



GMS Program



Greater Mekong Subregion
Economic Cooperation Program



Regional Investment Framework 2023-2025

DECEMBER 2022

GMS SECRETARIAT

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PHIÊN KIỂM KẾ TSCĐ
Model: CK 001, Serial (GT 01)
Số máy: 116.321.5014
Đơn vị: Viện Công Nghệ Thực Phẩm
Số đăng ký: 01/2015



GMS Regional Investment Framework (2023–2025)

Background and Overview

As the Greater Mekong Subregion (GMS) program enters its third decade of cooperation, the GMS Leaders endorsed and adopted the Greater Mekong Subregion Economic Cooperation Program Strategic Framework 2030 (GMS-2030) at the 7th GMS Summit. In their Joint Statement, the GMS Leaders mandated the GMS Ministers and Senior Officials to develop a realistic and implementable pipeline of projects that support the strategic and operational priorities of GMS-2030. Furthermore, GMS-2030 commits that the GMS regional pipeline will be revised to raise the standard for project inclusion to increase its appeal to development partners and the private sector. Projects-based development remains a comparative advantage of the GMS program and having a concrete pipeline of priority projects will provide opportunities for attracting co-financing.

The Regional Investment Framework 2023–2025 (RIF 2025) responds to this mandate. RIF 2025 is a pipeline of near-term priority projects which align with the strategies, goals, and thematic priorities set in GMS 2030. The new RIF focus on mobilizing project financing with a three-year rolling pipeline, starting with RIF 2023–2025, and extended forward each year with updated projects to add or drop. This new RIF 2025 incorporates a new project proposal process and project criteria.

The Regional Investment Framework 2023–2025 pipeline is comprised of 111 projects across the countries and sectors of the GMS program: transport, energy, agriculture, environment, health and other human resource development, urban development, tourism, transport and trade

facilitation, information and communication technology, and other multi-sector projects. The projects in the RIF 2025 will require mobilizing financial resources amounting to \$11.7 billion from development partners, the private sector, and the countries' national and regional budgets.

A. Strengthened RIF Process for Proposing, Reviewing, and Approving RIF Projects

The RIF 2025 adopts a revised process and criteria for screening the project pipeline. The process for project proposal, review, and approval is revised to strengthen the National Secretariats' review of projects being proposed for the RIF and will include the following fundamental steps:

- a. *Step 1 – Project Proposals Origination:* Project proposals should continue to be originated and proposed from sector working groups. Working Group members should submit project proposals with the ownership of their respective line ministries in the GMS Project Proposal Template.
- b. *Step 2 – Assessment of Project Priority and Meeting RIF Criteria:* After project proposals are generated, sector working groups should prioritize and discuss the sector's respective proposals. Projects which do not meet the minimum criteria will not be included.
- c. *Step 3 – Validation of RIF Projects:* The National Secretariats for each country and the GMS Secretariat will review and validate the proposed projects. Projects should meet



the minimum project screen criteria, and if applicable, note any additional aspirational criteria which align with and support the GMS-2030. In parallel during this period, the GMS Secretariat may also consult with development partners, private sector entities, and other partners to assess the viability and attractiveness of the proposed projects for financing.

- d. *Step 4 – Decision to Include in RIF:* After review and validation is completed by the National Secretariats, the final three-year rolling pipeline will be presented to the GMS Ministers for endorsement at the annual GMS Ministerial Conference or other high-level meeting.

The decision process facilitates formal discussions with the relevant RIF Working Group on the proposed country projects and validation by the GMS National Secretariats of the priority projects for the pipeline.

B. RIF Project Criteria

Projects in the new pipeline should meet minimum criteria for inclusion in the RIF. Projects meeting aspirational criteria which are aligned with GMS-2030 could also be considered.

For **minimum criteria**, proposed projects should foster core project elements of the GMS program. This includes:

- meet basic identification project criteria;
- projects in the project pipeline must be projects that have regional impact or spillover effect¹;
- projects must be supported by active sectors of cooperation under the GMS program (e.g., proposed through an active working group mechanism);
- projects align with GMS regional and/or national and sector strategies;
- if applicable, projects may include minimum standards of project readiness and project preparation such as having strong project ownership and a clear project sponsor and having stages of project preparation completed (feasibility study complete, possible source of financing identified, project is included in national investment plans).

In addition, projects which meet **aspirational criteria** that support cross-cutting areas in the GMS-2030 may also be considered. Projects may include one or more of the following aspirational criteria:

- are multi-country projects with regional benefits;
- support spatial development (economic corridors and/or city clusters);
- have private sector participation;
- have strong gender elements;
- are green projects, or support the blue economy;

¹ Projects can be multi-country regional projects or a single country project that has regional economic benefit.



- target poverty alleviation/reduction;
- align with international principles for quality infrastructure;²
- foster digitalization.³

These minimum and aspirational criteria are incorporated into a project proposal template which is submitted by the project proponent to the sector working group and/or GMS National Secretariat.

C. Support for the RIF

The GMS Secretariat commits to support the RIF process through capacity building and other means to publicize and market the RIF. For example, the GMS Secretariat may provide support and capacity building to the sector working groups in completing the project proposals. The GMS Secretariat will also discuss the RIF projects with development partners and organize forums and roundtables where the project pipeline and specific projects may be presented. To assess and attract private sector participation, the GMS Secretariat will identify projects with potential for public-private partnerships, or full private sector development, and may organize project investment forums to present the projects for private sector participation.

² Quality infrastructure principles include: (i) infrastructure supports sustainable growth and development; (ii) take into account life-cycle cost; (iii) integrate environmental considerations; (iv) build resilience against natural disasters and other risks; (v) integrate social considerations; and (vi) support infrastructure governance.

³ The GMS Digitalization strategy is still under development; this criterion will be added following the approval of the GMS Digitalization strategy and its associated definitions.

D. GMS Indicative Pipeline

The following tables outline the proposed GMS projects for approval and/or commencement in 2023–2025. This represents a summary list of the RIF 2025 with indicative costs and proposed funding sources only. Full project details and proposals can be further requested from the GMS Secretariat via www.greatermekong.org or gms@adb.org.

