

TABLE 1: COUNTRY PERFORMANCE INDICATORS OF THE GMS COUNTRIES

Indicator:	Unit	Year	Cambodia	Yunnan, PRC	Lao PDR	Myanmar	Thailand	Viet Nam
<b>Economic Indicators:</b>								
Total area	'000 sq km		181	394	237	677	513	332
Total population	million	1999	11.7	41.4 <sup>a</sup>	5.1	47.3	62.0	79.3 <sup>a</sup>
Population growth	%/year	1999	2.5 <sup>a</sup>	1.5 <sup>b</sup>	2.5	1.9	1.0	1.6 <sup>a</sup>
Per capita GDP, nominal	\$	1999	254	526 <sup>a</sup>	281	n.a.	2,000	354
Per capita GDP, PPP	\$	1998	1,257	3,105 <sup>a</sup>	1,734	1,199	5,456	1,689
Growth rate of real GDP	%	ave 1997-1998	2.0	8.7	5.5	5.4 <sup>c</sup>	-6.1	6.3
	%	1999	5.0	n.a.	4.0	4.5 <sup>c</sup>	4.1	4.4
Annual inflation rate	%	ave 1997-1998	11.4	1.0 <sup>d</sup>	54.7	41.5 <sup>c</sup>	6.9	6.4
	%	1999	4.0	-1.4 <sup>d</sup>	128.4	n.a.	0.3	0.1
Exchange rate (average)	lc/US\$	1999	3,815	8.3 <sup>e</sup>	7,108	n.a.	37.79	14,028
Fiscal balance	% of GDP	1999	-3.7	-8.9 <sup>f</sup>	-9.3	-4.5 <sup>g</sup>	-3.0	-2.0
Current account balance	% of GDP	1999	-8.4 <sup>h</sup>	-3.7 <sup>h,i</sup>	-10.3	-53.0 <sup>g</sup>	9.1	2.3
Gross official reserves	\$ million	1999	422	154,700 <sup>a</sup>	116	n.a.	34,800	2,098
<b>Social and Environmental Indicators:</b>								
Infant mortality	per 1,000 live births	1998	104	38 <sup>a</sup>	96	80	30	31
Life expectancy at birth	years	1998	53.5	70.1 <sup>a</sup>	53.7	60.6	68.9	67.8
Adult literacy rate	%	1998	65.0 <sup>h</sup>	82.8 <sup>h</sup>	46.1	84.1	95.0	92.9
Primary school gross enrollment	%	1997	99.9	99.9 <sup>i</sup>	73.0	99.3	88.0	99.9
Popn below poverty line	%	1997/1998	36.1	10.8 <sup>j</sup>	46.9	22.9 <sup>h</sup>	12.9	37.0
Popn with access to safe water	%	1990-1998	68	67 <sup>h</sup>	68	60	81	45
Popn with access to sanitation	%	1990-1998	n.a.	24 <sup>h</sup>	n.a.	43	96	29
Public expenditure on education	% of GNP	1995-1997	2.9	2.3 <sup>h</sup>	2.1	1.1 <sup>h</sup>	4.8	3.0
Public expenditure on health	% of GDP	1996-1998	0.6	0.7 <sup>h</sup>	1.2	0.2	1.7	0.4
Land:population ratio	ha/person	1999	1.5	1.0	4.7	1.4	0.8	0.4 <sup>h</sup>
Average annual deforestation rate	%	1990-1995	1.6	0.1 <sup>h</sup>	1.2	1.4	2.6	1.4
Comm energy cons/capita	kg of oil eq	1997	n.a.	907 <sup>h</sup>	n.a.	296	1,319	521
Carbon dioxide emission	mt/capita	1996	0.0	2.8 <sup>h</sup>	0.1	0.2	3.5	10.8

<sup>a</sup> 1998 data.

<sup>b</sup> 1998 estimate.

<sup>c</sup> Refers to fiscal year ending 31 March.

<sup>d</sup> Refers to entire PRC.

<sup>e</sup> Excluding official transfers.

<sup>f</sup> Net exports of goods and services.

<sup>g</sup> As percent of merchandise exports.

<sup>h</sup> Refers to another year.

<sup>i</sup> Officially designated as poor in 1997; percent of population with annual per capita income below the 1997 national poverty line of Yuan 640 (about \$77).

<sup>j</sup> Data were collected during one of the years shown.

Source: Various ADB Country Assistance Plans, 2001-2003; ADB, Asian Development Outlook 2000; China Statistical Yearbook, 1999; and UNDP, Human Development Report 2000.

