEAN Countries (1996)
Table I3-6	Dropout and Repetition Ratio
Table I3-7	Number of Students by Age (1995)

Table I3-8	Incomplete Primary Schools (1998)
Table I3-9	Incomplete Schools (1998)
Table I3-10	Number of Primary School Buildings by Type and Condition (1998)
Table I3-11	Teacher-Student Ratio
Table I3-12	Number of Under- or Unqualified Teachers by Province (2000)
Table I3-13	Publication of Textbook and Teacher's Guidebook
Table I3-14	Secondary Level Students
Table I3-15	Enrollment Ratio in 1995 and 1998
Table I3-16	Number of Secondary Schools and Accessibility (1998)
Table I3-17	Dropouts and Repeaters in Lao PDR
Table I3-18	Teacher-Student Ratio
Table I3-19	Teaching Staff by Educational Background (1998)
Table I3-20	Students in Teacher Training Education (1999)
Table I3-21	Students and Teachers in Vocational Schools
Table I3-22	Literate Ratio (1995)
Table I3-23	Participants in Non-Formal Education (1991-1998)
Table I3-24	Community Learning Centers
Table I3-25	Basic School in SKR
Table I3-26	Enrollment Ratio in SKR (1995 and 1998)
Table I3-27	Dropout and Repetition Ratio in SKR (1998)
Table I3-28	Villages with/without Primary Schools (1998)
Table I3-29	Villages with/without Access to Secondary Schools (1998)
Table I3-30	Teacher-Student Ratio in Primary Schools (1998)
Table I3-31	Teacher Training Institutes and Organizations
Table I3-32	Primary Teachers Receiving Upgrading Training
Table I3-33	Vocational & Technical Schools in SKR
Table I3-34	Scenario for SKR Educational Development Initiative
Table I3-35	Estimated Number of Primary Students and Schools (1995-2020)
Table II1-1	GDP by Industrial Origin
Table II1-2	GDP Growth Rate by Industrial Origin
Table II1-3	Public Finance and Current Account
Table II1-4	Fiscal Deficit and Foreign Finance
Table II2-1	Employed Persons by Sector in 1995
Table II2-2	Share of Employed Persons by Sector
Table II2-3	GPP by Sector and Population in 1995
Table II2-4	GPP in 1998
Table II2-5	GDP and GPP by Industrial Origin in 1998
Table II2-6	Number of Industry-Handicraft Establishment by Province
Table II2-7	Agricultural Revenues and Expenditure per Household in 1997/98
Table II2-8	Economically Active Population and Employment in 1995
Table II2-9	Employed Persons By Industry In Savannakhet and Khammouan (1995)

Table II2-10	FDI by Country of Origin in Savannakhet
Table II2-11	Foreign Direct Investment in Savannakhet
Table II2-12	FDI by Country of Origin in Khammouan
Table II2-13	Revenue and Expenditure
Table II2-14	Revenue Structure in Savannakhet and Khammouan
Table II2-15	Capital Expenditure in Savannakhet and Khammouan
Table II3-1	Summary Table of Macroeconomic Framework for Savannakhet
Table II3-2	Summary Table of Macroeconomic Framework for Khammouan
Table II3-3	Summary Table of Macroeconomic Framework for SKR (Savannakhet + Khammouan)
Table III1-1	Land Use Changes in 1982, 1990 and 2000
Table III1-2	National Biodiversity Conservation Areas in SKR
Table III1-3	Watersheds in SKR
Table III1-4	Existing Forest Area in SKR (2000)
Table III1-5	Above-ground Volume and Yield by Land-use Type
Table III2-1	Summary of Land Use Changes
Table III2-2	Above-ground Volume and Yield by Land-use Type
Table III2-3	SKR National Bio-diversity Conservation Areas, Protection Forests Provincial Reserves and Protection Forests
Table III2-4	Unstocked Area in NBCA
Table III4-1	Land Use in Khammouan
Table III4-2	Land Use in Savannakhet
Table III4-3	Land Use in SKR
Table III4-4	WSC Values
Table III4-5	Watershed Classification in SKR
Table III4-6	Land Use Requirement of Some Land Use Types
Table III4-7	Land Suitability Code and Approximate Extent of Mapping Units for Khammouan Province
Table III4-8	Land Suitability Code and Approximate Extent of Mapping Units for Savannakhet Province.
Table III4-9	Land Use Suitability in SKR
Table III4-10	Land Use Plan for 2020
Table IV1-1	Rice Balance in Lao PDR
Table IV2-1	Cropped Areas of Major Crops in 1999
Table IV2-2	Yields of Major Crops in 1999
Table IV2-3	Major Crops Production in 1999
Table IV2-4	Increase in Lowland Paddy Areas