Appendix 1. Total Number and Cost Estimate of GMS RIF 2025 Projects, by Sector and by Country

Sectors	Cambodia		PRC		Lao PDR		Myanmar		Thailand		Viet Nam		Regional		TOTAL	
	No. of Projects	Cost Estimate (\$ million)	No. of Projects	Cost Estimate (\$ million)	No. of Projects	Cost Estimate (\$ million)	No. of Projects	Cost Estimate (\$ million)	No. of Projects	Cost Estimate (\$ million)	No. of Projects	Cost Estimate (\$ million)	No. of Projects	Cost Estimate (\$ million)	No. of Projects	Cost Estimate (\$ million)
Transport	12	451.50	6	2,653.41	9	1,694.57			3	501.92					30	5,301.40
Energy					1	0.50	1	99.00	1	90.00					3	189.50
Agriculture	1	5.00	4	2,011.65	10	142.70	1	90.00	3	1.10					19	2,250.45
Environment	1	110.00	4	246.25	4	2.47	4	3.00	6	3.21	9	10.36			28	375.29
Health & Other HRD	1	36.12	3	496.87	1	5.00									5	537.99
Urban Development			1	1,373.00	3	17.00									4	1,390.00
Other Multisector/ BEZ			2	550.06											2	550.06
Tourism			1	357.60	3	91.50	2	1.30	1	0.30	4	355.10	5	223.83	16	1,029.63
TTF									1	0.50					1	0.50
ICT	1	10.00			1	0.15	1	15.00							3	25.15
TOTAL	16	612.62	21	7,688.84	32	1,953.89	9	208.30	15	597.03	13	365.46	5	223.83	111	11,650

Appendix 2. Summary of Projects in GMS Regional Investment Framework 2023-2025

No.	Type ¹	Project Title	Year of Commencement	Country	Cost Estimate (\$ million)	Potential Funding Source* and Amount (\$ million) ²	Project Contact
Transport							
1	Investment	Integrated Road Network Improvement Project	2023	Cambodia	150.00	Development Partner	H.E. Pheng Sovicheano, Secretary of State, MPWT
2	TA	Sustainable Road Network Improvement Project, Svay Rieng Province (SRNIP)	2023	Cambodia	1.00	Development Partner	H.E. Pheng Sovicheano, Secretary of State, MPWT
3	Investment	Sustainable Road Network Improvement Project, Svay Rieng Province (SRNIP)	2024	Cambodia	50.00	Development Partners	H.E. Pheng Sovicheano, Secretary of State, MPWT
4	TA & Investment	Safer Access Road Network Improvement Project	2023	Cambodia	1.20	Development Partner	H.E. Pheng Sovicheano, Secretary of State, MPWT
5	Investment	Safer Road Network Improvement Project (SRNIP)	2024	Cambodia	100.00	Development Partners	H.E. Pheng Sovicheano, Secretary of State, MPWT
6	TA	Feasibility Study for Steung Bot International Railway Station and the Rehabilitation of Sereisophorn and Battambang Station Facilities, in Banteay Mean Chey and Battambang Province	2023	Cambodia	6.00	Development Partners	Mr. Ouk Ourk, Director of Railway Department, Ministry of Public Works and Transport
7	TA	Development of Regional Logistics Complex	2023	Cambodia	50.00	Development Partner	H.E. Chhieng Pich General Department of Logistics, Ministry of Public Works & Transport
8	TA	Construction of Logistics Complex in Bavet	2023	Cambodia	50.00	DP	H.E. Chhieng Pich General Department of Logistics, Ministry of Public Works & Transport

* Indicative only.

No.	Type ¹	Project Title	Year of Commencement	Country	Cost Estimate (\$ million)	Potential Funding Source* and Amount (\$ million) ²	Project Contact
9	TA	Kampong Chnang Logistics Special Zone	2023	Cambodia	2.80	Development Partner	H.E. Chhieng Pich General Department of Logistics, Ministry of Public Works & Transport
10	TA & Investment	Investment: Improvement of Cross-Border Logistics and Transport System in Bavet city (Construction of PR316D and new cross-border facilities)	2023	Cambodia	23.00	Development Partner	H.E. Chhieng Pich General Department of Logistics, Ministry of Public Works & Transport
11	TA	Development of Railway Regulatory Framework	2023	Cambodia	16.00	Development Partner—16.0	Mr. Ouk Ork, Director General of Logistics, Department of Railway, Ministry of Public Works & Transport
12	TA & Investment	TA: Improvement of Cross-Border Logistics and Transport System in Bavet city (Construction of PR316D and new cross-border facilities)	2023	Cambodia	1.50	Development Partner	H.E. Chhieng Pich General Department of Logistics, Ministry of Public Works & Transport
13	Investment	Tengchong Houqiao Port Comprehensive Development Infrastructure Construction Project	2025	PRC	959.16	AiIB—700.0 Domestic Finance (PRC)—259.16	Zhang Mingde, Deputy Director, Yunnan Tengchong Economic Development Zone Management Committee
14	Investment	Construction of Pupiao bulk cold chain logistics center in Longyang District	2023	PRC	168.68	Development Partner—106.83 Project Company— 61.85	Meng Jichuan (Director) Commerce Bureau of Baoshan Longyang District E-mail: 271933491@qq.com
15	Investment	Lancang-Menglian (Menga) section of the Lancang-Menglian Highway	2023	PRC	1,264.61	Development Partners—1131.20 Govt of PRC— 133.41	Pu'er Transportation Bureau Deputy Director of Transportation Bureau of Pu'er: Shifa Zhao, 13378797857

* Indicative only.

