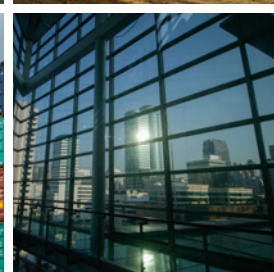
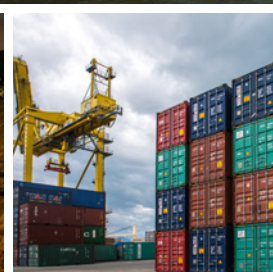
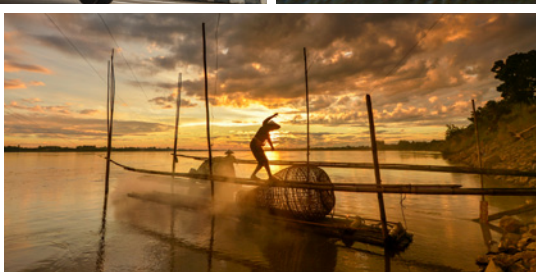
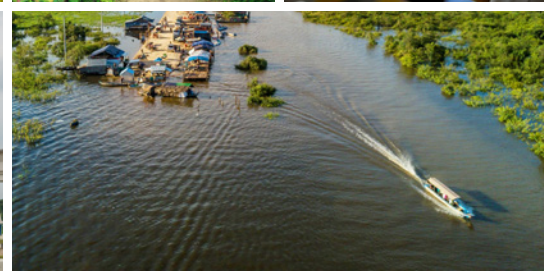




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Greater Mekong Subregion  
Economic Cooperation Program

# Regional Investment Framework 2022: First Progress Report and Update

December 2018



Greater Mekong Subregion  
Economic Cooperation Program

# Regional Investment Framework 2022: First Progress Report and Update

*December 2018*

**GMS SECRETARIAT**

Southeast Asia Department  
Asian Development Bank  
6 ADB Avenue, Mandaluyong City  
1550 Metro Manila, Philippines  
Fax: +63 2 636 2226  
E-mail: [gms@adb.org](mailto:gms@adb.org)

**Web addresses:**

<https://www.adb.org/countries/gms/main>  
<https://www.greatermekong.org/>

**To download report:**

<https://greatermekong.org/gms-regional-investment-framework-2022>

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# Introduction and Overview of the Regional Investment Framework 2022

The Regional Investment Framework 2022 (RIF 2022) is the medium-term pipeline of priority investment and technical assistance projects in the Greater Mekong Subregion (GMS) and operationalizes the strategic thrusts and priorities of the GMS Program under the GMS Strategic Framework (2012–2022)<sup>1</sup> and the Ha Noi Action Plan 2018–2022.<sup>2</sup> The RIF 2022 was endorsed at the 22nd Ministerial Conference in Ha Noi, Viet Nam on 20 September 2017 and then adopted by the GMS Leaders during the 6th GMS Summit of Leaders on 31 March 2018 in Ha Noi. At that time, the RIF 2022 medium-term pipeline had 227 investment and technical assistance projects, requiring \$66 billion in estimated financing. It includes projects in the various sectors of GMS cooperation: transport, energy, agriculture, environment, health and other human resource development, urban development, tourism, transport and trade facilitation, information and communication technology, and other multisector or border economic zones. The purpose of the RIF 2022 is to be used (i) as an instrument for greater alignment between regional and national planning and programming for GMS projects, and (ii) as a marketing tool to galvanize new financing for projects.

Projects in the RIF 2022 were generated through extensive consultations with GMS sector working groups, forums, and the GMS National Coordinators and Secretariats in each country. Thus, the RIF 2022 pipeline is presented by sector, noting country coverage and estimated cost of financing for the whole project and that some projects have multiple country coverage, while some have other sector linkages.

The pipeline includes planned Asian Development Bank (ADB) investments in the GMS, but also

represents projects being funded by national governments, other multilateral and bilateral development partners, projects being developed by the private sector, and unfunded projects for which financing is yet to be identified.

The GMS leaders directed officials of the GMS Program to ensure that the RIF is monitored and updated regularly. The RIF business process (Appendix 1) was thus endorsed as part of the RIF 2022. The RIF 2022 business process outlines the following:

- (i) The GMS Secretariat coordinates the generation of the RIF progress report as an annual report.
- (ii) GMS national coordinators play a critical role in coordinating with line ministries to gather project updates and to validate the proposed investment pipelines.
- (iii) ADB sector focal persons facilitate the discussions for the generation of new project proposals and project updates at the GMS annual or biannual sector working group meetings.
- (iv) Projects in sectors without a designated working group are overseen by the GMS National Coordinators.
- (v) GMS Ministers endorse the annual updates to the RIF 2022.
- (vi) The GMS Secretariat disseminates the RIF 2022 Updates and Progress Reports as reference for development and budget planning and for identifying financing with development partners.

<sup>1</sup> ADB. 2012. *The Greater Mekong Subregion Economic Cooperation Program Strategic Framework (2012–2022)*. Manila. <https://www.adb.org/documents/greater-mekong-subregion-economic-cooperation-program-strategic-framework-2012-2022>.

<sup>2</sup> ADB. 2018. *The Ha Noi Action Plan 2018–2022*. <https://greatermekong.org/ha-noi-action-plan-2018-2022>.

## **2 REGIONAL INVESTMENT FRAMEWORK 2022: First Progress Report and Update**

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This RIF 2022 First Progress Report and Update represents updates to the RIF 2022 during the 2018 cycle (from February to November 2018). The RIF 2022 First Progress Report and Update includes a revision of the RIF 2022 to a new total of 242 investment and technical assistance projects requiring a total of \$80.7 billion in financing. Approximately

\$53 billion of the financing needs have identified funding sources, and about \$28 billion of the financing sources are still to be identified. A summary of the changes in the RIF 2022 are outlined in Section III, and Summary Tables of proposed projects for addition and deletion are in Appendixes 2 and 3. The summary of the new RIF 2022 list of projects is in as Appendix 4.

# Regional Investment Framework 2022

## Updating and Progress Reporting

The Greater Mekong Subregion (GMS) Secretariat initiated the Regional Investment Framework 2022 (RIF 2022) 2018 reporting cycle in May 2018 with briefings for the GMS National Coordinators and Asian Development Bank (ADB) sector divisions in advance of the sector working groups that would take place from June to August 2018. The GMS Secretariat circulated a Guide and Format: Progress Report on Projects in RIF 2022 and Additional Projects for Inclusion in RIF 2022, which provided overall guidance, templates, and criteria for proposing new projects.

In addition to project status updates, the reporting format for the project descriptions added three new areas (i) Key Locations and GMS Economic Corridor Alignment; (ii) Expected/Planned Measurable Outputs; and (iii) Project Contact. These were added to strengthen the RIF 2022 as a tool for spatial and development planning along the GMS economic corridors and to assist with measuring GMS program overall outputs. Project contact details were added to clearly identify project proponents and facilitate matching project proponents with interested parties such as development partners interested in funding

the project. In the absence of a specific project proponent, the RIF 2022 includes GMS focal points as contact persons. Since these three fields have only been introduced for this RIF 2022 First Progress Report, it is expected that project data, specific details, and the ability to aggregate the RIF 2022 project outputs will improve in the future. As the RIF 2022 projects are mapped on the GMS Projects online geo-database,<sup>3</sup> there will also be greater opportunities to identify spatial synergies and area planning.

The RIF 2022 is a living document, with projects being dropped or added to it through the annual reporting cycle. Thus, the progress reports also provided the opportunity for deletion of projects as well as submission of new project proposals, provided that new project proposals were in line with the operational priorities of the GMS Strategic Framework 2012–2022 and the Ha Noi Action Plan 2018–2022. New project proposals were required to provide the rationale for how the projects aligned with the GMS operational priorities in the Ha Noi Action Plan or relevant sector priorities in the respective sector strategy or action plan.<sup>4</sup> Projects proposed for consideration also required the mutual endorsement of the countries involved.

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<sup>3</sup> <https://www.greatermekong.org/projects>.

<sup>4</sup> [https://www.greatermekong.org/sites/default/files/Guide\\_GMS\\_RIF\\_Progress\\_Reports.zip](https://www.greatermekong.org/sites/default/files/Guide_GMS_RIF_Progress_Reports.zip).



# Regional Investment Framework 2022 Update 2018

At the conclusion of the reporting cycle, the updated Regional Investment Framework 2022 (RIF 2022, 2018) is now comprised of 242 projects requiring \$80.7 billion in financing. This includes the proposed addition of 8 new investment projects and 11 new technical assistance projects

(Appendix 2). The update also proposes dropping four investment projects (Appendix 3). The RIF 2022 is also further refined to include revised cost estimates for 50 projects. The new RIF 2022 composition is in Table 1.

**Table 1: Updated Regional Investment Framework 2022, Summary by Sector**

Sector	Number of Projects			Cost Estimate (\$ million)		
	Investment	TA	Total	Investment	TA	Total
Transport	85	14	99	70,246.5	10.3	70,256.8
Energy	11	8	19	2,327.7	14.5	2,342.2
Agriculture	10	10	19	1,745.2	80.3	1,825.5
Environment	6	6	7	653.0	15.8	668.8
Health and Other HRD	4	7	11	733.4	22.6	756.0
Urban Development	7	6	13	1,121.2	9.7	1,130.9
Others/BEZ	7	9	12	2,084.9	18.0	2,102.9
Tourism	12	18	29	1,435.2	79.9	1,515.1
TTF	3	9	12	55.3	20.2	75.5
ICT	2	8	8	23.0	4.3	27.3
<b>Total</b>	<b>147</b>	<b>95</b>	<b>242</b>	<b>80,425.4</b>	<b>275.6</b>	<b>80,701.0</b>

Source: GMS Secretariat.

Transport remains the dominant sector, with a total of 99 projects out of the total 242 in the RIF 2022, but there are also new project proposals in the environment, other multisector and border economic zones, and information and communication technology (ICT) sectors. In the transport sector, there are newly listed funding commitments especially in the railway subsector (Dali– Ruili Railway and Yuxi–Mohan Railway in the People’s Republic of China;

Vientiane–Thakhek–Mu Gia Railway Project in the Lao People’s Democratic Republic; and the Den Chai, Chiang Rai, and Chiang Khong rail line and national railway improvement project to double track 2,476 kilometers of rail lines in Thailand). Thailand’s Laem Chabang Port Development, for \$3 billion in funding through public–private partnership, is also a notable addition to the RIF 2022. Four projects, outlined in Appendix 3, were requested to be dropped as these

were no longer priority investments in the respective portfolios, or the scopes had been absorbed by other projects.

Another continued feature of the RIF 2022 are the cross sectoral linkages. In the ICT sector, a project with implications for agriculture and trade facilitation has been proposed. The tourism sector continues to have a strong linkage with transport connectivity. The Transboundary Animal Disease Control Zone Project

has implications in the agriculture and livestock sector as well as the health and zoonosis sector. Line ministries and sector officers should continue to identify synergies between sectors.

During the RIF 2022 period thus far, 12 projects have reached completion, while 83 are ongoing, and 147 are still proposed and not yet initiated. In the coming years, the overall status of implementation of RIF 2022 will continue to be tracked and reported.