Table IV2-5	Average Annual Household Income
Table IV2-6	Household Income Survey by JICA Mekong Study
Table IV2-7	Inventory of Existing Irrigation Schemes
Table IV2-8	Existing Irrigation Schemes by Region
Table IV2-9	Cost Recovery and O&M Cost
Table IV2-10	Livestock Population in SKR
Table IV2-11	Fish Capture in SKR
Table IV2-12	Fishing Households and Fishing Ground in SKR
Table IV2-13	Aquacultural Households and Culture Area in SKR
Table IV3-1	Potential Land Use in SKR in 2020
Table IV3-2	Potential Irrigation Schemes in SKR
Table IV3-3	Annual Rice Consumption per Capita
Table IV3-4	Rice Demand Projection in SKR
Table IV3-5	Major Foods Consumption and Calories
Table IV3-6	Food Balance Projection
Table IV3-7	Annual Consumption of Animal Product in Some Provinces
Table IV3-8	Estimated Fish Demand (2000 –2020)
Table IV3-9	Demographic Feature by Region
Table IV3-10	Projected Rice Production in SKR
Table IV3-11	Projected Rice Balance in SKR
Table IV3-12	Projected Cropped Area of Major Field Crops
Table IV3-13	Projected Yields of Major Field Crops
Table IV3-14	Projected Production of Major Field Crops
Table IV3-15	Projected Major Livestock Population
Table IV3-16	Projected Major Livestock Meat Production
Table IV3-17	Farmgate Prices of Major Agricultural Products
Table IV3-18	Estimated Agricultural GDP
Table IV4-1	Crop Profitability (Rice and Peanut)
Table IV4-2	Composition of Natural Organic Manures
Table IV4-3	Proposed Land Use and Livestock Holding Plan
Table IV4-4	Carrying Capacity for Cattle Raising
Table IV4-5	Labor Requirement per HH
Table IV4-6	Annual Net Incomes by Crop/Livestock
Table IV4-7	Crop Budget for Paddy Field: Rice and Cash Crops
Table IV4-8	Crop Budget for Field Crop
Table IV4-9	Projected Crop Budget for Fruit Tree and Tree Crop
Table IV4-10	Farm Budget for Cattle Raising
Table IV4-11	Farm Budget for Pig Raising
Table IV4-12	Farm Budget for Chicken Raising
Table IV4-13	Farm Budget for Fishculture
Table IV4-14	Income Generation by Agricultural Activities

Table VI-1	GDP by Industrial Origin
Table V1-2	Manufacturing Output in Lao PDR
Table V1-3	Exports of Lao PDR
Table V1-4	Imports of Lao PDR
Table V1-5	Approved Foreign Investment in Lao PDR
Table V1-6	GPP in Savannakhet
Table V1-7	GPP in Khammouan
Table V1-8	Profiles of Industry in Savannakhet and Khammouan
Table V1-9	Manufacturing Output in SKR
Table V1-10	Export in Savannakhet
Table V1-11	Export in Khammouan
Table V2-1	List of Local Products
Table V2-2	100 Products to be Potentially Promoted in SKR
Table V2-3	Local Products Selected for Examination
Table V2-4	Promising Local Industries for Implementation
Table V2-5	Linkage with Other Sectors: Bio-Compost Industry
Table V2-6	Linkage with Other Sectors: Non Wood Paper Industry
Table V2-7	Linkage with Other Sectors: Bee-Culture Industry
Table V2-8	Linkage with Other Sectors: Charcoal Industry
Table V2-9	Linkage with Other Sectors: Bamboo Industry
Table V2-10	Linkage with Other Sectors: Sericulture Industry
Table V3-1	Framework of GPP in Savannakhet
Table V3-2	Framework of GPP in Khammouan
Table V3-3	Framework of Employment in Savannakhet
Table V3-4	Framework of Employment in Khammouan
Table V3-5	Forecast of Manufacturing Output in Savannakhet
Table V3-6	Forecast of Manufacturing Output in Khammouan
Table V4-1	Tourist Arrivals in Lao PDR by Region
Table V4-2	Tourism Market of Lao PDR by Country, 1998
Table V4-3	Tourist Arrivals in SKR (1998)
Table V4-4	Tourism Accommodations in Lao PDR and in SKR
Table V4-5	Tourism Demand in SKR in 2020
Table V4-6	Evaluation and Rating of Projects/Programs
Table V5-1	Number of Establishments Registered in MOIH
Table V5-2	Type of Employment, Civilian Work Force, 1995
Table V5-3	Foreign Direct Investment (Approval) by Sector 1994-1999*
Table V5-4	FDIs by Sub-sector in Savannakhet
Table V5-5	Share of FDI by Country of Origin in Savannakhet