No.	Type ¹	Project Title	Year of Commencement	Country	Cost Estimate (\$ million)	Potential Funding Source* and Amount (\$ million) ²	Project Contact
16	Investment	Jiangcheng County Longfu Port Phase I construction project	2023	PRC	110.96	Government of PRC	Director of Jiangcheng County Development and Reform Bureau Cunyou Li
17	Investment	Function improvement project of Yutang to No.476, Muyang Town, Funing County, Yunnan Province	2025	PRC	150.00	Development Partners and Govt Funds	Zhou Shengjing, chairman of Yunnan Tianpeng Highway Port Investment and Development Co., Ltd
18	Investment	PRC Basa-Vietnam Basha Red River Boundary River Highway Bridge Project	2025	PRC		Government Fund	Shicheng Yue (Director of Hekou County Transportation Bureau)
19	Investment	Improvement of Bridges on NR9 in Savannakhet Province, Lao PDR (Phase II)	2023	Lao PDR		JICA	Mr. Sonthanou Thongxayyo Email: sonthanou88@gmail.com Department of Railways Lao PDR
20	Investment	Lao-Thai Bridge No.6 Salavan-Oubon	2024	Lao PDR	63.28	NEDA	Mr. Litta Khattiya, Director General of Department of Roads, MPWT, Lao PDR. Address: Lanexang Avenue, Vientiane Capital, Lao PDR Phone No./Fax No.: Tel. +856 21 412714, Fax. +856 21 414132
21	Investment	Vientiane– Thakhek–Mu Gia Railway Project (452 km) Mu Gia–Vung Ang (103 km)	2023-2025	Lao PDR	1,600.00	Seeking financing for possible PPP	Department of Railways, MPWT, Mr. Ketsana, Project Coordinator, +856 20 22588889 ketsanasouk khamthath@rocketmail.com

* Indicative only.

No.	Type ¹	Project Title	Year of Commencement	Country	Cost Estimate (\$ million)	Potential Funding Source* and Amount (\$ million) ²	Project Contact
22	TA	Feasibility Study for Savannakhet– Lao Bao Railway Project (220 km)	2023	Lao PDR	2.00	Seeking financing for possible PPP	Department of Railways, MPWT, Mr. Ketsana, Project Coordinator, +586 2022588889 ketsanasouk khamthath@rocketmail.com
23	TA	Feasibility Study for Pakse, Champasak Province – Vernkham (Lao PDR- Cambodia border) Railway project, (100Km)	2023	Lao PDR	1.00	Seeking Financing for FS	Department of Railways, MPWT, Mr. Ketsana, Project Coordinator, +586 20 22588889 ketsanasouk khamthath@rocketmail.com
24	TA	Capacity building focused on implementing the Electric Vehicle Regulation for GMS's member countries (2023-2024)	2023	Lao PDR	1.00	Development Partner	Department of Transport, MPWT Assistance coordinator: Mr. Daniel Silavong E mail: @gmail.com Tel:+856207787888
25	TA	Strengthening National Road Safety Committee (NRCS) Capacities for Road Safety Management in Lao PDR (2023-2024)	2024	Lao PDR	0.80	Development Partners	Mr. Bounyavath Niraxay Deputy Director General, Department of Transpon, Ministry of Public Works and Transport Mobile phone: +856 20 59192879 Address: MPWT, LaneXang Avenue, Vientiane, Lao PDR Email address: bou nyawath@gmail.com

* Indicative only.

No.	Type ¹	Project Title	Year of Commencement	Country	Cost Estimate (\$ million)	Potential Funding Source* and Amount (\$ million) ²	Project Contact
							Mr. Phouthavishet Phommanivong Deputy Director of Division, Department of Transport, Ministry of Public Works and Transport Mobile phone: +856 20 95223277 Address: MPWT, Lanexang Avenue, Vientiane, Lao PDR Email address: phouthavishet@yahoo.com
26	TA	Blackspot Improvement Program for Asian Highway Network (AH) in Lao PDR	2023-2025	Lao PDR	1.19	Development Partner	Mr. Vilayphanh Xayavong, DDG, Department of Transport, MPWT Mobile phone: +8562055510214 Address: MPWT, LaneXangAve., Vientiane, Lao PDR Email: vilayphanh_sayavong@yahoo.com Phouthavishet Phommanivong, Deputy Director of Division, DOT, MPWT Mobile phone +8562095223277

* Indicative only.

No.	Type ¹	Project Title	Year of Commencement	Country	Cost Estimate (\$ million)	Potential Funding Source* and Amount (\$ million) ²	Project Contact
27	Investment	Luang Prabang-Chom Phet Bridge Project	2023	Lao PDR	25.30		<p>1. Proponent Agency Name: Mr. Viengsavath Siphandone Tel: 856 21 452392 Fax: 865 21 412859 Email: viengsavath.spd@gmail.com Address: Lane Xang Avenue, Vientiane Municipality</p> <p>2. Implementing Agency Name: Mr. Litta Khattiya Tel: 856 20 56 897 887 Fax: 865 21 41 41 32 Email: k_litta@yahoo.com Address: Lane Xang Avenue, Vientiane Municipal</p>
28	Loan	Construction of a new road from Udon Thani to Bueng Kan	2023-2025	Thailand	501.25	Seeking financing	Department of Highways, Ministry of Transport Miss Orawan Liengsukson Director of the International Highways Development Group
29	TA	The Development of Railway Infrastructure Quality Management with Advanced Sensors and Monitoring Technologies to Enhance Safety and Efficiency of Rail Transport Connectivity in CLMVT Region	2023	Thailand	0.18		Thailand Institute of Scientific and Technological Research (TISTR), Ministry of Higher Education, Science, Research and Innovation

* Indicative only.

No.	Type ¹	Project Title	Year of Commencement	Country	Cost Estimate (\$ million)	Potential Funding Source* and Amount (\$ million) ²	Project Contact
30	TA	A Novel Paradigm of Smart and Sustainable Urban Development Model with Economic and Logistics Driven on Railway Network System in Mekong Region Base on Transit Oriented Development (TOD) Principles	2023	Thailand	0.49		Logistics Research and Development Institute, Ministry of Interior
Energy							
31	TA	GMS National Geothermal Energy Project of Lao PDR	2023	Lao PDR	0.50	Development Partner	Mr. Virasith Phomsouvanh, Deputy Director, Remote Sensing and Mapping Division Email: phvirasith@gmail.com
32	Investment	230kV Mawlamyine-Ye-Dawei Transmission Line	2023	Myanmar	99.00	Development Partners	U Myo Naing Deputy Director General Department of Power Transmission and System Control, Ministry of Electric Power Email: myonaing072355.mm@gmail.com
33	Investment	Transmission Interconnection Project from Lao PDR (Ban Lak25) to Thailand (Ubon Ratchathani 3)	2023	Thailand, Lao PDR	90.00	Nam Ngum 2 Power Company	Mr. Chanthaly Chansompheng Office of the GMS National Coordinator, Lao PDR Email: chansompheng@yahoo.com Generation and Transmission System Planning Division, Electricity Generating Authority of Thailand

* Indicative only.