# Funding the Regional Investment Framework 2022

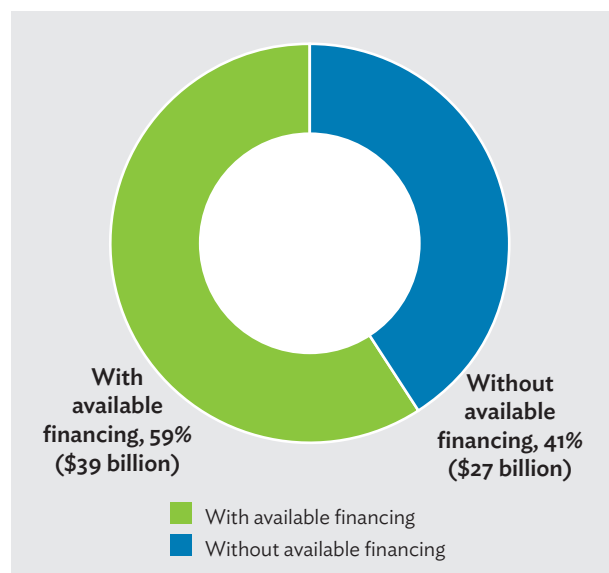
In spite of the significant increase of overall Regional Investment Framework 2022 (RIF 2022) investment needs, many of the projects with refined cost estimates also had available financing. In the original RIF 2022, there was \$39 billion available financing which is 59% of total financing requirement, leaving a financing gap of \$27 billion. With refined costs and additional inputs, the Updated RIF 2022 (2018), the funding available increased to \$53 billion or 66% percent of total required financing, and a financing gap of \$28 billion or 34% of total project cost estimates.

Of the available financing, there is a significant jump in funding from the budgets of Greater Mekong Subregion (GMS) governments, with the share of GMS governments increasing from \$26 billion to

\$36.9 billion of the identified funding. There was also a notable increase in planned private sector financing from \$2.5 billion to \$7.2 billion.

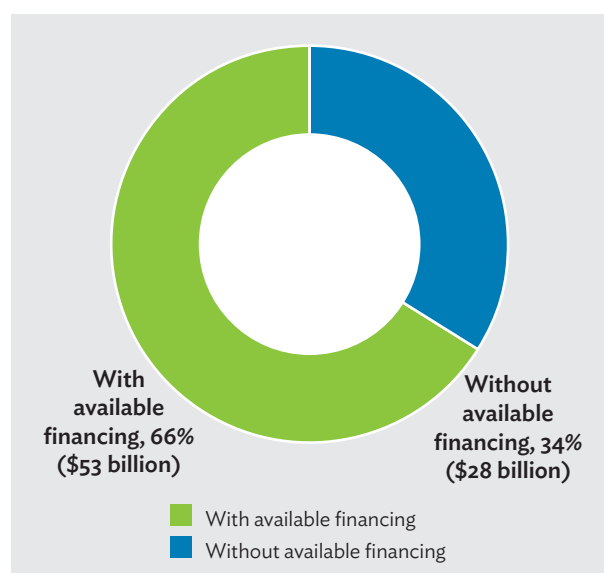
There is, however, still a \$28 billion shortage in funding for the proposed projects in the RIF 2022. The transport sector represents over \$23 billion of the funding shortfall; in addition, there are significant funding shortfalls in the energy, agriculture, tourism, and other multisector and border economic zones (Table 2). These sectors present opportunities to tap more into private sector and public-private partnership financing, which could be catalyzed by development finance. Environment sector and agriculture sector projects could also be candidates for green finance and other climate-related funds. Other development partners currently represent only 5% of the identified

**Figure 1: Original Regional Investment Framework 2022, Percentage of Cost Estimates by Financing Status**



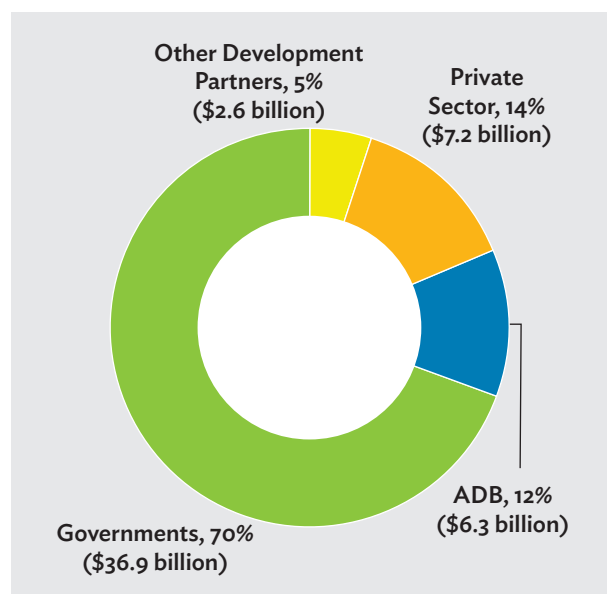
Source: GMS Secretariat.

**Figure 2: Updated Regional Investment Framework 2022, Percentage of Cost Estimates by Financing Status**



Source: GMS Secretariat.

**Figure 3: Updated Regional Investment Framework 2022 Breakdown of Funding Sources for Projects with Financing**



Source: GMS Secretariat.

financing and could also be considered to mobilize funds for the regional projects in energy, agriculture, environment, tourism, and other multisector and border economic zones. Aside from directly funding projects in the RIF 2022, development partners and private sector organizations may also see opportunity for developing projects that have synergies and are complimentary to the RIF 2022. As noted in the original RIF 2022, the projects in the pipeline should continue to be disseminated widely and referred to as a development programming and marketing tool to galvanize new funding for the region's priority projects. This can be done through annual programming and budget cycles, institutional working group meetings, and annual high-level meetings, such as the GMS Ministerial Conference. In the 2019 update of the RIF 2022, it is expected that new projects will be ongoing, and that new projects will have identified funding. The GMS program officials can also review projects in the RIF 2022 to ensure that projects that are no longer relevant are dropped from the list.

**Table 2: Updated RIF 2022, Financing Status Breakdown by Sector**

Sector	With financing		Without Financing		Total	
	Number of Projects	Cost Estimate (\$ million)	Number of Projects	Cost Estimate (\$ million)	Number of Projects	Cost Estimate (\$ million)
Transport	50	46,907.4	49	23,349.5	99	70,256.9
Energy	10	1,280.2	9	1,062.0	19	2,342.2
Agriculture	11	971.7	9	853.8	20	1,825.5
Environment	3	121.0	9	547.8	12	668.8
Health and Other HRD	10	755.7	1	0.3	11	756.0
Urban Development	12	955.6	1	175.3	13	1,130.9
Other Multisector/ BEZs	7	1,406.7	9	696.2	16	2,102.9
Tourism	14	519.1	16	996.0	30	1,515.1
Transport and Trade Facilitation	6	46.5	6	29.0	12	75.5
ICT	1	2.1	9	25.2	10	27.3
<b>Total</b>	<b>124</b>	<b>52,966.0</b>	<b>118</b>	<b>27,735.1</b>	<b>242</b>	<b>80,701.1</b>

Source: GMS Secretariat.

# Appendices

## Appendix 1: Regional Investment Framework 2022 Business Process for Progress Updates and Adding or Dropping of Projects

<b>Q1</b>	<p>The Asian Development Bank (ADB) Greater Mekong Subregion (GMS) secretariat initiates report preparation by advising ADB sector divisions and GMS national coordinators to communicate with country sector agency focal points.</p> <p>The Regional Investment Framework (RIF) publication is disseminated for use and reference during the budget and development programming cycle.</p>	<ul style="list-style-type: none"><li>• RIF progress report is revised to become the annual report.</li><li>• GMS national coordinators play a key role in collaborating with line ministries and in project investment pipelines.</li><li>• RIF 2022 report discussions are to better align with GMS working groups and forums.</li></ul>
<b>Q2-Q3</b>	<p>ADB's sector divisions interact with country sector agency focal points through GMS working groups and forums to</p> <ul style="list-style-type: none"><li>• receive and compile the completed and agreed sector reports, and</li><li>• submit the sector reports to the ADB GMS secretariat for collation.</li></ul> <p>GMS national coordinators collaborate with line ministries for progress and proposed projects.</p>	<ul style="list-style-type: none"><li>• Final RIF 2022 reports are to be disseminated as reference for development and budget planning cycles.</li></ul>
<b>Q3</b>	<p>The ADB GMS secretariat</p> <ul style="list-style-type: none"><li>• assembles reports for each country and sector into the consolidated Revised Regional Investment Framework status report;</li><li>• distributes the status report to the countries' GMS national coordinators, sector agencies, and ADB's sector divisions;</li><li>• distributes the status report to interested development partners;</li><li>• uploads the status report to the ADB GMS website; and</li><li>• includes the status report in the documentation for a subsequent GMS event—senior officials meeting, ministerial meeting, or summit.</li></ul>	
<b>Annual GMS Ministerial, Q3 or Q4</b>		

Source: GMS Secretariat.

## Appendix 2: Summary List of Added Projects

	Project Title	Country Coverage	Sector/ Type (Investment or Technical Assistance)	Year of Approval	Cost Estimate (\$ million)	Potential Funding Source and Amount (\$ million)	Status
a.	Siem Reap to Rattanakiri National Roads Upgrading Project (SRNRUP)	Cambodia	Transport/ Investment	TBD	450.0	DPs	Proposed
b.	Technical Assistance to Complete the Draft Framework Agreement for Cross-Border Railway Transport Connectivity in the GMS	All GMS countries	Transport/ Technical Assistance	2020	TBD	TBD	Proposed
c.	Road Safety for Highway Development in the Greater Mekong Subregion East–West Economic Corridor	Myanmar	Transport/ Technical Assistance	2018	1.1	ADB (Trust Fund for Road Safety for Highway Development in GMS EWEC)—1.0 Government of Myanmar—0.06 (non-cash)	Proposed
d.	Agricultural Value Chain Infrastructure Improvement Project	Cambodia	Agriculture/ Investment	2020	76.0	ADB—70.0 Government of Cambodia—6.0	Proposed
e.	Climate Proofing of Rural Infrastructure and Risk Financing	Cambodia, Lao PDR, Myanmar, Viet Nam	Environment/ Investment	TBD	TBD	TBD	Proposed
f.	Programmatic Support to Strengthen Environmental Management	All GMS countries	Environment/ Investment	TBD	TBD	TBD	Proposed
g.	Greater Mekong Subregion Biodiversity Conservation Corridors Project	Cambodia, Lao PDR, Viet Nam	Environment/ Investment	2010	93.0	ADB—69.0 Strategic Climate Fund—20.24 GEF—3.79	Ongoing
h.	Integration of Climate Change Mitigation and Adaptation Measures in Management of Transboundary Central Annamites Landscape	Viet Nam	Environment/ Technical Assistance	2018	1.3	TBD	Proposed

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## 10 Appendices

	<b>Project Title</b>	<b>Country Coverage</b>	<b>Sector/ Type (Investment or Technical Assistance)</b>	<b>Year of Approval</b>	<b>Cost Estimate (\$ million)</b>	<b>Potential Funding Source and Amount (\$ million)</b>	<b>Status</b>
i.	Proposing Models on Rational Utilization of Natural Capital in Biodiversity Corridors in Greater Mekong Subregion	Viet Nam	Environment/ Technical Assistance	2019	1.3	Grants	Proposed
j.	GMS Universal Health Care (UHC)	Lao PDR, Myanmar, (Thailand, TBD)	Health and Other HRD/ Investment	2021	50.0	ADB—50.0	Proposed
k.	Border Trade Zone in Muse, Kampitee, and Shinshwehaw	Myanmar, PRC	Other Multisector/ Investment	TBD	TBD	TBD	Proposed
l.	Strengthening the Coordination of the GMS Program	All GMS countries	Other Multisector/ Technical Assistance	2010	6.0	ADB—6.0	Completed
m.	Sustaining the Gains of Regional Cooperation in the Greater Mekong Subregion	All GMS Countries	Other Multisector/ Technical Assistance	2017	2.0	ADB—2.0	Ongoing
n.	Training and Technical Assistance for Implementing Cross-Border Economic Zone frame work plan between Lao PDR and the PRC	Lao PDR, PRC	Other Multisector/ Technical Assistance	2018	2.0	TBD	Proposed
o.	Small-Scale Knowledge and Support Technical Assistance for 2018 Mekong Innovative Startup Tourism (MIST) Accelerator Program	All GMS Countries	Tourism/ Technical Assistance	2018	0.2	Government of Australia—0.225	Ongoing
p.	Promote Lao PDR Products with Digital Technology System	Lao PDR	Agriculture, Trade Facilitation, and ICT/ Technical Assistance	2020	1.0	ADB, IFAD, FAO	Proposed
q.	Science and Technology Strategy for Enhancing Organic Food Industry	Lao PDR	ICT/ Technical Assistance	2020	0.4	ADB	Proposed
r.	Feasibility Study on Establishing a Science and Technology Park	Lao PDR	ICT/ Technical Assistance	2020	0.4	ADB	Proposed