Table V5-6	Share of FDI by Country of Origin in Khammouan
Table V5-7	Domestic investments by Sector (1998)
Table V5-8	Responsible Organizations for PSE Promotion
Table V5-9	Monetary Survey 1995-1998
Table V5-10	Interest Rate, 1995-1998
Table V5-11	Outline of External Commercial Bank
Table V5-12	Structure of Loans by Sectors
Table V5-13	Outline of Agricultural Promotion Bank
Table V5-14	Coverage ratio of the APB lending activities in 1998
Table V5-15	APB Loan in Savannakhet and Khammouan
Table V5-16	Economically Active Population, by Education, 1995
Table V5-17	Distribution of Secondary School Graduates across Post-secondary Options, 1996/97
Table V5-18	Distribution of Students Studying Abroad
Table V5-19	Issues in Employment Status
Table V5-20	Reason for Closure of Enterprises
Table V5-21	Origin of Inputs for PSEs
Table V5-22	Credit Source for Private Enterprises
Table V5-23	Proportion of enterprises reporting different types of problems at start business and currently
Table V5-24	Major Trade and Investment Obstacles in Lao PDR
Table V5-25	Previous Activities of Enterprise Owners
Table V5-26	Preferred Enterprise Sites
Table 5V-27	Proposed Sector Programs and Projects by Phase
Table VI1-1	Volume of Freight and Passenger Transport
Table VI1-2	Total Roads Length
Table VI1-3	Number of Registered Vehicles in Lao PDR
Table VI1-4	Five Year Road Sector Expenditure (1996-2000)
Table VI1-5	Budget Fiscal Year 1999/2000
Table VI1-6	International Air Transportation (1999)
Table VI1-7	Domestic Air Transportation (1999)
Table VI1-8	Road Statistics (1999)
Table VI1-9	Traffic Volume by Site (1990 - 1997)
Table VI1-10	Traffic Volume classified by Type of Vehicles (1997)
Table VI1-11	Origin-Destination Survey at Savannakhet Ferry Crossing
Table VI1-12	Traffic Volume Classified by Funds
Table VI2-1	Switching Units and Hierarchy
Table VI2-2	Telephone Tariff for PSTN and Mobile System
Table VI2-3	International Gateways and Capacity
Table VI2-4	PSTN Lines in SKR
Table VI2-5	PSTN Development Plan by LTC

Table VI2-6	Development Target up to 2020
Table VI3-1	Balance of Generated and Consumed Energy in EdL System
Table VI3-2	Existing Hydroelectric Power Stations
Table VI3-3	List of Existing Transmission Lines
Table VI3-4	List of Existing Substations
Table VI3-5	1999 Traded Energy with EGAT
Table VI3-6	Power Tariff of Nam Ngum/ Nam Leuk, Savannakhet and Thakhek Systems (Effective from 1 October 1999 to 30 September 2003)
Table VI3-7	Power Tariff of Xeset System (Effective from 1 May 1997 to 30 April 2001)
Table VI3-8	Transition of Electricity Tariff in 2000 and 2001
Table VI3-9	Major Parameters of Power Demand in 1999
Table VI3-10	Summary of Power Demand and Growth Rates
Table VI3-11	Historical Power Consumption Record
Table VI3-12	Category-Wise Energy Sales of EdL in 1999
Table VI3-13	Summary of Electrification Ratios in 1999
Table VI3-14	Summary of Area-wise Forecast Peak Demand and Energy
Table VI3-15	Summary of Transmission and Distribution Facilities
Table VI3-16	List of Hydro Power Projects to be Completed by 2010
Table VI3-17	Summary of Distribution System Components in the Two Provinces of the SPRE Project