No.	Type ¹	Project Title	Year of Commencement	Country	Cost Estimate (\$ million)	Potential Funding Source* and Amount (\$ million) ²	Project Contact
Agriculture							
34	TA	Industrial Diversification for Sustainable Economic Corridor Development (Note: Cassava and Rubber Manufacturing Industry Promotion Sector in Cambodia, People Republic of China and Myanmar)	2025	Cambodia	5.00		Cambodia: Ministry of Industry, Science, Technology and Innovation (MISTI) Myanmar: Ministry of Industry
35	TA	Establishment of technological alliance on the integrated management of Yellow Spined Bamboo Locust (YSBL, <i>Ceracris kiangsu</i>) in Mekong River Basin countries	2023	PRC	3.00	Development Partner—1.0 PRC— 1.0 Myanmar—0.5	Dr. Long Zhang, locust@cau.edu.cn, Professor and Dr. Liwei Zhang, lwzhang@cau.edu.cn, Associate professor, China Agricultural University; Dr. Khin Khin Marlar Myint, kkmlm1974@gmail.com, Deputy Director, Head of Entomology Section, Plant Protection Division, Department of Agriculture, Myanmar;
36	Investment	National Reserve Forest and Industrial Integration Development Project of Longyang District, Baoshan City, Yunnan Province	2023-2025	PRC	1,754.23	Development Partner—1,392.11	Shen Guobing (director) E-mail: 2648770132@qq.com, Forestry and Grassland Bureau of Longyang District, Baoshan City, Yunnan Province, PRC

* Indicative only.

No.	Type ¹	Project Title	Year of Commencement	Country	Cost Estimate (\$ million)	Potential Funding Source* and Amount (\$ million) ²	Project Contact
37	TA	Upland Rice Breeding and Propagation Training Center Construction in Greater Mekong Subregion and Demonstration and Promotion of New Varieties	2023	PRC	15.00		Peng Xu, Professor, Xishuangbanna Tropical Botanical Garden, Chinese Academy of Sciences; Southeast Asia Biodiversity Research Institute, Chinese Academy of Sciences (CAS-SEABRI)
38	Investment	PRC and Lao PDR Railway Xishuangbanna Green and Low-Carbon International Trade Storage Facility Project	2023	PRC	239.42	Development Partners and Govt Funds	Shicheng WANG Deputy Director of the Management Committee of Xishuangbanna Health Products Park
39	TA	Climate Change Impact-based Flood and Drought Risk Management for Agriculture Production and Flood Security in the Xebangfai River Basin	2023	Lao PDR	0.20	Development Partner—0.2	Ms. Manisahone Chittaphong Senior Researcher/Technical Officer, Modelling Division, Natural Resources and Environment Research Institute, Ministry of Natural Resources and Environment Email: ch_manisakhone@yahoo.com
40	TA	Hydrogeological Characteristic of Ground Water Aquifers in the Southern Part of Lao PDR	2023	Lao PDR	1.00	Development Partner—1.0	Mr. Oulaphone Ongkeo, Head of Modelling Division, NRERI, MONRE Email: oulaphoneongkeo@gmail.com ;Mr. Pankham Soundala, Technical Modelling Division, NRERI, MONRE

* Indicative only.

No.	Type ¹	Project Title	Year of Commencement	Country	Cost Estimate (\$ million)	Potential Funding Source* and Amount (\$ million) ²	Project Contact
41	TA	Dissemination of smart farmer technology to improve quality and quantity of agricultural production	2023	Lao PDR	30.00	Development Partner—30	Dr. Phetmanyseng Xangsayasane National Agriculture and Forestry Research Institute, Ministry of Agriculture and Forestry Email: phetmanyseng@gmail.com Dr. Ouk Makara Cambodia Agriculture Research and Development Institute(CARDI) Email: ou.makara@cardi.org.kh
42	TA	Development of the National Surveillance System for Zoonotic Diseases	2023	Lao PDR	10.00	Development Partner, WB, and PRC	Dr. Phouvang Phommachanh National Animal Health Laboratory, Department of Livestock and Fisheries, Ministry of Agriculture and Forestry, Vientiane Capital, Lao PDR Email: Phouvang.Phommachanh335@outlook.com
43	TA	Improving maize-based farming systems on sloping lands in Lao PDR and Viet Nam	2023	Lao PDR	1.00	Development Partner—1.0	Mr. Thisadee Chounlamountry Ministry of Agriculture and Forestry (MAF) Lao PDR Email: thisadeec@hotmail.com Tran Minh Tien, PhD Associate Professor of Soil Science Director General Soils and Fertilizers Research Institute (SFRI)

* Indicative only.

No.	Type ¹	Project Title	Year of Commencement	Country	Cost Estimate (\$ million)	Potential Funding Source* and Amount (\$ million) ²	Project Contact
							Duc Thang, Bac Tu Liem, Hanoi, Vietnam Email: tientm.sfri@mard.gov.vn; tranminhtien74@yahoo.com
44	TA & Investment	Climate-Resilient Irrigation and Rehabilitation Modernization Project (CRIRMP)	2023	Lao PDR	70.00	Development Partner—70.0	Dr. Khamphachanh Vongsana Deputy Director General Department of Irrigation, Ministry of Agriculture and Forestry (MAF), Lao PDR Email: khamphachanh@hotmail.com Dr. Vongsakda Vongxay Deputy Director General Department of Planning and Cooperation, MAF, Lao PDR Email:vongsakda.vx@gmail.com
45	Investment	Improved Sanitary and Phytosanitary Handling of Lao PDR for increased GMS countries Market Access	2023	Lao PDR	12.00	Development Partner	Dr. Phommy Inthichack Deputy Director General Department of Planning and Cooperation (DOPC), Ministry of Agriculture and Forestry (MAF) Email: p_inthichack@yahoo.com Ms. Kinnaly Phommasack National Project Coordinator SPS-GMS Trade Project DOPC, MAF Email: kinnaly.sps@gmail.com Mr. Alounxay Onta, Director International Cooperation Division, DOPC, MAF Email: alounxayonta@gmail.com

* Indicative only.