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	Project Title	Country Coverage	Sector/ Type (Investment or Technical Assistance)	Year of Approval	Cost Estimate (\$ million)	Potential Funding Source and Amount (\$ million)	Status
s.	Enhancing Capacity of Sanitary and Phytosanitary (SPS) Arrangement to Facilitate Trade in Myanmar	Myanmar	Transport and Trade Facilitation/ Investment	2020	25.0	ADB—24.0 Government of Myanmar—1.0 (in kind, TBC) Cofinancing—TBC	Proposed
				<b>Number of projects</b>	<b>Cost Estimate (\$ million)</b>		
<b>Subtotal Investment Projects for inclusion in RIF 2022</b>				<b>8</b>	<b>694.0</b>		
<b>Subtotal Technical Assistance for inclusion in RIF 2022</b>				<b>11</b>	<b>16.0</b>		
<b>Total Additional Projects</b>				<b>19</b>	<b>710.0</b>		

ADB = Asian Development Bank, DP = Development Partner, EWEC = East–West Economic Corridor, FAO = Food and Agriculture Organization of the United Nations, GEF = Global Environment Facility, GMS = Greater Mekong Subregion, ICT = information and communication technology, IFAD = International Fund for Agricultural Development, Lao PDR = Lao People’s Democratic Republic, PRC = People’s Republic of China, RIF = Regional Investment Framework, TBC = to be confirmed, TBD = to be determined.

Note: A more detailed list of projects, Annex to the RIF 2022: First Progress Report and Update, is available to download at <https://www.greatermekong.org/gms-regional-investment-framework-2022>.

Source: GMS Secretariat.

### Appendix 3: Summary List of Dropped Projects

	Project Title	Country Coverage	Sector/ Type (Investment or Technical Assistance)	Year of Approval	Cost Estimate (\$ million)	Potential Funding Source and Amount (\$ million)
a.	Nam Phao Border–Crossing Point (NR8)	Lao PDR	Transport/ Investment	2019	8.0	Seeking financing
b.	GMS Health Security (additional financing)	Cambodia, Lao PDR, Myanmar, Viet Nam	Health and Other HRD/ Investment	2021	100.0	ADB—100.0
c.	ASEAN Economic Community Support Program	Cambodia, Lao PDR	Transport and Trade Facilitation/ Investment	2019	61.0	ADB—60.0 Government of the Lao PDR—1.0
d.	Time-Division Long-Term Evolution Demonstration Network in the Lao PDR	Lao PDR	ICT/ Investment	TBD	5.0	TBD
<b>Total projects to be dropped from RIF 2022</b>					<b>174.0</b>	

ADB = Asian Development Bank, ASEAN = Association of Southeast Asian Nations, GMS = Greater Mekong Subregion, HRD = human resource development, ICT = information and communication technology, Lao PDR = Lao People’s Democratic Republic, TBD = to be determined.

Source: GMS Secretariat.



## Appendix 4: Summary List of Projects

### Transport

No.	Project Title	Country Coverage	Year of Approval	Cost Estimate (\$ million)	Potential Funding Source and Amount (\$ million)	Status
<b>INVESTMENT PROJECTS</b>						
<b>Cambodia</b>						
<b>Projects in RIF 2022</b>						
1	Sihanoukville Port Access Road Improvements	Cambodia	2017	5.0	Government of Cambodia (National Budget)—5.0	Completed
2	Road Network Improvement Project (formerly GMS: Deepening Connectivity of Southern Economic Corridor Project)	Cambodia	2017	76.9	ADB—70.00 Government of Cambodia—6.94	Ongoing
3	Phnom Penh–Sihanoukville Expressway Project (formerly Phnom Penh–Sihanoukville Highway Corridor Improvements)	Cambodia	2016	1,900.0	PRC Private sector—1,900.00	Ongoing
4	Link Road between NR5 and NR6 near Kampong Tralach, North of Phnom Penh	Cambodia	2019	60.0	TBD	Proposed
5	Railway Access to the New Phnom Penh Port (53 km)	Cambodia	TBD	200.0	TBD	Proposed
6	Southern Siem Reap Bypass Road (42.64 km)	Cambodia	TBD	128.0	DP—120.0 Government of Cambodia—8.0	Proposed
7	Establishment of Bus/Truck Driving Test Center	Cambodia	TBD	5.0	Private Sector (SCG Thailand)/Government of Cambodia—5.0	Completed
8	Construction of Logistics Complex at Stung Bot (Poipet, Cambodia–Thailand border)	Cambodia	TBD	50.0	TBD	Proposed
9	Construction of Logistics Complex at Bavet (Bavet, Cambodia–Viet Nam Border)	Cambodia	TBD	50.0	TBD	Proposed
10	Strengthening Overload Control System	Cambodia	TBD	5.0	TBD	Proposed
11	Cambodia: Poipet–Border Bridge/Aranyaprathet (6.5 km)	Cambodia	2017	6.5	Government of Cambodia—6.5	Completed

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No.	Project Title	Country Coverage	Year of Approval	Cost Estimate (\$ million)	Potential Funding Source and Amount (\$ million)	Status
<b>Investment Project Proposed to be Added in RIF 2022</b>						
12	Siem Reap to Rattanakiri National Roads Upgrading Project	Cambodia	TBD	450.0	DPs	Proposed
<b>Subtotal (Transport Investment Projects: Cambodia)</b>				<b>2,936.4</b>		
<b>People's Republic of China</b>						
<b>Projects in RIF 2022</b>						
13	Rehabilitation of the Ning'er–Jiangcheng–Longfu Road (Part of Yunnan Pu'er Regional Integrated Road Network Development Project)	PRC	2014	589.5	ADB—200.0 Government of the PRC—389.53	Ongoing
14	Dali–Ruili Railway	PRC	2006	4,008.0	Government of the PRC—4,008.0	Ongoing
15	Further Maintenance and Improvement of the Upper Mekong River Navigation Channel from the PRC (at Landmark 243) and Myanmar to Luang Prabang, in the Lao PDR	PRC	2016	338.0	Government of the PRC—14.2 Balance (TBD)—323.8	Ongoing
16	Yuxi–Mohan Railway	PRC	2014	8,062.5	Government of the PRC—7,912.5 ADB—150.0	Ongoing
17	Jinghong–Daluo Expressway	PRC	2016	2,388.0	Government of PRC	Proposed
	Viet Nam: Lao Cai–Hekou (154 km) PRC: Hekou–Lao Cai (249 km)	PRC	TBD	Cost estimate listed under Viet Nam to avoid double counting	ADB	Proposed
<b>Subtotal (Transport Investment Projects: PRC)</b>				<b>15,386.0</b>		
<b>Lao People's Democratic Republic</b>						
<b>Projects in RIF 2022</b>						
18	Vang Tao Border–Crossing Point	Lao PDR	2013	15.0	Government of the Lao PDR—15.0	Ongoing
19	NR13 Improvement and Maintenance Project (Vientiane to Phon Hong) NR 13 North, AH 12 and NR 13 South, AH 11	Lao PDR	2018	129.5	World Bank (International Development Association credit)—40.0 Nordic Development Fund (NDF)—9.5 Asian Infrastructure Investment Bank (AIIB)—40.0 Government of the Lao PDR—40.0	Ongoing

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No.	Project Title	Country Coverage	Year of Approval	Cost Estimate (\$ million)	Potential Funding Source and Amount (\$ million)	Status
	Mekong Bridge at Bungkan–Paksan (with Thailand)	Lao PDR, Thailand	2018	Cost estimate listed under Thailand to avoid double counting	TBD	Proposed
20	Thanaleng Border-Crossing Infrastructure Improvement Project	Lao PDR	2018	25.0	Seeking financing	Proposed
21	Hongsa (Xayaboury)– Chomphet (Luang Prabang) Construction (114 km)	Lao PDR	2015	90.0	NEDA Thailand—90.0	Ongoing
22	Upgrading of NR8 East–West Transport Route; ASEAN Highway AH15 (Ban Lao–Nam Phao)	Lao PDR	2018	80.0	The Korea International Cooperation Agency (KOICA) is supporting the feasibility study	Proposed
23	Xiengkong River Port	Lao PDR	2018	15.0	Government of the PRC	Proposed
24	Ban Mom River Port	Lao PDR	2017	12.0	Private sector/ Government of the Lao PDR—12.0	Ongoing
25	Lalay Border-Crossing Point (NR15)	Lao PDR	2018	10.0	Seeking financing	Proposed
26	Na Phao Border-Crossing Point (NR12)	Lao PDR	2018	TBD	Seeking Financing	Proposed
27	Luang Namtha–Xiengkong–Lao PDR–Myanmar Friendship Bridge (NR17)	Lao PDR	2018	150.0	Seeking Financing	Proposed
28	Vientiane–Boten Railway Project (427.2 km)	Lao PDR	2016	5,800.0	Government of the PRC—5,800.0	Ongoing
29	Luang Prabang–Phonexay District–Vientong District (NR4B)	Lao PDR	TBD	148.0	TBD	Proposed
30	Luang Prabang–Dien Bien Phu (107 km - section Phu Thit Pheung –Na Sone/Lao PDR–Viet Nam Border)	Lao PDR	2018	90.0	Government of Viet Nam	Proposed
31	Phiafay–Attapeu: NR18A (106 km) (Parts of AH 132) East–West Transport Route	Lao PDR	2013	130.0	Seeking Financing	Proposed
32	Vientiane–Thakhek–Mu Gia Railway Project (450 km) Mu Gia–Vung Ang (119 km)	Lao PDR, Viet Nam	2018	6,025.0	for possible PPP	Proposed
33	Thanalaeng–Nong Khai Railway Extension Project (7 km)	Lao PDR	2016	28.5	NEDA Thailand—28.5	Ongoing
34	Savannakhet–Lao Bao Railway Project (220 km)	Lao PDR	2018	4,200.0	Seeking Financing for FS	Proposed
35	Mekong Bridge at Luang Prabang	Lao PDR	2018	TBD after an FS	NEDA Thailand	Proposed