8.9 5.9 -1.7 -10.2 4.2  
5.2060469

0.089 0.059 -0.017 -0.102 0.042  
1.089 1.059 0.983 0.898 1.042

1.0607705  
0.011869  
1.1868981

3.6	8.7	5.6	5.6	1.2	7.2
8.4	5.2	54.0	29.4 <sup>a</sup>	5.1	6.0

6.7	5.5	2.6	1.3	5
0.067	0.055	0.026	0.013	0.05
1.067	1.055	1.026	1.013	1.05
				1.228466
				1.042012
				4.2011704
8.1	7.2	8	14.8	4
0.081	0.072	0.08	0.148	0.04
1.081	1.072	1.08	1.148	1.04
				1.494237
				1.083637
				8.3637168
10.5	9.6	8.8	7.8	7.1
0.105	0.096	0.088	0.078	0.071
1.105	1.096	1.088	1.078	1.071
				1.521283
				1.087532
				8.7531868
17.1	8.3	2.8	-0.8	-1.5
0.171	0.083	0.028	-0.008	-0.015
1.171	1.083	1.028	0.992	0.985
				1.273874
				1.049604
				4.9603509
7	6.9	6.9	4	4
0.07	0.069	0.069	0.04	0.04
1.07	1.069	1.069	1.04	1.04
				1.322531
				1.057502
				5.7501941
19.4	13	19.3	90.1	128.4
0.194	0.13	0.193	0.901	1.284
1.194	1.13	1.193	1.901	2.284
				6.988781
				1.4753
				47.529981
6.9	6.4	5.7	5	4.5
0.069	0.064	0.057	0.05	0.045
1.069	1.064	1.057	1.05	1.045
				1.319167
				1.056963
				5.696348
571.5	715.4	831.9	1078.9	1634.4
	25.17935	16.2846	29.69107	51.48763
	0.251794	0.162846	0.296911	0.514876
	1.251794	1.162846	1.296911	1.514876
				2.859843
				1.300426
				30.042566
8.9	5.9	-1.7	-10.2	4.2
0.089	0.059	-0.017	-0.102	0.042
1.089	1.059	0.983	0.898	1.042
				1.06077
				1.011869
				1.1868981
5.8	5.9	5.6	8.1	0.3
0.058	0.059	0.056	0.081	0.003
1.058	1.059	1.056	1.081	1.003
				1.282839
				1.051077
				5.1076762
9.5	9.3	8.2	4.4	4.4
0.095	0.093	0.082	0.044	0.044
1.095	1.093	1.082	1.044	1.044
				1.41144
				1.071353
				7.1352797
12.7	4.5	3.6	9.2	0.1
0.127	0.045	0.036	0.092	0.001
1.127	1.045	1.036	1.092	1.001
				1.333695
				1.059281
				5.9281373

**GREATER MEKONG SUBREGION  
ADB-Assisted Loan Projects**

LOAN NO.	COUNTRY	PROJECT NAME	DATE APPROVED	DIVISION	TOTAL PROJECT COST (\$million)	FINANCING			
						ADB		Government	Co-financing
1325	PRC	Yunnan Expressway	29-Sep-94	IETC	461.4	150.0		311.4	
1329	Lao PDR	Theun Hinboun Hydropower	8-Nov-94	IWEN	270.0	60.0 <sup>a</sup>		14.5 <sup>a</sup>	195.5 <sup>b</sup>
1369	Lao PDR	Champassak Road Improvement	31-Aug-95	IWTC	60.1	48.0		12.1	
1456	Lao PDR	Nam Leuk Hydropower Development	10-Sep-96	IWEN	112.6	52.0		22.1	38.5
1503	Cambodia	Siem Reap Airport	12-Dec-96	IWTC	17.0	15.0		2.0	
1691	PRC	Southern Yunnan Road Development	24-Jun-99	IETC	770.3	250.0		520.3	
1659	Cambodia	Phnom Penh - Ho Chi Minh City Highway	15-Dec-98	IWTC	52.7	40.0		12.7	
1660	Viet Nam	Phnom Penh - Ho Chi Minh City Highway	15-Dec-98	IWTC	144.8	100.0		44.8	
1727	Lao PDR	East-West Corridor Project	20-Dec-99	IWTC	40.0	32.0		8.0	
1728	Viet Nam	East-West Corridor Project	20-Dec-99	IWTC	36.0	25.0		11.0	
		<b>Total</b>			<b>1,964.9</b>	<b>772.0</b>		<b>958.9</b>	<b>234.0</b>

<sup>a</sup> The financial participation of the Government of Lao PDR, through Electricité du Laos (EdL) is as follows: Equity - \$66.0 million; Debt - \$8.5 million. \$60.0 million of the Government's project equity was provided as a loan by ADB.

<sup>b</sup> Other financing sources for the project are as follows: Equity - Nordic Hydropower (\$22.0 million), MDX Power (\$22.0 million);