No.	Type ¹	Project Title	Year of Commencement	Country	Cost Estimate (\$ million)	Potential Funding Source* and Amount (\$ million) ²	Project Contact
46	TA	Create and strengthen volunteer soil doctors program to promote the soil management for sustainable agriculture	2024	Lao PDR	10.00	Development Partner—10.0	<p>Lao PDR: Sisavath Phimmason R&D for Agricultural Land Development, Department of Agricultural Land Management 2 Email: sisavathphimmason@yahoo.com</p> <p>Thailand: Prapa Taranet, Ph. D. Research and Development for Land Management Division, Land Development Department Email: prapataranet@gmail.com</p> <p>Cambodia: Mr Seng Vang Director General of Agriculture Email: sengvangkh@gmail.com</p>
47	TA	Cold Value Chain Development in Cross-border checkpoint of Thailand-Lao PDR-PRC	2023	Lao PDR	3.50	Development Partner—3.5	Mr. Phanxay INGXAY Department of Agricultural Extension and Cooperatives, Ministry of Agriculture and Forestry, Lao PDR Email: phanxay.i@gmail.com

* Indicative only.

No.	Type ¹	Project Title	Year of Commencement	Country	Cost Estimate (\$ million)	Potential Funding Source* and Amount (\$ million) ²	Project Contact
48	TA & Investment	Greater Mekong Subregion Cross-Border Livestock Health and Value Chains Improvement Project	2023	Lao PDR	5.00	ADB—5.0	Phanthavong Vongsamphan (Ph.D) Deputy Director General Department of Livestock and Fisheries, MAF Lao PDR Email: vongsamphanh2015@gmail.com Khamson Sisaad Director of Livestock Management Division Department of Livestock and Fisheries, MAF Lao PDR Email: khamson13@hotmail.com Thansamay Vorlaphim (Ph.D) Technical staff of Livestock Management Division Department of Livestock and Fisheries, MAF Lao PDR Email: Tsm.vorlaphim@yahoo.com
49	Investment	Greater Mekong Subregion Cross-Border Livestock Health and Value Chains Improvement Project	2025	Myanmar	90.00	Development Partner	Dr. Hnin Thidar Myint Director Planning, Statistics, International and Information Technology Division Livestock Breeding and Veterinary Department Email: htmlbvd2015@email.com, ir.lbvd@smail.com
50	TA	Innovative One Green Food Brand (oneGFB) Production and Consumption with Local Communities in Mekong Region	2023	Thailand	0.50		Chiang Mai University, Ministry of Higher Education, Science, Research and Innovation

* Indicative only.

No.	Type ¹	Project Title	Year of Commencement	Country	Cost Estimate (\$ million)	Potential Funding Source* and Amount (\$ million) ²	Project Contact
51	TA	Intervention Approach in the Mekong Region to Ensure Food Security and Safety in the Time of COVID-19 Pandemic	2023	Thailand	0.30		Chiang Mai University, Ministry of Higher Education, Science, Research and Innovation
52	TA	Technological Adaptation in Fish Culture for Improvement of Productivity and Food Safety towards Green Entrepreneurial Aquaculture	2023	Thailand	0.30		Suranaree University of Technology, Ministry of Higher Education, Science, Research and Innovation
Environment							
53	TA	Clean Water Project Development and Implementation in Northern Cambodian Protect Area	2023	Cambodia	110.00		Mr. Ouk Navann Deputy Director General General Department for Local Community Ministry of Environment Email: navanouk@gmail.com
54	Investment & TA	Greater Mekong Subregion Climate Change and Environmental Sustainability Program for Climate Change Mitigation and Adaptation and Water Resources Utilization Management of Community Demonstration in Tiandong County, Baise City	2023-2024	PRC	0.20	ADB—0.10 PRC Government— 0.10	Mr. Chen Hexiao, Email:77609099@qq.com Deputy Director of Guangxi Environmental Protection International Cooperation & Exchange Center, PRC
55	Investment & TA	Construction of water pollution prevention and control infrastructure and river ecological corridor in the East River basin upstream of the Nujiang River (Salween River) in Longyang District, Baoshan City, Yunnan Province	2023-2025	PRC	245.65	Development Partner—196.52 PRC Government— 49.13	Name: Duan Yunfeng (406878237@qq.com) Position: Director of Housing and Urban-Rural Development Bureau of Longyang District, Baoshan City, Yunnan Province

* Indicative only.

No.	Type ¹	Project Title	Year of Commencement	Country	Cost Estimate (\$ million)	Potential Funding Source* and Amount (\$ million) ²	Project Contact
56	Investment & TA	Greater Mekong Subregion Climate Change and Environmental Sustainability Program for Sino-Vietnamese Climate-smart Cross-border Biodiversity Landscape Management	2023-2024	PRC	0.20	Development Partner—0.10 PRC Government—0.10	Mr. Chen Hexiao, Email:77609099@qq.com Deputy Director of Guangxi Environmental Protection International Cooperation & Exchange Center, PRC
57	Investment & TA	Greater Mekong Subregion Climate Change and Environmental Sustainability Program for Disaster Prevention and Climate Change Mitigation and Adaptation of Coastal Aquaculture in Beihai	2023-2024	PRC	0.20	Development Partner—0.10 PRC Government—0.10	Mr. Chen Hexiao, Email:77609099@qq.com Deputy Director of Guangxi Environmental Protection International Cooperation & Exchange Center, PRC
58	TA	GMS Transboundary Haze Pollution: Air Pollution Monitoring Project in Lao PDR	2023	Lao PDR	0.50	Development Partner—0.5	Mr. Virasith Phomsouvanh Deputy Director Remote Sensing and Mapping Division, Lao PDR Email: phvirasith@gmail.com
59	TA	Early Flood Detection using intelligence devices, internet of things (IOT), artificial intelligence, and mobile applications	2023	Lao PDR	0.07		Phonpasit Phissamay, Director General, Aplied Research Institute of Smart Technology Email: phonpasit@mtc.gov.la, phonpasit@hotmail.com