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No.	Project Title	Country Coverage	Year of Approval	Cost Estimate (\$ million)	Potential Funding Source and Amount (\$ million)	Status
36	Selamphao Bridge, at the end of NR14A between the Lao PDR and Cambodia	Lao PDR	2018	30.0	Joint 50:50 investment by the Governments of Cambodia and the Lao PDR	Proposed
37	Mekong Bridge for Thanalaeng–Nong Khai Railway Project	Lao PDR	2018	TBD	Government of the PRC (Under the Sino–Lao Cooperation Scheme)	Proposed
38	Dak Chung Border–Crossing Point (NR16)	Lao PDR	2018	10.0	Seeking Financing	Proposed
39	Houei Sai River Port	Lao PDR	2018	13.0	Seeking Financing	Proposed
40	Pakbeng River Port (Oudomxay Province)	Lao PDR	2018	13.0	Government of the PRC	Proposed
41	Khokchong River Port (same as Luang Prabang River Port)	Lao PDR	2018	15.0	Government of the PRC	Proposed
42	Vientiane–Ha Noi Expressway Project (Portion from Vientiane to Nam On: 335 km)	Lao PDR	TBD	3,500.0	JICA	Proposed
43	Upgrading 13S (Portion from Savannakhet Province to Bolikhamxay: 253 km)	Lao PDR	TBD	TBD	Seeking financing	Proposed
44	Navigation Channel Improvements: Lower Mekong from Luang Prabang to Savannakhet (Mekong River Commission)	Lao PDR	2019	12.2	TBD	Proposed
45	Port Construction and Improvement from Vientiane to Savannakhet (Vientiane Port, Paksan Port, Thakek Port, and Savannakhet Port)	Lao PDR	2020	19.4	TBD	Proposed
<b>Subtotal (Transport Investment Projects: Lao PDR)</b>				<b>20,560.6</b>		
<b>Myanmar</b>						
<b>Projects in RIF 2022</b>						
46	East–West Economic Corridor Eindu–Kawkareik Road Improvement Project	Myanmar	2016	121.8	ADB—100.0 ASEAN Infrastructure Fund—20.0 Government of Myanmar—1.8	Ongoing
	Mae Sot–Myawady Border Crossing Project and Infrastructure Improvements (with Thailand)	Myanmar, Thailand	2015	Cost estimate listed under Thailand to avoid double counting	Government of Thailand	Ongoing
47	Improvement of Six Inland Ports	Myanmar	2018	159.5	JICA—54.5 Private sector	Proposed

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No.	Project Title	Country Coverage	Year of Approval	Cost Estimate (\$ million)	Potential Funding Source and Amount (\$ million)	Status
48	Loilem–Kyaington Road Section (359 km) (GMS Road Section of R7 and Secondary Road of Corridor)	Myanmar	2018	359.0	TBD	Proposed
49	Thaton–Payagyi Road Improvement Project	Myanmar	2018	128.0	Private Sector (BOT System)—128.0	Ongoing
50	Ruili (PRC)–Kyaukpyu (Myanmar) Highway	Myanmar, PRC	2018	1,000.0	Private Sector (China Hobour Engineering Co. Ltd [CHEC])	Proposed
51	Daluo (PRC)–Tachilek (Myanmar) Highway	Myanmar, PRC	2018	93.0	Public Private Partnership (BOT System) Government of Myanmar—46.5 Private Sector—46.5	Ongoing
52	Bridge on the Kyaington–Lyainglin–Taunggyi Road (AH2)	Myanmar	2018	15.8	Government of Myanmar—15.8	Ongoing
53	GMS EWEC Corridor Improvement I and II	Myanmar	2017	550.22	JICA—550.22	Ongoing
54	Bago–Kyaikto Road	Myanmar	2020	164.3	ADB—164.3	Proposed
55	Upgrading of Wan Pong Port with 500-ton Container- Handling Facilities	Myanmar	2018	50.0	Joint Committee on Coordination of Commercial Navigation	Proposed
56	Upgrading of Mawlamyine –Dawei–Htee khee Rail Link (452.58 km)	Myanmar	2020	TBD	ADB NEDA Thailand	Proposed
57	Border Control Facilities at Border Crossing Points: Tachilek and Muse	Myanmar	2018	TBD	ADB, PRC, NEDA Thailand	Proposed
58	GMS Highway Modernization Project	Myanmar	2018	202.1	ADB—200.0 Government of Myanmar—2.1	Ongoing
<b>Subtotal (Transport Investment Projects: Myanmar)</b>				<b>2,843.7</b>		
<b>Thailand</b>						
<b>Projects in RIF 2022</b>						
59	Bang Yai–Kanchanaburi Intercity Motorway Project (part of Laem Chabang– Bangkok–Dawei [Myanmar] Corridor)	Thailand	2015	1,600.0	Government of Thailand—1,600.0	Ongoing
60	Tak–Mae Sot Highway Improvement Project	Thailand	2008	100.0	Government of Thailand—100.0	Ongoing
61	Lomsak–Phetchabun Highway Improvement Project	Thailand	2016	220.0	Government of Thailand—220.0	Ongoing
62	Kalasin–Nakrai–Kamcha I Highway Improvement Project	Thailand	2016	170.0	Government of Thailand—170.0	Ongoing

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No.	Project Title	Country Coverage	Year of Approval	Cost Estimate (\$ million)	Potential Funding Source and Amount (\$ million)	Status
63	Chiang Rai–Chiang Khong Highway Improvement Project	Thailand	2015	90.0	Government of Thailand—90.0	Ongoing
64	Mae Sot–Myawaddy Border Crossing Project and Infrastructure Improvements	Thailand, Myanmar	2015	130.0	Government of Thailand—130.0	Ongoing
65	(Thailand Part)	Thailand, Lao PDR	TBD	80.0	TBD	Proposed
66	Laem Chabang Port Development Project, Phase 3	Thailand	2018	3,000.0	PPP (Public Private Partnerships) Private Sector—3,000.0	Ongoing
67	Single Rail Transfer Operator Development Project of Laem Chabang Port	Thailand	2018	90.0	Government of Thailand (PAT)—90.0	Ongoing
68	Aranyaprathet–Poipet New Road with Border-Crossing Facilities	Thailand	2015	30.0	Government of Thailand—30.0	Ongoing
69	The Construction of a New Railway Line from Den Chai to Chiang Rai and Chiang Khong	Thailand	2018	2,278.8	Government of Thailand—2,278.8	Proposed
70	Construction of a New Railway Line from Baan Pai (KhonKaen) to Mahasarakham, Roi Et, Mukdahan, and Nakhon Phanom	Thailand	2018	1,708.9	Government of Thailand—1,708.9	Proposed
71	Coastal Terminal Development Project of Laem Chabang Port	Thailand	2018	58.5	Government of Thailand (PAT)—58.5	Completed
72	GMS Highway Expansion Phase 2 Project	Thailand	2017	213.6	ADB—99.4 Government of Thailand—114.2	Ongoing
73	National Railway Improvement	Thailand	2018	12,192.3	Government of Thailand—12,192.3	Ongoing
<b>Subtotal (Transport Investment Projects: Thailand)</b>				<b>21,962.1</b>		
<b>Viet Nam</b>						
<b>Projects in RIF 2022</b>						
74	GMS Ben Luc–Long Thanh Expressway (Stage 2)	Viet Nam	2014	1,607.0	ADB—635.7 JICA—634.8 Government of Viet Nam—336.9	Ongoing
75	GMS Ha Noi–Lang Son Expressway Project (Huu Nghi–Chi Lang Section)	Viet Nam	2016	1,400.0	Private Investors—1,400.0	Ongoing
76	Second GMS Southern Coastal Corridor (also known as SSCP2)	Viet Nam	TBD	326.2	ADB—326.2	Proposed
77	Second Northern GMS Transport Network Improvement (Luang Prabang–Thanh Hoa)	Viet Nam	2015		ADB—71.13; Government of Viet Nam—6.7	Ongoing

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No.	Project Title	Country Coverage	Year of Approval	Cost Estimate (\$ million)	Potential Funding Source and Amount (\$ million)	Status
78	GMS Corridor Connectivity Enhancement Project	Viet Nam	2018	180.0	ADB—120.0 Government of Viet Nam—60.0	Proposed
79	Central Region Connectivity Enhancement Project (NR14D Improvement Project)	Viet Nam	2019	137.0	ADB—116.32 Government of Viet Nam—20.65	Proposed
80	Central Mekong Delta Connectivity	Viet Nam	2013	860.0	ADB—410.0 Government of Australia—134.0 Korea Export-Import Bank—260.0 Government of Viet Nam—56.0	Ongoing
81	GMS Kunming–Haiphong Transport Corridor—Noi Bai–Lao Cai Highway (additional financing)	Viet Nam	2014	182.0	ADB—147.0 Government of Viet Nam—35.0	Ongoing
82	GMS Road Corridors Maintenance	Viet Nam	2018	120.0	TBD	Proposed
83	Ho Chi Minh City–Loc Ninh (Cambodia Border) Railway	Viet Nam	2020	900.0	TBD	Proposed
84	Ben Luc–Long Thanh Expressway (Ring Road 0.3 Ho Chi Minh City)	Viet Nam	2019	733.7	ADB—342.0 Cofinancing (TBD)—361.7 Government of Viet Nam—30.0	Proposed
85	Viet Nam: Lao Cai–Hekou (4.7km) PRC: Hekou–Lao Cai (03km)	Viet Nam, PRC	TBD	33.6	ADB	Proposed
	Vientiane–Thakhek–Mu Gia Railway Project (450 km) Mu Gia–Vung Ang (F/S completion expected in 2017) 119 km	Viet Nam, Lao PDR	2018		TBD	Proposed
<b>Subtotal (Transport Investment Projects: Viet Nam)</b>				<b>6,557.3</b>		
<b>Total (Transport Investment Projects)</b>				<b>70,246.5</b>		

ADB = Asian Development Bank, AH = ASEAN Highway, ASEAN = Association of Southeast Asian Nations, DP = development partner, FS = Feasibility Study, GMS = Greater Mekong Subregion, km = kilometer, JICA = Japan International Cooperation Agency, Lao PDR = Lao People's Democratic Republic, NEDA = Neighbouring Countries Economic Development Cooperation Agency, NR = national road, PAT = Ports Authority, PRC = People's Republic of China, PPP = public private partnership, RIF = Regional Investment Framework, SCG = Siam Cement Group Public Company Limited, TBD = to be determined.

Note: A more detailed list of projects, Annex to the RIF 2022: First Progress Report and Update, is available to download at <https://www.greatermekong.org/gms-regional-investment-framework-2022>.

Source: GMS Secretariat.

No.	Project Title	Country Coverage	Year of Approval	Cost Estimate (\$ million)	Potential Funding Source and Amount (\$ million)	Status
<b>TECHNICAL ASSISTANCE PROJECTS</b>						
<b>Projects in RIF 2022</b>						
1	GMS Corridor Enhancement Project (formerly Project Preparatory Technical Assistance for National Highway 14D Improvement)	Viet Nam	2016	1.8	ADB—1.8	Completed
2	Proposed Hoa Lac–Hoa Binh City Expressway Public–Private Partnership Feasibility Study	Viet Nam	TBD	1.0	Private Sector—1.0	Completed
3	GMS Road Corridors Maintenance	All GMS Countries	TBD	TBD	Seeking financing	Proposed
4	Strategic Study on the Development and Management of the GMS Motorway Network System	All GMS countries	TBD	TBD	Seeking financing	Proposed
5	Knowledge Transfer between Thailand and the Other GMS Member Countries on Highway and Bridge Standards and Specifications, Including Transport Facilitation Facilities	All GMS countries	TBD	0.4	Seeking financing	Proposed
6	Study on Dry Port Development Plan along International Railway Lines Connecting Thailand with Cambodia, the Lao PDR, and Myanmar	Cambodia, Lao PDR, Myanmar, Thailand	2018	0.5	Government of Thailand—0.5	Ongoing
7	GMS Transport Database Capacity Development	All GMS countries	TBD	TBD	Seeking financing	Proposed
8	Feasibility Study on Upgrading of Mawlamyine–Dawei–Htikee Rail Link (452.58 km)	Myanmar	2018	TBD	TBD	Proposed
9	Transport Sector Reform and Modernization (additional financing)	Myanmar	2017	2.0	ADB—2.0	Ongoing
10	Various TA projects proposed by the Lao PDR Department of Waterways and Ministry of Public Works and Transport	All GMS countries	2018	TBD	PRC Republic of Korea	Proposed
11	Greater Mekong Subregion East–West Economic Corridor Highway Development Project (formerly GMS EWEC Road Corridor Improvement II)	Myanmar	2017	2.0	ADB—2.0	Ongoing
12	GMS Regional Transport Corridor Improvement I	Myanmar	2019	1.5	ADB—1.5	Proposed

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No.	Project Title	Country Coverage	Year of Approval	Cost Estimate (\$ million)	Potential Funding Source and Amount (\$ million)	Status
<b>Projects Proposed to be Included in RIF 2022</b>						
13	Technical Assistance to Complete the Draft Framework Agreement for Cross-Border Railway Transport Connectivity in the GMS	All GMS countries	2020	TBD	TBD	Proposed
14	Road Safety for Highway Development in the Greater Mekong Subregion East-West Economic Corridor	Myanmar	2018	1.1	ADB (Trust Fund for Road Safety for Highway Development in GMS EWEC)—1.0 Government of Myanmar (non-cash)—0.06	Proposed
<b>Subtotal (Transport TA Projects)</b>				<b>10.3</b>		
<b>Total (Transport Investment and TA Projects)</b>				<b>70,256.8</b>		

ADB = Asian Development Bank, EWEC = East-West Economic Corridor, GMS = Greater Mekong Subregion, km = kilometer, Lao PDR = Lao People's Democratic Republic, RIF = Regional Investment Framework, TA = technical assistance, TBD = to be determined.