**GREATER MEKONG SUBREGION**  
**ADB-Assisted Technical Assistance Projects**  
(as of July 2000)

TA No.	PROJECT NAME	DATE APPROVED	DIVISION	TOTAL PROJECT COST (\$ 000)	FINANCING			
					TASF	JSF	Government	Co-financing
<b>A. Core Projects</b>								
5487	Studies on Subregional Cooperation Among Cambodia, the PRC, Lao PDR, Myanmar, Thailand and Viet Nam — Phase I	9-Mar-92	PW3	270.0	270.0			
5535	Promoting Subregional Cooperation Among Cambodia, the PRC, Lao PDR, Myanmar, Thailand and Viet Nam — Phase II	10-Jun-93	PW3	5,260.0	1,500.0	3,000.0		760.0 — Sweden
5643	Subregional Electric Power Forum — GMS	20-Sep-95	IWEN	78.0				78.0 — Norway
5645	Meeting of Telecommunications Officials	2-Oct-95	IWTC	30.0				30.0 — Australia
5693	Promoting Subregional Cooperation Among Cambodia, the PRC, Lao PDR, Myanmar, Thailand and Viet Nam — Phase III	23-Jul-96	PW3	3,250.0		3,000.0	250.0	
5741	Subregional Telecommunications Forum—GMS	18-Jun-97	IWTC	50.0				50.0 — Australia
5886	Promoting Subregional Cooperation Among Cambodia, the PRC, Lao PDR, Myanmar, Thailand and Viet Nam — Phase IV	22-Dec-99	PW3	860.0		800.0	60.0	
	<b>Subtotal</b>			<b>9,798.0</b>	<b>1,770.0</b>	<b>6,800.0</b>	<b>310.0</b>	<b>918.0</b>
<b>B. Feasibility Study/Project Preparation</b>								
5586	Study of the Lao-Thailand-Viet Nam East-West Transport Corridor	18-Jul-94	IWTC	1,000.0				1,000.0 — France
5649	GMS Infrastructure Improvement: Ho Chi Minh City to Phnom Penh	9-Nov-95	IWTC	3,100.0		3,000.0	100.0	
5691	Thailand-Cambodia-Viet Nam Southern Coastal Road Corridor	18-Jul-96	IWTC	100.0	100.0			
5697	Se Kong-Se San and Nam Theun River Basins Hydropower Development Study	22-Aug-96	IWEN	2,500.0	500.0			2,000.0 — France
5710	Study of the Lao-Thailand-Vietnam East-West Transport Corridor	11-Dec-96	IWTC	3,100.0		3,000.0	100.0	
5728	Chiang Rai-Kunming Road Improvement via Lao PDR	27-Feb-97	IWTC	625.0		600.0	25.0	
5738	East Loop Telecommunications Project in the GMS	28-May-97	IWTC	820.0			50.0	770.0 — France
5885	GMS Preinvestment Study for the East-West Economic Corridor	22-Dec-99	PW3	350.0		350.0		
5893	Mekong/Lancang River Tourism Infrastructure Development	28-Dec-99	AWWU	770.0		600.0	170.0	
5915	Establishment of Backbone Telecommunications Network Project Phase I	17-May-00	IWTC	180.0	150.0		30.0	
	<b>Subtotal</b>			<b>12,545.0</b>	<b>750.0</b>	<b>7,550.0</b>	<b>475.0</b>	<b>3,770.0</b>
<b>C. Advisory TA</b>								
5622	Subregional Environmental Monitoring and Information System	9-Feb-95	ENVD	4,000.0		1,000.0	2,000.0	1,000.0 — UNEP
5647	Regional Program to Train Trainers in Tourism in the GMS	23-Oct-95	AWWU	149.0	130.0			16.0 — Singapore 3.0 — Thailand
5681	Cooperation in Employment Promotion and Training in the GMS	18-Apr-96	AWEH	920.0		600.0	50.0	270.0 — ILO
5684	Subregional Environmental Training and Institutional Strengthening in the GMS	9-May-96	ENVD/PW3	2,370.0		800.0	705.0	765.0 — Norway 100.0 — Finland
5686	Mitigation of Nonphysical Barrier to Cross-Border Movement of Goods and People	29-May-96	IWTC	232.0		180.0	24.0	28.0 — ESCAP
5743	Mekong/Lancang River Tourism Planning Study	24-Jun-97		655.0		600.0	55.0	
5749	Cross-Border Movement of Goods and People in the GMS	26-Aug-97	IWTC	730.0		550.0	40.0	140.0 — ESCAP
5751	Prevention and Control of HIV/AIDS in the GMS	17-Sep-97	EDRC	150.0				150.0 — Australia
5771	Poverty Reduction and Environmental Management in Remote GMS Watersheds	31-Dec-97	AWFN	3,800.0		1,000.0	600.0	2,200.0 — Finland
5783	Strategic Environmental Framework for the GMS	20-Mar-98	ENVD	1,900.0		600.0	270.0	1,000.0 — Switzerland 30.0 — UNEP
5794	Study of Health and Education Needs of Ethnic Minorities in the GMS	30-Jun-98	AWEH	850.0		300.0	50.0	500.0 — UK
5807	Tourism Skills Development in the GMS	29-Sep-98	AWWU	135.0		125.0		10.0 — Thailand
5822	Protection and Management of Critical Wetlands in the Lower Mekong Basin	22-Dec-98	AWFN	2,070.0		1,000.0	420.0	650.0 — Finland
5850	Facilitating the Cross-Border Movement of Goods and People in the GMS	16-Jul-99	IWTC	990.0		950.0	40.0	
5881	Preventing HIV/AIDS among Mobile Populations in the Greater Mekong Subregion	16-Dec-99	AWEH	800.0		450.0		350.0 — Sweden
5899	Subregional Environmental Monitoring and Information System (Phase II)	29-Dec-99	ENVD	600.0		100.0		500.0 — Norway
5920	Regional Indicative Master Plan on Power Interconnection in the Greater Mekong Subregion	14-Jul-00	IWEN	950.0	158.0		50.0	742.0 — Norway
	<b>Subtotal</b>			<b>21,301.0</b>	<b>288.0</b>	<b>8,255.0</b>	<b>4,304.0</b>	<b>8,454.0</b>
	<b>TOTAL AMOUNT</b>			<b>43,644.0</b>	<b>2,808.0</b>	<b>22,605.0</b>	<b>5,089.0</b>	<b>13,142.0</b>

43,644.0      43,644.0      0.1      0.5      0.116602511      0.301118138  
100.0      Percentage      6.4      51.8      11.7      30.1