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No.	Type ¹	Project Title	Year of Commencement	Country	Cost Estimate (\$ million)	Potential Funding Source* and Amount (\$ million) ²	Project Contact
60	TA	Simulate Mud and Debris Flows in Kor River Sub-Watershed, Xay District, Oudomxay Province, Lao PDR	2023	Lao PDR	0.40	Development Partner—0.4	Ms. Sabay Thoummalangsy Technical Officer, Modelling Division, Natural Resources and Environment Research Institute, Ministry of Natural Resources and Environment Email: sabaythoummalangsy@gmail.com
61	TA	Support Implementation programme of the Nam Ngiep and Nam Theun-Cading River Basin Management Plans	2023	Lao PDR	1.50	Development Partner—1.50	Mr. Inthavy Akkharath, Director General, Department of Water Resources, Ministry of Natural Resources and Environment
62	TA	Promoting community based ecosystem restoration and advancing climate change mitigation practices in the central Dry Zone of Myanmar	2024	Myanmar	1.00	PPP Investment private sector investment	U Myint Soe Director (Planning), Dry Zone Greening Department Email: dzgd.dir.plan@gmail.com
63	TA	Curriculum Reform and Development for University of Forestry and Environmental Science	2024-2025	Myanmar	0.50	Development Partner/s	Dr. Khin Maung Sint Rector University of Forestry and Environmental Science Email: uof.yezin@googlemail.com
64	TA	Developing Digital Management in University of Forestry and Environmental Science	2024-2025	Myanmar	0.50	Development Partner/s	Dr. Khin Maung Sint Rector University of Forestry and Environmental Science Email: uof.yezin@googlemail.com

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No.	Type ¹	Project Title	Year of Commencement	Country	Cost Estimate (\$ million)	Potential Funding Source* and Amount (\$ million) ²	Project Contact
65	TA	Establishment of Environmental Laboratory	2024-2025	Myanmar	1.00	Development Partner/s	Dr. Khin Maung Sint Rector University of Forestry and Environmental Science Email: uof.yezin@googlemail.com
66	TA	Industrial Capacity Building on GHG Emission Reductions to Reach Carbon Neutrality in GMS	2023	Thailand	0.18		Management System Certification Institute (Thailand) (MASCI), Foundation for Industrial Development, Networking Institution of the Ministry of Industry, Ministry of Industry
67	TA	Building Climate Change Research Collaboration Platform and Investigation of the Response Mechanism and Influence of Continuous Drought on Tropical Forest Ecosystems of the Mekong Subregion	2023	Thailand	0.70		King Mongkut's University of Technology Thonburi, Ministry of Higher Education, Science, Research and Innovation
68	TA	Regional Voluntary Carbon Market to Help Address Climate Change in the Mekong Region	2023	Thailand	0.33		Rangsit University, Ministry of Higher Education, Science, Research and Innovation

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No.	Type ¹	Project Title	Year of Commencement	Country	Cost Estimate (\$ million)	Potential Funding Source* and Amount (\$ million) ²	Project Contact
69	TA	Development and strengthen of measures and tools for the conservation and protection of the area network for migratory bird conservation along the East Asian-Australasian Flyway (EAAF) in Mekong Sub-region (Cambodia Myanmar and Thailand)	2023	Thailand	0.50		Biodiversity Management Division; Office of Natural Resources and Environmental Policy and Planning (ONEP), Ministry of Natural Resources and Environment
70	TA	Sustainable Water and Sediment Management under Climate Change Impacts: Case Studies on Huailuang and Nam-Ngiep Reservoirs in Mekong Basin (2022-2023)	2023	Thailand	1.00		Royal Irrigation Department, Ministry of Natural Resources and Environment
71	TA	Building a Platform for the effective management of Urban and Peri-urban Forestry and Green Areas in Mekong Region for Sustainable Urban Forest Management Biodiversity Conservation for Food Security	2023	Thailand	0.50		The Royal Forestry Department (RFD), Ministry of Natural Resources and Environment
72	TA	Proposing Models on rational Utilization of natural capital in biodiversity corridors in the GMS	2023	Viet Nam	1.25	Development Partners	Mr. Le Dinh Tho-DG Institute of Strategy and Policy on Natural Resources and Environment.

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No.	Type ¹	Project Title	Year of Commencement	Country	Cost Estimate (\$ million)	Potential Funding Source* and Amount (\$ million) ²	Project Contact
73	TA	Studying and proposing mechanisms to encourage the private sector's participation in investing, improving and rehabilitating lakes, ponds, canals and river sectors in urban and residential areas of Mekong Delta in Viet Nam		Viet Nam			Mr. Le Dinh Tho-DG Institute of Strategy and Policy on Natural Resources and Environment.
74	TA	Integration of Climate Change Mitigation and Adaptation Measures in Management of Transboundary Central Annamites Landscape	2023	Viet Nam	1.25	Development Partners	Mr. Van Ngoc Thinh Chief Executive Officer
75	TA	Sustainable Urban Mobility with Corporate Engagement	2023	Viet Nam	1.00	Development Partners	Mr. Van Ngoc Thinh Chief Executive Officer
76	TA	Investigation and assessment of soil quality and land potentials, and developing plans for land use change to adapt to a changing climate in 10 provinces of Mekong delta region	2023	Viet Nam	5.00	Development Partner	General Department of Land Administration/ Ministry of Natural Resource and Environment
77		Land-use Models to Restore Soil Quality, Minimize Degraded Land and Conserve Biodiversity in Ninh Thuan Province	2023	Viet Nam	1.00	Development Partner	General Department of Land Administration/ Ministry of Natural Resource and Environment