List of Figures

- Figure I1-1 Rural and Urban Population by Province (1995)
Figure I1-2 Share of Urban Population and Size of Provinces
Figure I1-3 Rural and Urban Population by District (1995)
Figure I1-4 Population Distribution Pattern in SKR
Figure I1-5 Population Pyramid
Figure I1-6 Ethnic Group Distribution in SKR
Figure I1-7 Population Projections
Figure I1-8 Population Projection in SKR
Figure I1-9 Projected Rural-Urban Ratio
Figure I1-10 Primary Cities Urban Population
- Figure I2-1 Basic Structure of Health Service in SKR
Figure I2-2 Savannakhet Provincial Health Department Organization Chart
Figure I2-3 Budget Allocation, Khammouan Province
Figure I2-4 Expenditures in Khammouan Province
- Figure I3-1 Current Education System in Lao PDR
Figure I3-2 MOE Organization
Figure I3-3 Educational Administration System
Figure I3-4 Education Budget per Head by Province (1993-2000 total)
Figure I3-5 Students Continuing Until Grade 5
Figure I3-6 Structure of Qualified, Unqualified or Under-qualified Teacher
Figure I3-7 Faculty and Courses in NUOL
Figure I3-8 Educational Requirements for Teachers
Figure I3-9 Vocational & Technical Education Institutes and Courses
Figure I3-10 Non-Formal Education Targeted Group
Figure I3-11 Literate Population by Ethnic Group (1995)
Figure I3-12 Literate Population by Province (1995)
Figure I3-13 Rate of People who Complete Primary Education
Figure I3-14 Classification of SKR's Districts
Figure I3-15 Change in Enrollment
Figure I3-16 Remaining Students by Classified Area
Figure I3-17 SKR Education Sector Problem Structure
Figure I3-18 Basic Education Development
Figure I3-19 Vocational and Technical Education Development
Figure I3-20 New Savannakhet Technical School System
Figure I3-21 New Savannakhet Art & Culture College
- Figure II1-1 Sector Share of GDP 1990-99
Figure II1-2 Sector Composition of GDP 1990-99
Figure II1-3 Exports by Destination

Figure II1-4	FDI by Origin
Figure II2-1	Employed Persons by Sector by Province in 1995
Figure II2-2	Estimated GDP by Sector by Province in 1995
Figure II2-3	Difference in Size and Structure of Economies among Provinces
Figure II2-4	Share of GDP in 1998
Figure II2-5	GDP and GPP composition, 1998
Figure II2-6	GPP in 1998 (at 1999 price)
Figure II2-7	Distribution of Revenue and Expenditure
Figure II2-8	Provincial Tax Sharing System
Figure II3-1	Conceptual Flow of Macro-Framework for SKR Development
Figure II3-2	Macroeconomic Framework for Savannakhet
Figure II3-3	Macroeconomic Framework for Khammouan
Figure II3-4	Macroeconomic Framework for SKR
Figure III1-1	NBCA and Protection Forest in SKR
Figure III1-2	Watershed Classification in SKR
Figure III1-3	High forest Area in SKR
Figure III4-1	Area Distribution in Khammouan
Figure III4-2	Elevation Feature in SKR
Figure III4-3	Area Distribution in Savannakhet
Figure III4-4	Slope Feature
Figure III4-5	Area Distribution by Slope: Khammouan
Figure III4-6	Area Distribution by Slope: Savannakhet
Figure III4-7	Land Use in Khammouan
Figure III4-8	Land Use in Savannakhet
Figure III4-9	Land Use in SKR
Figure III4-10	Land Use in SKR (2000)
Figure III4-11	Locations of UXO and Victim's Activities in SKR
Figure III4-12	Current Situation of UXO in SKR
Figure III4-13	Flow of Land Use Planning
Figure III4-14	Watershed Classification Map of SKR
Figure III4-15	Land Mapping units Identified in Khammouan Province
Figure III4-16	Land Mapping units Identified in Savannakhet Province
Figure III4-17	Crop Suitability Map Preparation Flowchart
Figure III4-18	Suitability Map of Khammouan Province
Figure III4-19	Suitability Map of Savannakhet Province.
Figure III4-20	Land Suitability Map
Figure III4-21	Land Use Plan for 2020
Figure IV2-1	Flooded Area of Khammouan and Savannakhet Province