**GMS PROGRAM  
INDICATIVE LENDING PIPELINE FUNDING REQUIREMENTS, 2001-2003**

Sector/Project Name	Poverty Classification <sup>a</sup>	Crosscutting Operational Priority <sup>b</sup>	Country Involvement	Responsible Division	Year of PPTA	PROJECT COST	GMS IPF			CAP
							OCR	ADF	Total	
<b>2001</b>										
<b>Telecommunications</b>										
1 Telecommunications Backbone Project Phase 1	ODI	RC, PSD	CAM LAO VIE	IWTC	2000	50.0		12.0 20.0 8.0	12.0 20.0 8.0	
<b>Total</b>						50.0	8.0	32.0	40.0	
<b>2002</b>										
<b>Transport</b>										
1 North-South Economic Corridor <sup>c</sup>	ODI	RC, PSD	LAO	IWTC	2000	95.0		30.0	30.0	20.0
<b>Subtotal</b>						95.0	0.0	30.0	30.0	20.0
<b>Tourism</b>										
2 GMS Tourism Infrastructure Development	ODI	RC, PSD	CAM PRC LAO THA VIE	AWWU	1999	51.0		5.0 10.0 5.0 10.0	40.0	10.0 <sup>d</sup>
<b>Subtotal</b>						51.0	25.0	15.0	40.0	10.0
<b>Environment</b>										
3 Poverty Reduction and Environmental Management in GMS Watersheds	CPI	RC, ENV	LAO THA VIE	AWFN	2001	30.0		5.0	15.0	
4 Integrated Natural Resources Management (formerly Wetlands Project)	CPI	RC, ENV	CAM LAO	AWFN	1999	30.0		20.0 5.0	25.0	20.0
<b>Subtotal</b>						60.0	5.0	35.0	40.0	20.0
<b>HRD</b>										
5 Prevention and Control of HIV/AIDS	CPI	RC, HD	CAM, LAO & VIE	AWEH	2001	30.0		15.0	15.0	
<b>Subtotal</b>						30.0	0.0	15.0	15.0	0.0
<b>TOTAL</b>						236.0	30.0	95.0	125.0	50.0

<sup>a</sup> CPI = Core Poverty Intervention; PI = Poverty Intervention; ODI = Other Development Interventions

ODI - 5 projects, with ADB Financing of \$195 million (74%); CPI - 4 projects, with ADB financing of \$70 million (26%)

<sup>b</sup> ENV = Environmental Protection; GAD = Gender and Development; GG = Good Governance; HD = Human Development; PSD = Private Sector Development and RC = Regional Cooperation

<sup>c</sup> This classification was completed prior to the finalization of the improved and redesigned classification system in December 2000, which will be applied from January 2001.

<b>2003</b>										
<b>Transport</b>										
1 Mekong River Commercial Navigation Project	ODI	RC, GG	PRC LAO THA	IWTC	2002	40.0		10.0 5.0	25.0	
<b>Subtotal</b>						40.0	10.0	5.0	25.0	
2 Kunming-Haiphong Transport Corridor <sup>e</sup>	ODI	RC, PSD	VIE	IWTC	VIE-2000	80.0		60.0	60.0	60.0
<b>Subtotal</b>						80.0		60.0	60.0	60.0
<b>HRD</b>										
3 Health and Education Needs of Ethnic Minorities in GMS	CPI	RC, HD	CAM, LAO & VIE	AWEH	2002	50.0		15.0	15.0	
<b>Subtotal</b>						50.0		15.0	15.0	0.0
<b>Total</b>						170.0	20.0	80.0	100.0	60.0
<b>GRAND TOTAL</b>						456.0	58.0	207.0	265.0	110.0

<sup>a</sup> CPI = Core Poverty Intervention; PI = Poverty Intervention; ODI = Other Development Interventions

ODI - 5 projects, with ADB Financing of \$195 million (74%); CPI - 4 projects, with ADB financing of \$70 million (26%)

<sup>b</sup> ENV = Environmental Protection; GAD = Gender and Development; GG = Good Governance; HD = Human Development; PSD = Private Sector Development and RC = Regional Cooperation

<sup>c</sup> The GMS Ministers have requested ADB to expedite the project and include it in the pipeline for 2001.

<sup>d</sup> In the Lao CAP, 2001-2003, the project is listed for 2003.

<sup>e</sup> Viet Nam portion is included in its CAP. PRC portion is not included in the cost estimate since it will be financed by the PRC Government.

<sup>f</sup> This classification was completed prior to the finalization of the improved and redesigned classification system in December 2000, which will be applied from January 2001.