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No.	Type ¹	Project Title	Year of Commencement	Country	Cost Estimate (\$ million)	Potential Funding Source* and Amount (\$ million) ²	Project Contact
78	TA	Investigate and assess the current status and propose effective solutions for management and use of agricultural land to households and individuals in Lower Mekong River basin on Vietnamese territory in the context of climate change	2023	Viet Nam	0.13	Development Partner	General Department of Land Administration/ Ministry of Natural Resource and Environment
79	TA	Expanding Viet Nam's national program for Payments for Forest Environmental Services (PFES)	2023	Viet Nam	0.50	Development Partner	Viet Nam Forest Protection and Development Fund (VNFF), a ministerial body within MARD that governs the national PFES program and leads PFES policy development
80	TA	A national Monitoring and Evaluation (M&E) system for Payments for Forest Environmental Services (PFES)	2023	Viet Nam	0.23	Development Partners	Viet Nam Forest Protection and Development Fund (VNFF), a ministerial body within MARD that governs the national PFES program and leads PFES policy development
Health							
81	Investment & TA	Tianpeng Port International Hospital Project	2025	PRC	84.00	Development Partners—10	Zhou Shengjing, chairman of Yunnan Tianpeng Highway Port Investment and Development Co., Ltd
82	Investment	Strengthening Public Health Institutions Building Project – Fangchenggang Subproject	2023	PRC	192.87	Development Partner—86.44 PRC Government—106.43	Dongying Huang gxcztgjc@sina.com Director of Foreign Debts Management Division, Guangxi Department of Finance

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No.	Type ¹	Project Title	Year of Commencement	Country	Cost Estimate (\$ million)	Potential Funding Source* and Amount (\$ million) ²	Project Contact
83	Investment & TA	GMS International Human Resources Development Base in Tengchong, Yunnan	2023-2025	PRC	220.00	Development Partners, PRC Government	Gao Mingqiang (Deputy Chief)
84	TA & Investment	Strengthening of Digital Health in Lao PDR- (Loan \$4 Mn, Grant \$1 Mn)	2023-2025	Lao PDR	5.00	Development Partner/s	Dr. Bounserth Keoprasith DG, Department of Planning and Cooperation, Ministry of Health Dr. Thepphouthone Sorsavanh Director of Health Information Division, Department of Planning and Cooperation, Ministry of Health
85	Investment	Greater Mekong Subregion Border Areas Health Project	2023	Cambodia	36.12	ADB —32.55 Government of Cambodia—3.57	Cambodia Ministry of Health
Urban Development							
86	Investment	Guangxi Wuzhou Healthy and Age-Friendly City Development Program	2023	PRC	1,373.00	Development Partner—100.0	
87	Investment	Kaysonphomvihanh Urban infrastructure Improvement	2023	Lao PDR	6.50	Development Partner	Mr. Nalong Soulingavongsa Email: nalong_ss@ gmail.com Department of Housing and Urban Planning Ministry of Public Works and Transport, Lao PDR
88	Investment	Pakse Urban Environment Improvement	2023	Lao PDR	7.50	Development Partner	Mr. Kittisack Chonghuk Email: kittisackpakse@gmail.com Department of Housing and Urban Planning Ministry of Public Works and Transport, Lao PDR

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No.	Type ¹	Project Title	Year of Commencement	Country	Cost Estimate (\$ million)	Potential Funding Source* and Amount (\$ million) ²	Project Contact
89	Investment	Bokeo Urban Roads and Drainage Upgrading	2023	Lao PDR	3.00	Development Partner	Mr Khamphath Phommasing Email: Vonglokhamphetnakhon@gmail.com Bokeo Province, General Director of Public Works and Transport. Office Tel/Fax: 084 211489. Mr Phetnakhone Vonglokhamb Email: Vonglokhamphetnakhone@gmail.com Director of Project Implementation Unit (GMS2) Office Tel/Fax: 084 215026
Other Multisector/BEZ							
90	Investment	Jinghong Menglong Construction project of port economic zone	2023	PRC	444.00	Local Government Special Bond Funds	Zhang Xing (Deputy Director) Jinghong Municipal Bureau of Commerce
91	Investment	Malipo (Tianbao) Border Trade Processing Park infrastructure construction project	2024	PRC	106.06	Local Finance or Industrial Park Investment and Development LLC —10.59 National Project Bank— 42.366	Lang Xueying, director of Malipo County Industry, Information Technology and Commerce Bureau

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No.	Type ¹	Project Title	Year of Commencement	Country	Cost Estimate (\$ million)	Potential Funding Source* and Amount (\$ million) ²	Project Contact
Tourism							
92	Investment	Tourism Infrastructure Development in the Emerald Triangle Development Area Project		Cambodia, Lao PDR, Viet Nam	75.00		
93	Investment	Tourism Infrastructure Development in Green Triangle Development Area Project		Cambodia, Lao PDR, Viet Nam	75.00		
94	Investment	Guangxi Li River Comprehensive Ecological Management and Demonstration Project	2023	PRC	357.60	ADB—140.0 PRC Government—217.6	Dongying Huang gxcztgjc@sina.com Director of Foreign Debts Management Division, Guangxi Department of Finance
95	Investment	GMS Smart and Sustainable Tourism Infrastructure for Inclusive Growth Project	2024	Regional: Lao PDR	41.20	ADB—40.0 Govt of Lao PDR— 1.2	Mrs. Phonemaly Inthaphome, Director General, Tourism Development Department, Ministry of Information, Culture and Tourism, Lao PDR email: phonmalylilyo901@gmail.com
96	TA	GMS Cross-Border Tourism Corridor Development Project	2024	Lao PDR	20.60	ADB—20.0 Govt. of Lao PDR—0.6	Mrs. Phonemaly Inthaphome, Director General, Tourism Development Department, Ministry of Information, Culture and Tourism, Lao PDR email: phonmalylilyo901@gmail.com