Note: A more detailed list of projects, Annex to the RIF 2022: First Progress Report and Update, is available to download at <https://www.greatermekong.org/gms-regional-investment-framework-2022>.

Source: GMS Secretariat.

## Energy

No.	Project Title	Country Coverage	Year of Approval	Cost Estimate (\$ million)	Potential Funding Source and Amount (\$ million)	Status
<b>INVESTMENT PROJECTS</b>						
<b>Projects in RIF 2022</b>						
1	Lao PDR-Viet Nam Power Transmission Interconnection II	Lao PDR, Viet Nam	2019	120.0	World Bank—40.0 Cofinancing (TBD)—80.0	Proposed
2	Lao PDR-Thailand Nabong 500 kV Substation Transmission Facility	Lao PDR, Thailand	2014	106.0	Nam Ngum 2 Power Company—106.0	Ongoing
3	Continued Projects in Rural Electrification and Off-Grid Power Development in Northern Part of the Lao PDR	Lao PDR	2019	50.0	TBD	Proposed
4	Northern Cross-Border Power Trade and Distribution	Lao PDR	2020	135.0	ADB—80.0 Government of the Lao PDR—5.0 Indicative cofinancing: World Bank and AIIB—50.0	Proposed
5	500 kV Line from Mawlamyine to the Main Grid	Myanmar	2020	640.0	TBD	Proposed

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No.	Project Title	Country Coverage	Year of Approval	Cost Estimate (\$ million)	Potential Funding Source and Amount (\$ million)	Status
6	Demonstration of Second-Generation Biofuel Technologies and Associated Biomass Value Chains	All GMS countries	2019	80.0	TBD	Proposed
7	Extension of Energy Access in Myanmar from Nodes in Thailand and in the People's Republic of China	Myanmar	2019	70.0	TBD	Proposed
8	Transmission Interconnection Project from Lao PDR (Na Bong) to Thailand (Udon Thani 3)	Lao PDR, Thailand	2014	60.0	TBD—60.0	Ongoing
9	Transmission Interconnection Project from Lao PDR (Ban Lak25) to Thailand (Ubon Ratchathani 3)	Lao PDR, Thailand	2019	90.0	ADB—15.0 Cofinancing—75.0	Proposed
10	Transmission Interconnection Project from Lao PDR (Pak Beng or Pak Nguyen) to Thailand (Tha Wang Pha)	Lao PDR, Thailand	TBD	TBD	TBD	Proposed
11	Nam Ngiep 1 Hydropower Project	Lao PDR	2014	976.7	ADB—215.7 JBIC—197.0 Private Sector—564.0	Ongoing
<b>Subtotal (Energy Investment Projects)</b>				<b>2,327.7</b>		

ADB = Asian Development Bank, AIIB = Asian Infrastructure Investment Bank, GMS = Greater Mekong Subregion, JBIC = Japan Bank for International Cooperation, kV = kilovolt, Lao PDR = Lao People's Democratic Republic, RIF = Regional Investment Framework, TBD = to be determined.

Note: A more detailed list of projects, Annex to the RIF 2022: First Progress Report and Update, is available to download at <https://www.greatermekong.org/gms-regional-investment-framework-2022>.

Source: GMS Secretariat.

No.	Project Title	Country Coverage	Year of Approval	Cost Estimate (\$ million)	Potential Funding Source and Amount (\$ million)	Status
<b>TECHNICAL ASSISTANCE</b>						
<b>Projects in RIF 2022</b>						
1	Harmonizing GMS Power Systems to Facilitate Regional Power Trade (formerly Support to RPTCC in the Completion of Performance Standards, Grid Codes, Market Rules, and Subregional Transmission Expansion Plan)	All GMS countries	2014	3.5	ADB—2.5 PRC Trust Fund—0.5 Agence Française de Développement [AFD])—0.5	Ongoing
2	Ensuring Sustainability of Greater Mekong Subregion Regional Power Development (Phase 2)	All GMS countries	2016	1.0	AFD—1.0	Ongoing
3	Development of GMS Coordination Center for Regional Power Trade	All GMS countries	TBD	3.0	TBD	Proposed

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No.	Project Title	Country Coverage	Year of Approval	Cost Estimate (\$ million)	Potential Funding Source and Amount (\$ million)	Status
4	Scoping Study on the Future of the Trans-ASEAN Gas Pipeline (TAGP)	All GMS countries	TBD	1.0	TBD	Proposed
5	Development of Coherent Energy-Efficiency Action Plans Across the Subregion	All GMS countries	TBD	1.0	TBD	Proposed
6	GMS: Renewable Energy Development (Phase 2)	All GMS countries	TBD	2.0	TBD	Proposed
7	GMS Northern Cross-Border Power Trade and Distribution	Lao PDR	2018	1.0	ADB—1.0	Proposed
8	Regional Action Plans for Sustainable Power Sector Development and Climate Change Mitigation	All GMS countries	2018	2.0	ADB—2.0	Proposed
<b>Subtotal (Energy TA Projects)</b>				<b>14.5</b>		
<b>Total (Energy Investment and TA Projects)</b>				<b>2,342.2</b>		

ADB = Asian Development Bank, ASEAN = Association of Southeast Asian Nations, GMS = Greater Mekong Subregion, Lao PDR = Lao People's Democratic Republic, PRC = People's Republic of China, RIF = Regional Investment Framework RPTCC = Regional Power Trade Coordination Committee, TA = technical assistance, TBD = to be determined.

Note: A more detailed list of projects, Annex to the RIF 2022: First Progress Report and Update, is available to download at <https://www.greatermekong.org/gms-regional-investment-framework-2022>.

Source: GMS Secretariat

## Agriculture

No.	Project Title	Country Coverage	Year of Approval	Cost Estimate (\$ million)	Potential Funding Source and Amount (\$ million)	Status
<b>INVESTMENT PROJECTS</b>						
<b>Projects in RIF 2022</b>						
1	Greater Mekong Subregion Flood and Drought Risk Management and Mitigation Project	Lao PDR, Viet Nam	2013	101.5	ADB—81.5 Governments of the Lao PDR and Viet Nam—14.1 Cofinancing (Government of Australia)—5.9	Ongoing
2	GMS Flood and Drought Risk Management and Mitigation Project (additional financing)	Lao PDR	2020	67.0	ADB—42.0 Government of the Lao PDR— 5.0 Cofinancing—20.0	Proposed

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No.	Project Title	Country Coverage	Year of Approval	Cost Estimate (\$ million)	Potential Funding Source and Amount (\$ million)	Status
3	Climate Friendly Agribusiness Value Chains Sector Project	Cambodia, Lao PDR, Myanmar	2018	252.3	ADB—171.0 Cofinancing (Green Climate Fund or Global Agriculture Food Security Program-[GAFSP])—62.0 Governments of Cambodia, Lao PDR, and Myanmar—9.6 Beneficiaries—9.77	Ongoing
4	Agro-Industrial Zones (AIZs) to Support Promotion of Safe and Environment-Friendly Agro-Based Value Chains	Cambodia, Lao PDR, PRC, Myanmar, Viet Nam	2022	286.0	ADB Private sector Governments of the Lao PDR, the PRC, Myanmar, and Viet Nam via public-private partnerships (PPPs)	Proposed
5	Animal Disease Control Zone	Cambodia, Lao PDR, PRC, Myanmar	2021	150.0	ADB, Private sector, Central and provincial governments of Cambodia, Lao PDR, PRC, and Myanmar, Banks in the PRC	Proposed
6	Cluster and Value Chain Development for Geographical Indications related to SEAP	Cambodia, Lao PDR, PRC, Myanmar	2022	345.0	Agence Française de Développement (AFD), ADB, Food and Agriculture Organization of the United Nations (FAO), Private sector, Ministries of Agriculture and Commerce of Cambodia, the Lao PDR, the PRC, and Myanmar	Proposed
7	GMS East-West Economic Corridor Agriculture Infrastructure Sector Project (additional financing)	Lao PDR	2022	67.0	ADB—42.0 Cofinancing—20.0 Government of the Lao PDR—5.0	Proposed
8	Basic Infrastructure for Inclusive Growth in the Northeastern Provinces Sector Project (BIIG 1)	Viet Nam	2017	197.2	ADB—150.0 Government of Viet Nam—37.2 Cofinancing—10.0	Ongoing
9	Basic Infrastructure for Inclusive Growth in the North Central Provinces Sector Project (BIIG 2)	Viet Nam	2017	203.5	ADB—149.0 Government of Viet Nam—54.5	Ongoing
<b>Subtotal (Agriculture Investment Projects included in RIF 2022)</b>				<b>1,669.2</b>		

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No.	Project Title	Country Coverage	Year of Approval	Cost Estimate (\$ million)	Potential Funding Source and Amount (\$ million)	Status
<b>Projects Proposed for Inclusion in RIF 2022</b>						
10	Agricultural Value Chain Infrastructure Improvement Project	Cambodia	2020	76.0	ADB—70.0 Government of Cambodia—6.0	Proposed
<b>Subtotal (Agriculture Investment Projects proposed for inclusion in RIF 2022)</b>				<b>76.0</b>		
<b>Subtotal (Agriculture Investment Projects)</b>				<b>1,745.2</b>		

ADB = Asian Development Bank, GMS = Greater Mekong Subregion, Lao PDR = Lao People's Democratic Republic, PRC = People's Republic of China, RIF = Regional Investment Framework, SEAP = Strategy for Promoting Safe and Environment Friendly Agro-Based Value Chains in the Greater Mekong Sub region and Siem Reap Action Plan.

Note: A more detailed list of projects, Annex to the RIF 2022: First Progress Report and Update, is available to download at <https://www.greatermekong.org/gms-regional-investment-framework-2022>.

Source: GMS Secretariat.