**GMS PROGRAM**  
**TA PIPELINE INDICATIVE FUNDING REQUIREMENTS, 2001-2003**

Sector/Project Name	Responsible Division	Type of TA	Amount (\$ '000)		
			ADB	Others	Total
<b>2001 TECHNICAL ASSISTANCE PROGRAM</b>					
<b>Telecommunications</b>					
1 Telecommunications Policy and Management Study	IWTC	ADTA	2.0	-	2.0
<b>Subtotal</b>			<u>2.0</u>	<u>-</u>	<u>2.0</u>
<b>Trade and Investment</b>					
2 SME Growth and Development in GMS	IWFI	ADTA	0.6	-	0.6
3 Customs Cooperation in the GMS	IWFI	ADTA	0.3	-	0.3
<b>Subtotal</b>			<u>0.9</u>	<u>-</u>	<u>0.9</u>
<b>HRD</b>					
4 Prevention and Control of HIV/AIDS	AWEH	PPTA	0.6	-	0.6
<b>Subtotal</b>			<u>0.6</u>	<u>-</u>	<u>0.6</u>
<b>Environment</b>					
5 Strategic Environment Framework, Phase II	ENVD	ADTA	0.8	-	0.8
6 Poverty Reduction and Environmental Management in GMS Watersheds	AWFN	PPTA	1.0	-	1.0
<b>Subtotal</b>			<u>1.8</u>	<u>-</u>	<u>1.8</u>
<b>Energy</b>					
7 Strategy for Hydropower Development in the GMS	PWD	ADTA	0.4	-	0.4
<b>Subtotal</b>			<u>0.4</u>	<u>-</u>	<u>0.4</u>
<b>Others</b>					
8 Promoting Subregional Cooperation Among GMS Countries, Phase IV, Year 2	PW3	ADTA	0.8	-	0.8
<b>Subtotal</b>			<u>0.8</u>	<u>-</u>	<u>0.8</u>
<b>Total</b>			<u>6.5</u>	<u>-</u>	<u>6.5</u>
<b>2002 TECHNICAL ASSISTANCE PROGRAM</b>					
<b>Transport</b>					
1 Mekong River Commercial Navigation	IWTC	PPTA	1.0	-	1.0
<b>Subtotal</b>			<u>1.0</u>	<u>-</u>	<u>1.0</u>
<b>Trade and Investment</b>					
2 Support Private Sector Development in the GMS	IWFI	ADTA	0.3	-	0.3
<b>Subtotal</b>			<u>0.3</u>	<u>-</u>	<u>0.3</u>
<b>HRD</b>					
3 Prevention and Control of Malaria in GMS	AWEH	ADTA	0.8	-	0.8
4 Health and Education Needs of Ethnic Minorities	AWEH	PPTA	1.0	-	1.0
5 Skills Development in the GMS	AWEH	ADTA	0.6	-	0.6
<b>Subtotal</b>			<u>2.4</u>	<u>-</u>	<u>2.4</u>
<b>Others</b>					
6 Promoting Subregional Cooperation Among GMS Countries, Phase IV, Year 3	PW3	ADTA	0.8	-	0.8
<b>Subtotal</b>			<u>0.8</u>	<u>-</u>	<u>0.8</u>
<b>Total</b>			<u>4.5</u>	<u>-</u>	<u>4.5</u>

**GMS PROGRAM**  
**TA PIPELINE INDICATIVE FUNDING REQUIREMENTS, 2001-2003**

Sector/Project Name	Responsible Division	Type of TA	Amount (\$ '000)		
			ADB	Others	Total
<b>2003 TECHNICAL ASSISTANCE PROGRAM</b>					
<b>Telecommunications</b>					
1 Telecommunications Management Network Study	IWTC	ADTA	1.3	-	1.3
<i>Subtotal</i>			1.3		1.3
<b>Trade and Investment</b>					
2 Support to GMS Trade and Investment Promotion	IWFI	ADTA	0.3	-	0.3
<i>Subtotal</i>			0.3		0.3
<b>3 HRD</b>					
Improving Higher Education in the GMS	AWEH	ADTA	0.7	-	0.7
<i>Subtotal</i>			0.7		0.7
<b>Others</b>					
4 Promoting Subregional Cooperation Among GMS Countries, Phase V, Year 1	PW3	ADTA	0.8	-	0.8
<b>Total</b>			0.8	-	0.8
<b>GRAND TOTAL</b>			14.1		14.1

## GREATER MEKONG SUBREGION

PROJECT PROFILE					
1. <b>Project Name:</b> Telecommunications Backbone Project (Phase I)			2. <b>Sector/Subsector:</b> Telecommunications		
3. <b>Poverty Classification:</b> <sup>a*</sup> ODI			4. <b>Crosscutting Operational Priority:</b> <sup>b*</sup> RC, PSD		
5. <b>Rationale &amp; Objectives:</b> The objectives of the project are to: (i) enhance the access to telecommunications services of the poor in the GMS; (ii) reduce the incidence of the "digital divide" in the GMS; (iii) improve the backbone telecommunications infrastructure in order to attract private investment in national telecommunications networks; and (iv) allow the interconnection of national networks of the six GMS countries.			6. <b>Beneficiary Participation/Consultation Needs:</b>  Extensive participation of beneficiaries is expected. Consultations will take place during project preparation.		
7. <b>Scope:</b> The project will develop fiber optic transmission links for Phase I of the GMS Telecommunications Backbone Network covering the following connections: (i) Luang Namtha, Lao PDR to Mengla, PRC - 120 km; (ii) Thonnam, Lao PDR to Phnom Penh, Cambodia - 920 km; (iii) Vientiane-Luang Phrabang-Luang Namtha, Lao PDR - 420 km; (iv) Phnom Penh-Kampong Chaam-Siem Reap, Cambodia - 380 km; (v) Savannakhet, Lao PDR to Dong Ha, Viet Nam - 329 km; and (vi) additional link from Hanoi to Vinh, Viet Nam - 310 km (subject to capacity of existing lines). It will also include the upgrade and improvement of the transmission equipment.					
8. <b>Estimated Cost &amp; Financing Plan:</b>				<b>Remarks:</b>	
<b>Loan Project Cost (\$m)</b>					
<b>Financing (Source)</b>		<b>FC</b>	<b>LC</b>		<b>Total</b>
ADB					40.0 <sup>c</sup>
Co-financing					
Borrowers					10.0
Sub-borrowers					-
<b>Total</b>				<b>50.0</b>	
9. <b>Estimated Benefits and Beneficiary Groups:</b> The project is expected to reduce the cost of telecommunications and improve the overall network reliability, and help support both industrial and rural development by increasing economic efficiency resulting from improved communications in the GMS. If prices are reduced in line with costs, then communications will also be available to low-income groups. This will improve the quality of life by stimulating economic and social activity and providing greater access to services. Improved communications will also diminish the need to travel, thus easing the pressure on the transport infrastructure.					
10. <b>Executing Agency:</b> The telecommunications agencies of Cambodia, Lao PDR, and Viet Nam			11. <b>Project Implementation Period:</b> Start: 2001  End: 2003		
12. <b>Environment Category:</b>			13. <b>Processing Year:</b> 2001		