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No.	Type ¹	Project Title	Year of Commencement	Country	Cost Estimate (\$ million)	Potential Funding Source* and Amount (\$ million) ²	Project Contact
97	TA	Last Mile Connections in Tourism Destinations along Lao PDR-PRC Railway Project	2024	Lao PDR	30.90	ADB—30.0 Govt. of Lao PDR—0.9	Mrs. Phonemaly Inthaphome, Director General, Tourism Development Department, Ministry of Information, Culture and Tourism, Lao PDR email: phonmalyilyo901@gmail.com
98	Investment & TA	Regional Destinations Development and Mangement Network Project	2024	Regional Cambodia, Lao PDR, Viet Nam, Thailand	30.90	ADB—30.0 Govt. of Lao PDR—0.9	Mrs. Phonemaly Inthaphome, Director General, Tourism Development Department, Ministry of Information, Culture and Tourism, Lao PDR email: phonmalyilyo901@gmail.com
99	Investment	Lao Urban Environment Improvement Investment Project	2024	Lao PDR	40.00	ADB—40.0	MPWT through Department of Housing and Urban Planning and the Department of Water Supply will be executing agency. The DPWT of Luang Prabang province and the USO of Luang Prabang City will be the implementing agencies.
100	TA	Enhancing the Tourism Related MSMEs of GMS Countries Through Digitalization TA	2023	Myanmar	1.00	Development Partners	Ms. Khaing Mee Mee Htun Director International and Regional Cooperation Department, Ministry of Hotels and Tourism
101	TA	Publication of Tourism Promotional Materials TA	2023	Myanmar	0.30	Development Partners	Ms. Myo Myo Than Director Tourism Promotion Department, Ministry of Hotesl and Tourism

* Indicative only.

No.	Type ¹	Project Title	Year of Commencement	Country	Cost Estimate (\$ million)	Potential Funding Source* and Amount (\$ million) ²	Project Contact
102	TA	Cultural Heritage Route Development in the GMS	2024	Thailand	0.30	Development Partners	Ms. Nalanthorn Panumpun Foreign Relations Officer, Department of Tourism, Thailand
103	Investment & TA	Improve Tourism Infrastructure in Cau Treo International Border Gate Economic Zone Project	2024	Viet Nam	60.00	ADB—35.0 Govt of Viet Nam—10.0 Investment in the form of PPP—5.0 Investment by the private sector—10.0	Mr. Bui Huy Cuong Director of Ha Tinh PMU Email: loan3165hatinh@gmail.com People's Committee of Ha Tinh province, Ha Tinh PMU
104	Investment & TA	Improve Tourism Infrastructure, Protect Forests, Border Security and Community-based Tourism Development Project in the EWEC	2024	Viet Nam	50.00	ADB—25.0 Govt of Viet Nam—5.0 Investment in the form of PPP—5.0 Investment by the private sector—5.0	Mr. Bui Huy Cuong Director of Ha Tinh PMU Email: loan3165hatinh@gmail.com People's Committee of Ha Tinh province, Ha Tinh PMU
105	Investment	Lao Cai Sustainable Urban and Infrastructure Development Project	2023	Viet Nam	119.00	ADB—83.0 Govt of Viet Nam—33.0 Japan Fund for Prosperous & Resilient Asia & the Pacific—3.0	Lao Cai Provincial People's Committee (PPC)
106	Investment	Hoa Binh Tourism Infrastructure Development Project	2024	Viet Nam	126.10	ADB—74.5 Govt of Viet Nam—51.6	Provincial Project Management Unit under Hoa Binh Provincial People's Committee
107	TA	TA 6899: Southeast Asia Sustainable Tourism Facility	2023	Regional	1.73	ADB—0.5 Cofinancing—1.73	

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No.	Type ¹	Project Title	Year of Commencement	Country	Cost Estimate (\$ million)	Potential Funding Source* and Amount (\$ million) ²	Project Contact
Transport and Trade Facilitation							
108	TA	Transboundary Cooperation Mechanism on Cross-border E-commerce, Logistics, Entrepreneur Network, University Talent Training and Development Project	2023	Thailand	0.50		Chiang Mai University, Ministry of Higher Education, Science, Research and Innovation
Information and Communication Technology							
109	TA	Project to develop the data sharing trigger on ICT area for GMS countries to promote the achievement of sustainable development goals (SDGs)	2023	Lao PDR	0.15		Mr. Saobakhone Phetviharn Deputy of General Director
110	Investment TA	Cambodia Smart Government Affairs Project	2025	PRC	10.00	ADB—5.00 CBD—5.00	Chhay Piseth, Deputy chief ; No 275, Preah Norodom Blvd,3rd Building on the right (General Commissariat of National Police), Phnom Penh, Cambodia Phone/Fax:(855)23726398, pisethchhay@nctc.com.Kh
111	Investment	PRC-ASEAN Information Harbor Myanmar Cloud Computing Center	2025	PRC	15.00	ADB—7.50 CBD—7.50	Mr. Wang Xiao Yu (Chief Executive Officer) Myanmar Broadband Telecom Co., Ltd
Total (Investment and TA Projects)					11,650		

* Indicative only.

¹ Investment or Technical Assistance (TA).

² Does not imply commitment of funding.

Regional Investment Framework 2023-2025 (RIF 2025)

GMS Regional Investment Framework 2023-2025 (RIF 2025) is a three-year rolling pipeline of near-term priority projects which align with the strategies, goals, and thematic priorities set in GMS Economic Cooperation Program Strategic Framework 2030 (GMS 2030). This new RIF 2025 incorporates new project criteria and has been prepared through an extensive consultative process.

RIF 2025 was endorsed at the 25th GMS Ministerial Conference in Luang Prabang, Lao PDR on 8 December 2022. The RIF 2025 comprises 111 projects with a total estimated value of \$ 11.7 billion.

About the Greater Mekong Subregion Economic Cooperation Program

The Greater Mekong Subregion (GMS) is made up of Cambodia, the Lao People's Democratic Republic, Myanmar, the People's Republic of China (specifically Yunnan Province and Guangxi Zhuang Autonomous Region), Thailand, and Viet Nam. In 1992, with assistance from the Asian Development Bank and building on their shared histories and cultures, the six countries of the GMS launched a program of subregional economic cooperation—the GMS Program—to enhance their economic relations. The GMS Program covers the following sectors: agriculture; energy; environment; health and other human resource development; information and communication technology; tourism; transport; transport and trade facilitation; urban development; and border economic zones.

About the Asian Development Bank

ADB is committed to achieving a prosperous, inclusive, resilient, and sustainable Asia and the Pacific, while sustaining its efforts to eradicate extreme poverty. Established in 1966, it is owned by 68 member countries—49 from Asia and the Pacific. Its main instruments for helping its developing member countries are policy dialogue, loans, equity investments, guarantees, grants, and technical assistance.

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