No.	Project Title	Country Coverage	Year of Approval	Cost Estimate (\$ million)	Potential Funding Source and Amount (\$ million)	Status
<b>TECHNICAL ASSISTANCE</b>						
<b>Projects in RIF 2022</b>						
1	Climate-Friendly Agribusiness Value Chains in the GMS	Cambodia, Lao PDR, Myanmar	2015	2.5	Canadian Climate Fund for the Private Sector—1.0 Asia Clean Energy Fund (ACEF)—1.5	Completed
2	SEAP Strategy Implementation Support (formerly called “Implementing the Strategy on Agro-based Value Chain Investments in the GMS”)	All GMS countries	2019	10.0	Nordic Development Fund (NDF) Other Donors (TBC)	Proposed
3	Supporting Infrastructure Development of Agro-Industrial Zones for SEAP	Cambodia, PRC, Myanmar	2020	25.0	ADB, Other donors, Private sector	Proposed
4	Animal Disease Control Zone	Cambodia, Lao PDR, PRC, Myanmar	2020	TBC	ADB, Food and Agriculture Organization of the United Nations (FAO), World Health Organization (WHO), Private sector	Proposed
5	Geographic Indications (GI) Value Chain Development and Brand Building	Cambodia, PRC, Viet Nam Myanmar	2020	18.0		Proposed

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No.	Project Title	Country Coverage	Year of Approval	Cost Estimate (\$ million)	Potential Funding Source and Amount (\$ million)	Status
6	Agribusiness Incubator Development	Cambodia, Lao PDR, Myanmar	2020	19.0	ADB, International Finance Corporation (IFC), Other donors, Private sector	Proposed
7	GMS East–West Economic Corridor Agriculture Infrastructure Sector Project (additional financing)	Lao PDR	2018	1.0	ADB (Part of TA Facility)	Proposed
8	Climate Change Adaptation in Highland Agriculture (formerly Enhancing Productivity and Competitiveness of Safe and Environment Friendly Agriculture)	Thailand	2019	2.0		Proposed
9	Economic Corridor Agribusiness Development	Myanmar	2019	0.8	TBD	Proposed
10	Agricultural Value Chain Infrastructure Investment Project	Cambodia	2018	2.0	Part of ADB TRTA Facility	Ongoing
<b>Projects proposed for inclusion in 2022</b>						
	Promote Lao PDR Products with Digital Technology System (for agriculture production)	Lao PDR	2020	Count and Cost estimate listed under ICT to avoid double counting	ADB, IFAD, FAO	Proposed
<b>Subtotal (Agriculture Technical Assistance Projects)</b>				<b>80.3</b>		
<b>Total (Agriculture Investment and Technical Assistance Projects)</b>				<b>1,825.5</b>		

ADB = Asian Development Bank, GMS = Greater Mekong Subregion, ICT = information and communication technology, Lao PDR = Lao People's Democratic Republic, PRC = People's Republic of China, RIF = Regional Investment Framework, SEAP = Strategy for Promoting Safe and Environment Friendly Agro–Based Value Chains in the Greater Mekong Sub region and Siem Reap Action Plan, TA = technical assistance, TBC = to be confirmed, TBD = to be determined, TRTA = transaction technical assistance.

Note: A more detailed list of projects, Annex to the RIF 2022: First Progress Report and Update, is available to download at <https://www.greatermekong.org/gms-regional-investment-framework-2022>.

Source: GMS Secretariat.

## Environment

No.	Project Title	Country Coverage	Year of Approval	Cost Estimate (\$ million)	Potential Funding Source and Amount (\$ million)	Status
<b>INVESTMENT PROJECTS</b>						
<b>Projects in RIF 2022</b>						
1	Global Environment Fund Regional Biodiversity and Forestry Program	All GMS countries	2015	20.0	GEF—20.0	Ongoing
2	Rural Environmental Management, Pollution Control, and Waste Management	All GMS countries	2022	300.0	TBD	Proposed
3	Integrated Land Use Management for Sustainable Development	All GMS countries, Cambodia (national level) and 4 Trans-boundary Landscapes	2022	240.0	TBD	Proposed
<b>Projects proposed for inclusion in RIF 2022</b>						
4	Climate Proofing of Rural Infrastructure and Risk Financing	Cambodia, Lao PDR, Myanmar, Viet Nam	TBD	TBD	TBD	Proposed
5	Programmatic Support to Strengthen Environmental Management	All GMS countries	TBD	TBD	TBD	Proposed
6	Greater Mekong Subregion Biodiversity Conservation Corridors Project	Cambodia, Lao PDR, Viet Nam	2010	93.0	ADB—69.0 Strategic Climate Fund—20.24 GEF—3.79	Ongoing
<b>Subtotal (Environment Investment Projects)</b>				<b>653.0</b>		

ADB = Asian Development Bank, GEF = Global Environment Facility, GMS = Greater Mekong Subregion, Lao PDR = Lao People's Democratic Republic, RIF = Regional Investment Framework, TBD = to be determined.

Note: A more detailed list of projects, Annex to the RIF 2022: First Progress Report and Update, is available to download at <https://www.greatermekong.org/gms-regional-investment-framework-2022>.

Source: GMS Secretariat.

No.	Project Title	Country Coverage	Year of Approval	Cost Estimate (\$ million)	Potential Funding Source and Amount (\$ million)	Status
<b>TECHNICAL ASSISTANCE</b>						
<b>Projects in RIF 2022</b>						
1	GMS Environment Service Facility (a.k.a. GMS Core Environment Program 2018–2022)	All GMS countries	2018	10.0	ADB—2.0 Regional Cooperation and Integration Fund/PRC Regional Cooperation and Poverty Reduction Fund—6.0 TBD—2.0	Proposed
2	Rural Environmental Management (GMS CEP Strategic Framework and Action Plan)	All GMS countries	2022	1.5	TBD	Proposed
3	Integrated Land Use Management for Sustainable Development (GMS CEP Strategic Framework and Action Plan)	All GMS countries	2022	1.5	TBD	Proposed
4	Capacity Building for the Management on Environmental Laboratory and Environmental Monitoring	Myanmar	2022	0.3	TBD	Proposed
<b>Projects proposed for inclusion in the RIF 2022</b>						
5	Integration of Climate Change Mitigation and Adaptation Measures in Management of Transboundary Central Annamites Landscape	Viet Nam	2018	1.3	TBD	Proposed
6	Proposing Models on Rational Utilization of Natural Capital in Biodiversity Corridors in the Greater Mekong Subregion	Viet Nam	2019	1.3	Grants	Proposed
<b>Subtotal (Environment TA Projects)</b>				<b>15.8</b>		
<b>Total (Environment Investment and TA Projects)</b>				<b>668.8</b>		

ADB = Asian Development Bank, CEP = Core Environment Program, GMS = Greater Mekong Subregion, RIF = Regional Investment Framework, TA = technical assistance, TBD = to be determined.

Note: A more detailed list of projects, Annex to the RIF 2022: First Progress Report and Update, is available to download at <https://www.greatermekong.org/gms-regional-investment-framework-2022>.

Source: GMS Secretariat.



## Health and Other Human Resource Development

No.	Project Title	Country Coverage	Year of Approval	Cost Estimate (\$ million)	Potential Funding Source and Amount (\$ million)	Status
<b>INVESTMENT PROJECTS</b>						
<b>Projects in RIF 2022</b>						
1	GMS Health Security Project (formerly GMS Communicable Disease Control Project Phase III)	Cambodia, Lao PDR, Myanmar, Viet Nam	2016	132.2	ADB—125.0 Counterpart—7.2	Ongoing
2	Local Health Care Sector Development Program (LHCSDP) (formerly Strengthening Local Health Care Support Program)	Viet Nam	2018	100.6	ADB—100.6	Proposed
3	Guangxi Modern Technical and Vocational Education and Training (TVET) Development Program (RBL)	PRC	2017	450.6	ADB loan —250.0 ADB TA —0.6 Kreditanstalt für Wiederaufbau (KfW) —200.0	Ongoing
<b>Projects Proposed for Inclusion in RIF 2022</b>						
4.	GMS Universal Health Care (UHC)	Lao PDR, Myanmar, Thailand (TBC)	2021	50.0	ADB—50.0	Proposed
<b>Subtotal (Health and other HRD Investment Projects)</b>				<b>733.4</b>		

ADB = Asian Development Bank, GMS = Greater Mekong Subregion, Lao PDR = Lao People's Democratic Republic, RBL = Results-Based Lending, RIF = Regional Investment Framework, TA = technical assistance, TBC = to be confirmed.

Note: A more detailed list of projects, Annex to the RIF 2022: First Progress Report and Update, is available to download at <https://www.greatermekong.org/gms-regional-investment-framework-2022>.

Source: GMS Secretariat

No.	Project Title	Country Coverage	Year of Approval	Cost Estimate (\$ million)	Potential Funding Source and Amount (\$ million)	Status
<b>TECHNICAL ASSISTANCE</b>						
<b>Projects in RIF 2022</b>						
1	Strengthening Resilience to Climate Change in the Health Sector in the Greater Mekong Subregion	Cambodia, Lao PDR, Viet Nam	2015	4.41	Nordic Development Fund—4.36 Governments of Cambodia, Lao PDR, and Viet Nam—0.05	Ongoing
2	Malaria and Communicable Diseases Control in the GMS	Cambodia, Lao PDR, Myanmar	2015	4.5	Trust Fund under Health Financing Partnership Facility—4.5	Completed
3	GMS HRD Strategic Framework and Action Plan 2013–2017, Phase 2	All GMS countries	2013	2.1	ADB—1.3 PRC Fund—0.5 Governments of the GMS countries—0.3	Completed
4	Capacity Building in Labor Migration Management	Cambodia, Lao PDR, Myanmar, Viet Nam	TBD	0.3	TBD	Proposed
5	Strengthening Regional Health Cooperation in the Greater Mekong Subregion	All GMS countries	2018	1.0	ADB—1.0	Ongoing
6	TA Facility—Support for Human and Social Development in Southeast Asia: Improving UHC Coverage in Border Areas for MMPs Project	Cambodia, Lao PDR, Myanmar, Thailand, Viet Nam	2019	2.0	ADB TASF- 2.0	Proposed
7	Poverty Reduction through Safe Migration, Skills Development and Enhanced Job Placement in Cambodia, Lao People’s Democratic Republic, and Thailand (PROMISE)	Cambodia, Lao PDR, Myanmar, Thailand	2017	8.3	Swiss Agency for Development and Cooperation (SDC), International Organization for Migration (IOM)	Ongoing
<b>Subtotal (Health and other HRD TA Projects)</b>				<b>22.6</b>		
<b>Total (Health and other HRD Investment and TA Projects)</b>				<b>756.0</b>		

ADB = Asian Development Bank, GMS = Greater Mekong Subregion, HRD = human resource development, Lao PDR = Lao People’s Democratic Republic, MMP = migrant and mobile populations, PRC = People’s Republic of China, RIF = Regional Investment Framework, TA = technical assistance, TBD = to be determined, UHC = universal health care.

Note: A more detailed list of projects, Annex to the RIF 2022: First Progress Report and Update, is available to download at <https://www.greatermekong.org/gms-regional-investment-framework-2022>.

Source: GMS Secretariat.

## Urban Development

No.	Project Title	Country Coverage	Year of Approval	Cost Estimate (\$ million)	Potential Funding Source and Amount (\$ million)	Status
<b>INVESTMENT PROJECTS</b>						
<b>Projects in RIF 2022</b>						
1	Corridor Towns Development Project II	Cambodia, Lao PDR, Viet Nam	2015	211.8	ADB—170.0 Governments of Cambodia, the Lao PDR, and Viet Nam—31.8 Association of Southeast Asian Nations (ASEAN) Infrastructure Fund—10.0	Ongoing
2	Corridor Towns Development Project III	Myanmar	2018	86.5	ADB—80.0 Government of Myanmar—6.53	Ongoing
3	Fourth Greater Mekong Subregion Corridor Towns Development Project	Cambodia, Lao PDR	2018	142.6	ADB—128.0 Government of Cambodia—8.0 Government of Lao PDR—6.06 Cofinancing—0.5	Ongoing
4	Second Mandalay Urban Services Improvement Project	Myanmar	2021	165.0	ADB—150.0 Cofinancing—15.0	Proposed
5	Fifth Greater Mekong Subregion Corridor Towns Development Project	Lao PDR, Cambodia	2021	240.0	ADB—240.0	Proposed
6	Hekou Urban Infrastructure and Public Services Improvement Project	PRC	2018	175.3	ADB Government of the PRC	Proposed
7	Yangon Urban Services Improvement Project	Myanmar	2020	100.0	ADB—100.0	Proposed
<b>Subtotal (Urban Development Investment Projects in RIF 2022)</b>				<b>1,121.2</b>		
<b>Subtotal (Urban Development Investment Projects)</b>				<b>1,121.2</b>		

ADB = Asian Development Bank, Lao PDR = Lao People's Democratic Republic, PRC = People's Republic of China, RIF = Regional Investment Framework.