<sup>a</sup> CPI = Core Poverty Intervention; PI = Poverty Intervention; ODI = Other Development Interventions

<sup>b</sup> ENV = Environmental Protection; GAD = Gender and Development; GG = Good Governance; HD = Human Development; PSD=Private Sector Development and RC = Regional Cooperation

<sup>c</sup> Cofinancing is expected to be obtained.

\* This classification was completed prior to the finalization of the improved and redesigned classification system in December 2000, which will be applied from January 2001.

## IMPORTS

To:		Cambodia	PRC	Lao PDR	Myanmar	Thailand	Viet Nam	Total	Total World
Cambodia	1992								
	1993								
	1994								
	1995								
	1996								
	1997								
	1998								
	1999								
	PRC	1992		0.2	3.7		424.1	72.7	500.7
1993			1.2	3.5		601.2	122.6	728.5	103,622.0
1994			1.0	4.4		864.4	191.1	1,060.9	115,705.0
1995			5.7	6.4		1,610.8	332.0	1,954.9	132,163.0
1996			6.9	7.3		1,890.3	308.5	2,213.0	138,949.0
1997			45.0	5.8		2,004.8	357.0	2,412.7	142,163.0
1998			48.2	7.9		2,423.0	217.4	2,696.5	140,385.0
1999			50.1	9.9		2,494.6	209.1	2,763.7	179,403.0
Lao PDR		1992		-	30.6		133.1	17.6	181.4
	1993		3.0	18.1		164.8	19.7	205.6	431.9
	1994		2.6	20.2		270.3	22.5	315.6	564.1
	1995		2.8	21.5		287.8	23.9	336.0	588.8
	1996		3.0	23.2		310.0	25.8	362.0	689.6
	1997		-	4.9		336.7	25.1	366.7	408.5
	1998		-	19.6		411.3	28.6	459.5	590.2
	1999		-	22.5		414.9	28.8	466.2	604.3
	Myanmar	1992		-	284.9				284.9
1993			-	357.2				357.2	1,233.3
1994			-	406.0				406.0	1,477.2
1995			-	679.6				679.6	2,240.2
1996			-	573.2				573.2	2,524.0
1997			-	626.7				626.7	2,685.9
1998			0.0	586.2				586.2	2,430.2
1999			0.0	611.8				611.8	2,346.8
Thailand		1992		93.2	1,219.5	41.1		80.2	1,433.9
	1993		89.8	904.5	63.2		84.8	1,142.2	46,064.7
	1994		126.2	1,388.2	69.1		39.1	1,622.5	54,393.8
	1995		160.6	2,095.5	69.8		43.1	2,369.0	73,692.0
	1996		47.8	1,953.1	68.5		65.6	2,134.9	73,335.7
	1997		78.9	2,260.1	59.9		176.2	2,575.1	62,803.7
	1998		24.7	1,821.6	31.7		234.5	2,112.5	43,108.1
	1999		24.9	1,693.9	32.0		236.5	1,987.3	49,073.8
	Viet Nam	1992		6.7	31.8	7.7	41.2		87.4
1993			7.6	85.5	41.9	99.5		234.5	3,923.9
1994			17.7	144.2	102.9	225.7		490.6	5,825.8
1995			23.5	329.7	84.0	439.7		876.9	8,155.4
1996			17.9	329.0	68.1	494.5		909.5	11,143.1
1997			24.7	404.4	52.7	575.2		1,057.0	11,592.1
1998			46.1	1,126.2	60.1	652.0		1,884.4	12,382.9
1999			46.5	977.8	60.6	657.6		1,742.5	12,311.7