Figure IV3-1	Agricultural Suitability in SKR
Figure IV3-2	Land Suitability Map in SKR
Figure IV3-3	Watershed Classification in SKR
Figure IV3-4	Region and Districts in SKR
Figure IV3-5	Integrated Farming in Lowland Zone
Figure IV3-6	Integrated Farming in Central Zone
Figure IV3-7	Integrated Farming in Eastern Mountainous Zone
Figure IV3-8	Rice Paddy Area in SKR
Figure IV3-9	Potential Area for Crop and Fruit Plantation
Figure IV3-10	Potential Grazing Land in SKR
Figure IV4-1	Re-cycled Farming with Farm By-Products and Residues
Figure V2-1	Potential for Local Industry Promotion
Figure V2-2	An Image of Local Industry Linkage: Livestock [Start from Local, think Global]
Figure V3-1	Industrial Development Scenario in SKR 2000~2005
Figure V3-2	Major Functions of SEZ
Figure V3-3	Industrial Development Scenario in SKR 2006 ~ 2010
Figure V3-4	Industrial Development Scenario in SKR 2011~2020
Figure V3-5	Scenario of Competitiveness Initiative
Figure V4-1	Tourist Arrival by Destination in Lao PDR
Figure V4-2	Distribution of Tourism Resources in the Study Area
Figure V4-3	Number of Tourist Arrivals in Lao PDR
Figure V4-4	Tourism Market in SKR by Country
Figure V4-5	Tourism Receipts in Comparison with Other Industries
Figure V4-6	Interests in Lao PDR for International Tourists
Figure V4-7	Tourism Development Plan Formulation
Figure V4-8	Concept of the TFA for the East-West Corridor of GMS
Figure V4-9	An Alternative Route of GMS E-W Tour Corridor
Figure V4-10	SKR Tourism Development Concept
Figure V5-1	Characteristics of SMEs in Lao PDR (Based on the 1996 Lao-German Project)
Figure V5-2	Problem Structure for Entrepreneurship Development Issues
Figure VI1-1	MCTPC Organization
Figure VI1-2	Current Road Network in SKR
Figure VI1-3	Ongoing and Recently Completed National Road Projects
Figure VI1-4	Traffic Volume on the Trunk Roads In SKR (April 2000)

Figure VI1-5	Transport Sector Framework
Figure VI1-6	Transport Sector Objectives
Figure VI1-7	Relationship of Transport Improvement Projects/Program
Figure VI1-8	Road Network in 2005
Figure VI1-9	Road Network in 2010
Figure VI1-10	Road Network in 2020
Figure VI1-11	Road Connecting District Centers to National Roads
Figure VI1-12	Location of Market and Village-to-Market Roads
Figure VI1-13	Savannakhet Airport Runway Extension Project
Figure VI1-14	Location of Setting Weight Bridges
Figure VI2-1	National Telecommunication Network
Figure VI2-2	Basic Network Configuration in Lao PDR
Figure VI2-3	Switching Hierarchy in SKR
Figure VI2-4	Development Target for Savannakhet
Figure VI2-5	Development Target for Khammouan
Figure VI3-1	Summarized Organization of EdL
Figure VI3-2	Energy Sales
Figure VI3-3	Transmission System Diagram
Figure VI3-4	Daily Load Curves
Figure VI3-5	Long-Term Forecast of Peak Demand
Figure VI3-6	Existing and Planned Distribution System in Study Area
Figure VI3-7	500kV System Plan for IPP Projects