Note: A more detailed list of projects, Annex to the RIF 2022: First Progress Report and Update, is available to download at <https://www.greatermekong.org/gms-regional-investment-framework-2022>.

Source: GMS Secretariat.

No.	Project Title	Country Coverage	Year of Approval	Cost Estimate (\$ million)	Potential Funding Source and Amount (\$ million)	Status
<b>TECHNICAL ASSISTANCE</b>						
<b>Projects in RIF 2022</b>						
1	PPTA for Corridor Towns Development Project III	Myanmar	2014	1.1	ADB—1.0 Cofinancing—0.475	Ongoing
2	Greater Mekong Subregion: Capacity Development for Economic Zones in Border Areas	All GMS countries	2015	0.9	ADB—0.5 Cofinancing—0.4	Ongoing
3	Corridor Towns Development Project IV	Cambodia, Lao PDR	2016	1.8	ADB—1.8	Ongoing
4	PPTA for Second Mandalay Urban Services Improvement Project	Myanmar	2017	1.0	ADB—0.75 Cofinancing (Urban Climate Change Resilience Trust Fund under the Urban Financing Partnership Facility)—0.225	Ongoing
5	PPTA for Fifth Greater Mekong Subregion Corridor Towns Development Project	Select GMS countries	2019	1.5	ADB—1.5	Proposed
6	Yangon Urban Service Improvement Project – 1 (TA)	Myanmar	2018	3.0	ADB—1.0 Urban Financing Partnership Facility (UFPF)—2.0	Proposed
<b>Subtotal (Urban Development TA Projects)</b>				<b>9.7</b>		
<b>Total (Urban Development Investment and TA Projects)</b>				<b>1,130.9</b>		

ADB = Asian Development Bank, PPTA = project preparatory technical assistance, RIF = Regional Investment Framework, TA = technical assistance.

Note: A more detailed list of projects, Annex to the RIF 2022: First Progress Report and Update, is available to download at <https://www.greatermekong.org/gms-regional-investment-framework-2022>.

Source: GMS Secretariat.

## Other Multisector and Border Economic Zones

No.	Project Title	Country Coverage	Year of Approval	Cost Estimate (\$ million)	Potential Funding Source and Amount (\$ million)	Status
<b>INVESTMENT PROJECTS</b>						
<b>Projects in RIF 2022</b>						
1	Guangxi Regional Cooperation and Integration Promotion Investment Program, MFF tranches 1–3 (formerly Joint PRC–Viet Nam Cross-Border Economic Zones)	PRC	2016	890.0	ADB—450.0 Government of the PRC—440.0	Ongoing
2	Construction of a Phnom Penh New Port Special Economic Zone	Cambodia	TBD	60.0	TBD	Proposed
3	Yunnan–Lincang Border Economic Cooperation Zone Infrastructure Development	PRC	2018	385.0	ADB—250.0 Government of the PRC—135.0	Proposed
4	PRC and Thailand Industrial Park Cooperation	PRC, Thailand	TBD	TBD	TBD	Proposed
5	Support to Border Areas Development Project	Viet Nam	2016	122.1	ADB—106.5 Government of Viet Nam—15.6	Ongoing
6	Ruili Border Economic Zone Infrastructure Development Project	PRC	2018	627.8	TBD	Proposed
<b>Projects Proposed for Inclusion in RIF 2022</b>						
7	Border Trade Zone in Muse, Kampitee, and Shinshwehaw	Myanmar, PRC	TBD	TBD	TBD	Proposed
<b>Subtotal (Other Multisector/Border Economic Zones Investment Projects)</b>				<b>2,084.9</b>		

ADB = Asian Development Bank, MFF = multitranches financing facility, PRC = People's Republic of China, RIF = Regional Investment Framework, TBD = to be determined.

Note: A more detailed list of projects, Annex to the RIF 2022: First Progress Report and Update, is available to download at <https://www.greatermekong.org/gms-regional-investment-framework-2022>.

Source: GMS Secretariat.

No.	Project Title	Country Coverage	Year of Approval	Cost Estimate (\$ million)	Potential Funding Source and Amount (\$ million)	Status
<b>TECHNICAL ASSISTANCE PROJECTS</b>						
<b>Projects in RIF 2022</b>						
1	Policy Coordination and Planning of Border Economic Zones of the People's Republic of China and Viet Nam (formerly Joint Feasibility Study on Cross-Border Economic Zones in the PRC and Viet Nam)	PRC, Viet Nam	2017	0.4	PRC Regional Cooperation and Poverty Reduction Fund—0.4	Ongoing
2	PPTA for Yunnan–Lincang Cross-Border Economic Cooperation and Integration Promotion Investment Program	PRC	2018	0.5	ADB	Proposed
3	Preparatory TA for Guangxi Regional Cooperation and Integration Promotion Investment Program	PRC	2016	1.2	ADB-1.0 Government of PRC—0.2	Completed
4	Research on China–Indochina Peninsula Economic Corridor Transportation and Business Planning	GMS countries	TBD	4.2	TBD	Proposed
5	Feasibility Study for Thakhek Special Economic Zone	Lao PDR, Thailand	TBD	1.5	TBD	Proposed
6	Training and Technical Assistance for Implementing Cross-Border Economic Zone between Myanmar and the PRC	Myanmar, PRC	2018	0.2	ADB	Proposed
<b>Projects Proposed for Inclusion in RIF 2022</b>						
7	Strengthening the Coordination of the GMS Program	All GMS countries	2010	6.0	ADB—5.95	Completed
8	Sustaining the Gains of Regional Cooperation in the Greater Mekong Subregion	All GMS Countries	2017	2.0	ADB—2.0	Ongoing
9	Training and Technical Assistance for Implementing Cross-Border Economic Zone Frame Work Plan between the Lao PDR and the PRC	Lao PDR, PRC	2018	2.0	TBD	Proposed
<b>Subtotal (Other Multisector/ Border Economic Zones TA Projects)</b>				<b>18.0</b>		
<b>Total (Other Multisector/ Border Economic Zones Investment and TA Projects)</b>				<b>2,102.9</b>		

ADB = Asian Development Bank, GMS = Greater Mekong Subregion, Lao PDR = Lao People's Democratic Republic, PPTA = project preparatory technical assistance, PRC = People's Republic of China, RIF = Regional Investment Framework, TA = technical assistance, TBD = to be determined.

Note: A more detailed list of projects, Annex to the RIF 2022: First Progress Report and Update, is available to download at <https://www.greatermekong.org/gms-regional-investment-framework-2022>.

Source: GMS Secretariat.

## Tourism

No.	Project Title	Country Coverage	Year of Approval	Cost Estimate (\$ million)	Potential Funding Source and Amount (\$ million)	Status
<b>INVESTMENT PROJECTS</b>						
<b>Projects in RIF 2022</b>						
1	GMS Tourism Infrastructure for Inclusive Growth	Cambodia, Lao PDR, Viet Nam	2014	117.4	ADB—108.0 Governments of Cambodia, the Lao PDR, and Viet Nam—9.4	Ongoing
2	Construction of the Sino–Vietnamese Detian–Ban Gioc Waterfalls International Tourism Cooperation Zone	PRC, Viet Nam	2016	200.0	Governments of the PRC and Viet Nam	Ongoing
3	GMS Tourism Infrastructure for Inclusive Growth II	Cambodia, Lao PDR, Viet Nam	2018	136.2	ADB—122.0 Governments of the Lao PDR, and Viet Nam—14.2	Ongoing for Cambodia and Lao PDR
4	Tourism Infrastructure Development in the Green Triangle Development Area	Cambodia, Lao PDR, Viet Nam	2022	75.0	TBD	Proposed
5	Tourism Infrastructure Development in the Emerald Triangle Development Area	Cambodia, Lao PDR, Thailand	2022	75.0	ADB—50.0 Government of Thailand—25.0	Proposed
6	River and Coastal Port Improvements	All GMS countries	2022	250.0	Governments of the GMS countries, ADB, Official Development Assistance (ODA)	Proposed
7	Improve Tourism Infrastructure and Facilities in the Konglor Cave–Phong Nha Ke Bang– Nakhon Phanom Corridor	Lao PDR, Thailand, Viet Nam	2017	1.6	Governments of the Lao PDR, Thailand, and Viet Nam, ODA (New Zealand)	Ongoing
8	Tourism Information Center and Roadside Rest Area Development	All GMS countries	2017	30.0	Governments of the GMS countries, ODA	Ongoing
9	Improve Environmental Services in World Heritage Sites	All GMS countries	2022	250.0	Governments of the GMS countries, ODA	Proposed
10	Border Facilities Improvement Program	All GMS countries	2022	200.0	Governments of the GMS countries, ODA	Proposed
11	Strengthening Tourism Vocational Training Institutions	Cambodia, PRC, Lao PDR, Thailand, Viet Nam	2016	70.0	7.5m EUR (\$8.6 million) from Luxembourg 7.5m (\$8.6 million) EUR from Switzerland In-kind contribution from Lao PDR	Ongoing
12	Community-Based Tourism Enterprise Support Program	All GMS countries	2021	30.0	Governments of the GMS countries, ODA	Proposed
<b>Subtotal (Tourism Investment Projects)</b>				<b>1,435.2</b>		

ADB = Asian Development Bank, GMS = Greater Mekong Subregion, Lao PDR = Lao People's Democratic Republic, PRC = People's Republic of China, RIF = Regional Investment Framework, TBD = to be determined.

Note: A more detailed list of projects, Annex to the RIF 2022: First Progress Report and Update, is available to download at <https://www.greatermekong.org/gms-regional-investment-framework-2022>.

Source: GMS Secretariat.

No.	Project Title	Country Coverage	Year of Approval	Cost Estimate (\$ million)	Potential Funding Source and Amount (\$ million)	Status
<b>TECHNICAL ASSISTANCE</b>						
<b>Projects in RIF 2022</b>						
1	Preparing Second GMS Tourism Infrastructure for Inclusive Growth Project	Cambodia, Lao PDR, Myanmar, Viet Nam	2016	2.5	ADB—1.5 Nordic Development Fund (NDF)—1.0	Ongoing
2	Preparing the Tourism Infrastructure Development in the Green Triangle Development Area	Cambodia, Lao PDR, Viet Nam	TBD	1.0		Proposed
3	Preparing the Tourism Infrastructure Development in the Emerald Triangle Development Area	Cambodia, Lao PDR, Thailand	TBD	1.0	Governments of Cambodia, Lao PDR, and Viet Nam, ODA	Proposed
4	Strengthening Coordination of GMS Tourism Product Development and Promotion	All GMS countries	2017	0.5	Governments of the GMS countries, ODA	Ongoing
5	Capacity Building for Sustainable Destination Management	All GMS countries	TBD	12.0	Governments of the GMS countries, ODA	Proposed
6	Mekong Inclusive Growth and Innovation Program	Cambodia, Lao PDR	2017	3.0	ODA, Swisscontact	Ongoing
7	Cambodia, Lao PDR, and Viet Nam Development Triangle Tourism Development Plan	Cambodia, Lao PDR, Viet Nam	TBD	1.0	Governments of Cambodia, Lao PDR, and Viet Nam, ODA—TBD	Proposed
8	Integrated Destination Planning and Management Support Program	All GMS countries	TBD	20.0	Governments of the GMS countries, ODA	Proposed
9	Formulation of Travel Guidelines along the Main GMS Corridors	All GMS countries	TBD	0.2	Governments of the GMS countries, ODA	Proposed
10	Tourism Product Development for Lao–Thai Heritage Quadrangle	Lao PDR, Thailand	2018	0.5	Governments of the Lao PDR and Thailand, ODA—TBD	Ongoing
11	Common Tourism Standards Implementation Program	All GMS countries	TBD	12.0	Governments of the GMS countries, ODA—TBD	Proposed
12	Child-Safe Tourism Program and GMS Conference on Preventing Child Sex Tourism	All GMS countries	TBD	3.0	Governments of the GMS countries, ODA	Proposed
13	Climate Resilience and Green Growth Planning Program	All GMS countries	TBD	12.0	Governments of the GMS countries, ODA	Proposed
14	Explore Mekong Digital Marketing Initiative	All GMS countries	2015	3.0	Governments of the GMS countries, ODA	Ongoing
15	Improve Subregional Tourism Data Collection and Analysis	All GMS countries	2017	6.0	Governments of the GMS countries, ODA	Ongoing
16	Monitoring GMS Visitor Satisfaction	All GMS countries	TBD	1.0	Governments of the GMS countries, ODA	Proposed
17	Third GMS Tourism Infrastructure for Inclusive Growth Project	Select GMS countries	2020	1.0	ADB—1.0	Proposed

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No.	Project Title	Country Coverage	Year of Approval	Cost Estimate (\$ million)	Potential Funding Source and Amount (\$ million)	Status
<b>Projects Proposed for Inclusion in RIF 2022</b>						
18	Small Scale Knowledge and Support Technical Assistance for 2018 Mekong Innovative Startup Tourism (MIST) Accelerator Program	All GMS Countries	2018	0.2	DFAT Australia—0.225	Ongoing
<b>Subtotal (Tourism TA Projects)</b>				<b>79.9</b>		
<b>Total (Tourism Investment and TA Projects)</b>				<b>1,515.1</b>		

ADB = Asian Development Bank, DFAT = Department of Foreign Affairs and Trade, GMS = Greater Mekong Subregion, Lao PDR = Lao People's Democratic Republic, ODA = official development assistance, RIF = Regional Investment Framework, TA = technical assistance, TBD = to be determined.