**EXPORTS**

From:	Cambodia	PRC	Lao PDR	Myanmar	Thailand	Viet Nam	Total	Total World	
Cambodia	1992								
	1993								
	1994								
	1995								
	1996								
	1997								
	1998								
	1999								
PRC	1992	12.8		27.8		894.5	106.3	1,041.3	85,620.1
	1993	20.3		37.1		750.1	276.7	1,084.2	91,692.8
	1994	35.3		36.0		1,159.4	341.7	1,572.4	120,865.0
	1995	51.6		47.8		1,752.3	721.7	2,573.4	148,955.0
	1996	63.4		23.5		1,259.2	842.2	2,188.3	151,165.0
	1997	75.6		22.9		1,502.0	1,078.5	2,679.1	182,917.0
	1998	113.5		17.8		1,169.7	1,023.8	2,324.9	183,744.0
	1999	111.3		20.5		1,208.5	888.9	2,229.1	250,427.0
Lao PDR	1992		3.4		37.3	7.0		47.6	103.5
	1993		25.5		74.8	23.1		123.4	240.5
	1994		8.1		77.2	81.2		166.5	300.4
	1995		8.8		83.3	87.7		179.8	311.2
	1996		0.8		96.7	157.6		255.1	320.7
	1997		0.3		34.3	0.2		34.8	192.1
	1998		7.2		28.8	0.2		36.2	632.2
	1999		9.0		29.1	0.2		38.3	256.8
Myanmar	1992	-	119.3	-	-	-		119.3	683.6
	1993	-	149.7	-	-	-		149.7	851.3
	1994	-	129.8	-	28.8	-		158.6	915.2
	1995	-	136.0	-	36.5	-		172.5	1,167.2
	1996	-	125.0	-	-	-		125.0	1,171.2
	1997	0.1	66.7	-	-	-		66.9	1,122.1
	1998	-	56.0	-	-	-		56.0	1,205.8
	1999	-	66.4	-	-	-		66.4	1,319.2
Thailand	1992	65.8	385.8	121.0		76.7		649.2	32,472.5
	1993	179.3	429.7	175.0		115.7		899.8	37,157.7
	1994	260.3	929.8	291.5		254.1		1,735.7	45,582.7
	1995	334.1	1,642.2	354.4		468.2		2,798.8	57,200.1
	1996	362.6	1,868.3	363.8		478.2		3,073.0	55,743.2
	1997	311.5	1,743.7	378.4		539.6		2,973.2	57,559.7
	1998	301.7	1,769.3	373.9		592.7		3,037.6	54,489.3
	1999	304.3	1,872.2	377.1		597.8		3,151.4	57,721.3
Viet Nam	1992	6.4	95.6	16.0		71.5		189.6	2,917.7
	1993	96.2	135.8	14.4		71.8		318.2	2,985.2
	1994	77.3	295.7	20.9		97.6		491.5	4,054.3
	1995	94.6	361.9	20.6		101.3		578.4	5,450.4
	1996	99.0	340.2	24.9		107.4		571.5	7,257.7
	1997	108.9	474.1	30.4		235.3		848.7	9,185.0
	1998	82.5	197.6	34.7		213.2		527.9	8,780.6
	1999	83.2	190.1	35.0		215.0		523.3	9,730.0

Cambodia	Indonesia	Japan	Korea, Rep.	Lao, P.D.R.	Malaysia	Philippines	China, Pec	Singapore	Thailand	United Sta	Viet Nam	World
10.898	833.9	93.544			68.449	0.995		401.669			0.111	
22.85	936.903	99.396			55.759	1.565		380.276			0.058	
35.257	1179.29	86.448			64.776	3.555		593.469			94.861	
53.8	1461	235.3			110.5	41.5		689.8			169.7	
45.7	1546.4	558.3			77.7	132		1290			204.2	
47.6	1675.4	417			141.6	240.6		1215.9			291.5	
51.408	1588.83	167.121			124.569	369.368		385.474			541.909	
50.1896	1727.9	168.559			171.447	372.545		476.916			593.636	



**NET FOREIGN DIRECT INVESTMENTS BY COUNTRY OF ORIGIN TO  
CAMBODIA, LAO PDR, MYANMAR, THAILAND, AND VIET NAM  
(in million US dollars)**

<i>From</i>		<i>To</i>					<b>TOTAL</b>
		<b>Cambodia</b>	<b>Lao PDR</b>	<b>Myanmar</b>	<b>Thailand</b>	<b>Viet Nam</b>	
<b>Cambodia</b>	1995		n.a.		0.40	0.50	0.90
	1996		n.a.		1.20		1.20
	1997				(2.70)		(2.70)
	1998				1.60		1.60
<b>PRC</b>	1995	6.49	n.a.	0.10	1.60	7.20	15.39
	1996	37.31	n.a.	3.10	3.90	3.10	47.41
	1997	36.15	20.07	2.20	4.50	28.10	91.02
	1998	107.61	1.35	0.40	4.00	1.70	115.06
<b>Lao PDR</b>	1995		n.a.		4.20		4.20
	1996		n.a.		3.40	0.70	4.10
	1997				1.20		1.20
	1998				1.70		1.70
<b>Myanmar</b>	1995		n.a.		(0.10)		(0.10)
	1996		n.a.			(0.37)	(0.37)
	1997						-
	1998				0.20		0.20
<b>Thailand</b>	1995	36.45	n.a.	18.00		55.00	109.45
	1996	54.14	n.a.	32.40		37.00	123.54
	1997	27.29	104.26	38.50		105.40	275.45
	1998	33.41	9.96	26.40		51.00	120.77
<b>Viet Nam</b>	1995	0.17	n.a.				0.17
	1996		n.a.				-
	1997		0.74		1.30		2.04
	1998	0.43	0.77		1.10		2.30
<b>TOTAL GMS</b>	1995	43.11	n.a.	18.10	6.10	62.70	130.01
	1996	91.45	n.a.	35.50	8.50	40.43	175.88
	1997	63.44	125.07	40.70	4.30	133.50	367.01
	1998	141.45	12.08	26.80	8.60	52.70	241.63
<b>ASEAN</b>	1995	1,563.77	n.a.	64.20	164.70	387.20	2,179.87
	1996	296.70	n.a.	96.70	312.90	329.03	1,035.33
	1997	109.44	134.58	176.00	326.90	547.20	1,294.12
	1998	236.70	12.64	337.00	554.60	398.70	1,539.64
<b>Japan</b>	1995	0.29	n.a.	0.50	556.70	134.33	691.82
	1996	1.05	n.a.	0.40	523.30	158.60	683.35
	1997	0.73	9.30	6.60	1,082.10	433.91	1,532.64
	1998	-	1.20	11.60	1,547.00	383.75	1,943.55
<b>North America</b>	1995	40.43	n.a.	16.40	258.00	48.20	363.03
	1996	4.72	n.a.	31.00	429.40	133.38	598.50
	1997	19.29	5.95	3.20	623.70	83.10	735.24
	1998	8.41	3.22	0.40	936.00	20.17	968.20
<b>Europe</b>	1995	212.59	n.a.	45.60	195.70	421.40	875.29
	1996	68.79	n.a.	176.50	220.00	272.76	738.05
	1997	20.65	17.11	72.50	527.70	134.48	772.44
	1998	8.09	7.88	62.60	878.00	135.56	1,092.13
<b>TOTAL</b>	1995	2,394.51	n.a.	135.20	2,069.90	1,780.40	6,380.01
	1996	964.81	n.a.	317.60	2,338.30	1,803.08	5,423.79
	1997	931.97	379.70	268.70	3,733.00	2,587.33	7,900.70
	1998	1,144.26	327.38	421.40	7,130.90	1,700.37	10,724.31

Source: ASEAN Secretariat

**Cross-Border Trade Between Thailand and Neighboring GMS Countries**

	1991	1992	1993	1994	1995	1996	1997	1998	1999
<b>Exports from Thailand:</b>									
<b>Value in million baht</b>	<b>3,304</b>	<b>5,136</b>	<b>6,369</b>	<b>14,628</b>	<b>15,526</b>	<b>18,156</b>	<b>36,963</b>	<b>28,836</b>	<b>61,703</b>
Thailand/Cambodia	49	778	1,247	2,250	3,361	4,461	9,125	8,448	15,991
Thailand/Lao PDR	2,015	2,578	2,873	7,043	7,917	8,770	15,448	13,839	33,158
Thailand/Myanmar	1,241	1,781	2,250	5,334	4,248	4,924	12,389	6,549	12,555
<b>Growth in percent</b>		<b>55.5%</b>	<b>24.0%</b>	<b>129.7%</b>	<b>6.1%</b>	<b>16.9%</b>	<b>103.6%</b>	<b>-22.0%</b>	<b>114.0%</b>
Thailand/Cambodia		1496.7%	60.3%	80.5%	49.3%	32.7%	104.6%	-7.4%	89.3%
Thailand/Lao PDR		27.9%	11.4%	145.2%	12.4%	10.8%	76.1%	-10.4%	139.6%
Thailand/Myanmar		43.5%	26.3%	137.1%	-20.4%	15.9%	151.6%	-47.1%	91.7%
<b>Imports to Thailand:</b>									
<b>Value in million baht</b>	<b>4,855</b>	<b>5,203</b>	<b>3,992</b>	<b>5,948</b>	<b>5,493</b>	<b>3,866</b>	<b>6,637</b>	<b>3,848</b>	<b>11,771</b>
Thailand/Cambodia	275	1,367	1,865	2,643	2,526	1,278	2,658	898	1,136
Thailand/Lao PDR	1,625	1,494	1,184	1,476	1,934	2,053	3,030	1,780	8,316
Thailand/Myanmar	2,955	2,343	943	1,830	1,032	535	948	1,170	2,319
<b>Growth in percent</b>		<b>7.2%</b>	<b>-23.3%</b>	<b>49.0%</b>	<b>-7.7%</b>	<b>-29.6%</b>	<b>71.7%</b>	<b>-42.0%</b>	<b>205.9%</b>
Thailand/Cambodia		396.2%	36.5%	41.7%	-4.4%	-49.4%	108.0%	-66.2%	26.5%
Thailand/Lao PDR		-8.1%	-20.7%	24.6%	31.0%	6.2%	47.6%	-41.3%	367.3%
Thailand/Myanmar		-20.7%	-59.8%	94.1%	-43.6%	-48.2%	77.2%	23.5%	98.1%
<b>Memorandum Items:</b>									
Share of exports to total	0.5%	0.6%	0.7%	1.3%	1.1%	1.3%	2.1%	1.3%	2.9%
Share of imports to total	0.5%	0.5%	0.3%	0.4%	0.3%	0.2%	0.4%	0.2%	0.7%

Source: Customs Department, Thailand

	25.51	25.40	25.31	25.15	24.91	25.34	31.36	41.35	37.79
Total exports	720,545	815,202	921,433	1,118,049	1,381,660	1,378,902	1,789,695	2,180,847	2,145,527.25

% of cross-border to total	0.5%	0.6%	0.7%	1.3%	1.1%	1.3%	2.1%	1.3%	2.9%
Total imports	967808	1020582	1143108	1344831	1755456	1796549	1874545	1677864	1,808,138.13
% of cross-border to total	0.5%	0.5%	0.3%	0.4%	0.3%	0.2%	0.4%	0.2%	0.7%

**Average  
1991-99**

<b>44.2%</b>
106.3%
41.9%
33.5%

<b>11.7%</b>
19.4%
22.6%
-3.0%