Note: A more detailed list of projects, Annex to the RIF 2022: First Progress Report and Update, is available to download at <https://www.greatermekong.org/gms-regional-investment-framework-2022>.

Source: GMS Secretariat.

## Transport and Trade Facilitation

No.	Project Title	Country Coverage	Year of Approval	Cost Estimate (\$ million)	Potential Funding Source and Amount (\$ million)	Status
<b>INVESTMENT PROJECTS</b>						
<b>Projects in RIF 2022</b>						
1	Improved SPS Handling in GMS Trade Project (additional financing) (formerly Modernization of Sanitary and Phytosanitary [SPS] Agencies for Trade Facilitation Project in GMS [Phase 2])	Lao PDR	2017	10.3	ADB—10.0 Government of the Lao PDR—0.3	Ongoing
2	Establishment of Logistics Hub and Truck/Trailer Terminal in Wartayar Industrial Zone (northwest part of Yangon)	Myanmar	TBD	20.0	TBD	Proposed
<b>Subtotal (Transport and Trade Facilitation Investment Projects)</b>				<b>30.3</b>		
<b>Projects Proposed for Inclusion in RIF 2022</b>						
3	Enhancing Capacity of Sanitary and Phytosanitary (SPS) Arrangement to Facilitate Trade in Myanmar	Myanmar	2020	25.0	ADB—24.0 Government of Myanmar—1.0 (in kind, TBC) Co-financing—TBC	Proposed
<b>Subtotal (TTF Investment Projects proposed for inclusion in RIF 2022)</b>				<b>25.0</b>		
<b>Subtotal (Transport and Trade Facilitation Investment Projects)</b>				<b>55.3</b>		

ADB = Asian Development Bank, GMS = Greater Mekong Subregion, Lao PDR = Lao People's Democratic Republic, RIF = Regional Investment Framework, TA = technical assistance, TBD = to be determined, TTF = transport and trade facilitation.

Note: A more detailed list of projects, Annex to the RIF 2022: First Progress Report and Update, is available to download at <https://www.greatermekong.org/gms-regional-investment-framework-2022>.

Source: GMS Secretariat.

No.	Project Title	Country Coverage	Year of Approval	Cost Estimate (\$ million)	Potential Funding Source and Amount (\$ million)	Status
<b>TECHNICAL ASSISTANCE</b>						
<b>Projects in RIF 2022</b>						
1	Strengthening Quarantine Facilities in Myanmar	Myanmar	2018	0.5	TBD	Proposed
2	Trade Facilitation through Partnership with the Private Sector	Cambodia, Lao PDR, Myanmar, Thailand, Viet Nam	2014	1.5	ADB JFPR—1.5	Completed
3	Support for Implementing the Action Plan on Transport and Trade Facilitation in the GMS (Subproject 2)	All GMS countries	2014	3.7	Department of Foreign Affairs and Trade (Australia)— 3.7	Ongoing
4	ASEAN Economic Community Support Program	Cambodia, Lao PDR (2 of 8 ASEAN countries covered)	2016	5.0	ADB—5.0	Ongoing
5	Strengthening Capacity Building for Logistics for Small and Medium Enterprises along GMS Corridors	PRC, Viet Nam	TBD	TBD	TBD	Proposed
6	Strengthening the Cooperation among Cambodia, Lao PDR, and Viet Nam in the Development Triangle Area	Cambodia, Lao PDR, Viet Nam	TBD	1.0	TBD	Proposed
7	GMS Trade and Investment Information Service Platform	All GMS countries	2018	2.5	TBD	Proposed
8	Commodity Fairs in GMS Countries	Selected GMS countries	2014	5.0	PRC (Yunnan), JICA	Ongoing
9	Advancing Time Release Study in Southeast Asia (formerly Advancing Time Release Study in the Greater Mekong Subregion)	Cambodia, Lao PDR, Myanmar,	2017	1.0	ADB—1.0	Ongoing
<b>Projects proposed for inclusion in RIF 2022</b>						
	Promote Lao PDR Products with Digital Technology System (for agriculture production)	Lao PDR	2020	Count and Cost estimate listed under ICT to avoid double counting	ADB, IFAD, FAO	Proposed
<b>Subtotal (Transport and Trade Facilitation TA Projects)</b>				<b>20.2</b>		
<b>Total (Transport and Trade Facilitation Investment and TA Projects)</b>				<b>75.5</b>		

ADB = Asian Development Bank, ASEAN = Association of Southeast Asian Nations, FAO = Food and Agriculture Organization, GMS = Greater Mekong Subregion, ICT = information and communication technology, IFAD = International Fund for Agricultural Development, JFPR = Japan Fund for Poverty Reduction, JICA = Japan International Cooperation Agency, Lao PDR = Lao People's Democratic Republic, PRC = People's Republic of China, RIF = Regional Investment Framework, TA = technical assistance, TBD = to be determined.

Note: A more detailed list of projects, Annex to the RIF 2022: First Progress Report and Update, is available to download at <https://www.greatermekong.org/gms-regional-investment-framework-2022>.

Source: GMS Secretariat.

## Information and Communication Technology

No.	Project Title	Country Coverage	Year of Approval	Cost Estimate (\$ million)	Potential Funding Source and Amount (\$ million)	Status
<b>INVESTMENT PROJECTS</b>						
<b>Projects in RIF 2022</b>						
1.	Broadband Development Strategies and Implementation Programs of the GMS	All GMS countries	2018	8.0	ODA	Proposed
2.	Digital Connectivity	All GMS countries	2018	15.0	ODA	Proposed
<b>Subtotal (ICT Investment Projects in RIF 2022)</b>				<b>23.0</b>		
<b>Subtotal (Information and Communication Technology Investment Projects)</b>				<b>23.0</b>		

GMS = Greater Mekong Subregion, ODA = official development assistance, RIF = Regional Investment Framework.

Note: A more detailed list of projects, Annex to the RIF 2022: First Progress Report and Update, is available to download at <https://www.greatermekong.org/gms-regional-investment-framework-2022>.

Source: GMS Secretariat.

No.	Project Title	Country Coverage	Year of Approval	Cost Estimate (\$ million)	Potential Funding Source and Amount (\$ million)	Status
<b>TECHNICAL ASSISTANCE PROJECTS</b>						
<b>Projects in RIF 2022</b>						
1	Broadband Development Strategies and Implementation Programs of the GMS	All GMS countries	TBD	0.1	TBD	Proposed
2	Workshops on E-Commerce Cooperation and Exchanges in GMS	All GMS countries	TBD	0.1	TBD	Proposed
3	Cross-Border International Interconnected Bandwidth Expansion Project	PRC, Lao PDR, Viet Nam	TBD	2.1	State-owned telecom operators (China Unicom, Viettel, and LTC)—2.1	Proposed
4	Workshop on International Roaming for All Operators/Regulators in GMS countries	Lao PDR, Cambodia, Myanmar, Thailand, Viet Nam	TBD	0.1	ODA	Proposed
5	Training in Quality of Experience (QoE) in Voice/Data Services over Communication Network Monitoring	Cambodia, Lao PDR, Myanmar, Thailand, Viet Nam	TBD	0.1	ODA	Proposed

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No.	Project Title	Country Coverage	Year of Approval	Cost Estimate (\$ million)	Potential Funding Source and Amount (\$ million)	Status
<b>Projects proposed for inclusion in RIF 2022</b>						
6.	Promote Lao PDR Products with Digital Technology System (for agriculture production)	Lao PDR	2020	1.0	ADB, IFAD, FAO	Proposed
7.	Science and Technology Strategy for Enhancing Organic Food Industry	Lao PDR	2020	0.4	ADB	Proposed
8.	Feasibility Study on Science and Technology Park	Lao PDR	2020	0.4	ADB	Proposed
<b>Subtotal (ICT TA Projects)</b>				<b>4.3</b>		
<b>Total (ICT Investment and TA Projects)</b>				<b>27.3</b>		

ADB = Asian Development Bank, FAO = Food and Agriculture Organization, GMS = Greater Mekong Subregion, IFAD = International Fund for Agricultural Development, JFPR = Japan Fund for Poverty Reduction, JICA = Japan International Cooperation Agency, Lao PDR = Lao People's Democratic Republic, ODA = official development assistance, PRC = People's Republic of China, RIF = Regional Investment Framework, TBD = to be determined.

Note: A more detailed list of projects, Annex to the RIF 2022: First Progress Report and Update, is available to download at <https://www.greatermekong.org/gms-regional-investment-framework-2022>.

Source: GMS Secretariat.

## **Regional Investment Framework 2022: First Progress Report and Update**

The Regional Investment Framework 2022 (RIF 2022) is the medium-term pipeline of priority investment and technical assistance projects in the Greater Mekong Subregion (GMS) and operationalizes the strategic thrusts and priorities of the GMS Program under the GMS Strategic Framework (2012-2022) and the Ha Noi Action Plan 2018-2022. The RIF 2022 was endorsed at the 22nd GMS Ministerial Conference in Ha Noi, Viet Nam on 20 September 2017 and then adopted by the GMS Leaders during the 6th GMS Summit of Leaders on 31 March 2018 in Ha Noi including the direction to ensure that the RIF is reviewed and updated regularly to adapt to changing conditions and priorities.

This RIF 2022 First Progress Report and Update represents updates to the RIF 2022 during the 2018 cycle (from February to November 2018). It includes a revision to the RIF 2022 to a new total of 242 investment and technical assistance projects requiring a total of \$80.7 billion in financing.

## **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 Program currently covers the following priority sectors: agriculture; energy; environment; health and other human resource development; information and communication technology; tourism; transport; transport and trade facilitation; and urban development, border economic zones, and other multisector.

## **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 67 members—48 from the region. Its main instruments for helping its developing member countries are policy dialogue, loans, equity investments, guarantees, grants, and technical assistance.

### **GMS Secretariat**

Southeast Asia Department  
Asian Development Bank  
6 ADB Avenue, Mandaluyong City  
1550 Metro Manila, Philippines  
Fax: +63 2 636 2226

E-mail: [gms@adb.org](mailto:gms@adb.org)

Web addresses:

<https://www.adb.org/countries/gms/main>

<https://www.greatermekong.org/>