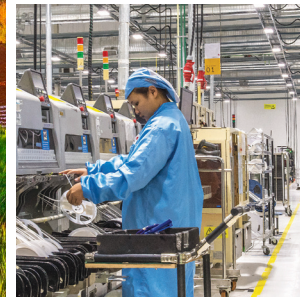
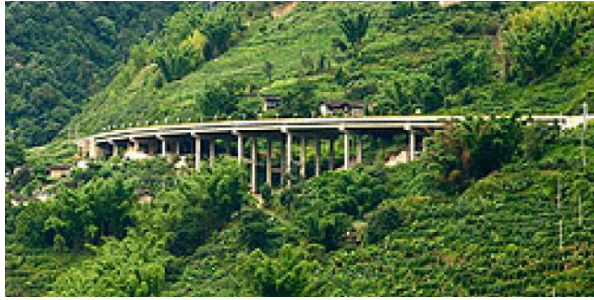




24TH GMS MINISTERIAL CONFERENCE, 2020





Greater Mekong Subregion
Economic Cooperation Program

**Annex to the
Regional Investment
Framework 2022:**

**Third Progress Report
and Update**

November 2020

GMS SECRETARIAT

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Transport

Cambodia

Investment Projects

No.	Project Title	Sub-sector	Description	Year of Approval	Cost Estimate (\$ million)		Potential Funding Source and Amount (\$ million)		Status Updates	Key Locations and GMS Economic Corridor Alignment	Expected/Planned Measurable Outputs	Project Contact
					Second Progress Report (2019)	2020 Updates (if any)	Second Progress Report (2019)	2020 Updates (if any)				
1	Sihanoukville Port Access Road Improvements	Roads and bridges	Originally, the project will improve the final 9.5 kilometers (km) of National Road (NR) 4 leading to Sihanoukville port. Due to the shortage of the budget, the proposed alignment has been changed and the distance is shortened from 9.5 km to 5 km	2017	5.0	5.0	Government of Cambodia (National Budget)—5.0	Government of Cambodia (National Budget)—5.0	Completed in 2019 (the shortened alignment of 5.0 km) (The original alignment is still considered for long term plan)	Sihanoukville SEC (Southern Coastal Corridor, Southern Central Corridor)	5 km of NR4 leading to Sihanoukville port improved	
2	Establishment of Bus/ Truck Driving Test Center	Others	The project involves the acquisition of equipment and/or construction of facilities. It may consist of a combination of a technical assistance project and an investment project, with the latter involving the actual setting up of the center. The reasons for this project are (i) the lack of testing facilities and equipment for bus and truck drivers; (ii) lack of professional drivers of heavy vehicles, especially cross-border vehicles; and (iii) need to reduce the frequency of road accidents.	2017	5.0	10.0	Private Sector (SCG Thailand)/ Government of Cambodia—5.0	Private Sector—10.0	Completed. (acquisition of buildings and testing field) Need Improvement. Ministry of Public Works and Transport (MPWT) has already secured buildings and testing field for the center. SCG Thailand supports Training of Trainers. The Center was launched for initial stage in July 2018. 1,025 truck drivers have been trained. A new Bus/Truck Training and Testing Center is under construction by a local investor to be opened at the end of 2020.	SEC	Bus/Truck Driving Test Center established	Mr. Kong Sophal Deputy Director General of Land Transport email: k_sophal@yahoo.com Tel: +855 77 881800

Continued on next page

Investment projects in RIF 2022 continued—Cambodia

No.	Project Title	Sub-sector	Description	Year of Approval	Cost Estimate (\$ million)		Potential Funding Source and Amount (\$ million)		Status Updates	Key Locations and GMS Economic Corridor Alignment	Expected/Planned Measurable Outputs	Project Contact
					Second Progress Report (2019)	2020 Updates (if any)	Second Progress Report (2019)	2020 Updates (if any)				
									This Center will replace the one created by MPWT. MPWT seeks Technical Assistance from DPs, especially from ADB to to strengthen the capacity of the center and provide necessary facilities and equipment.			
3	Cambodia: Poipet–Border Bridge/ Aran-yaprathet (6.5 km)	Rail	This project will rehabilitate part of the GMS Rail Link1: Kunming–Ha Noi–Ho Chi Minh City (HCMC) to Phnom Penh– Bangkok (Singapore–Kunming Rail Link [SKRL] mainline)	2016	6.5	6.5	Government of Cambodia—6.5	Government of Cambodia—6.5	Completed in April 2018.	SKRL main line NSEC	6.5 railway rehabilitated	
4	Phnom Penh– Sihanoukville Expressway Project (formerly Phnom Penh–Sihanoukville Highway Corridor Improvements)	Roads and bridges	This is an approximately 190.01 km expressway project to be built on a new alignment. A build–operate–transfer (BOT) model with a 50–years concession period was approved. The expressway will provide a high–capacity road link between Phnom Penh and the port city of Sihanoukville, and to the Greater Mekong Subregion (GMS) Southern Coastal Corridor.	2016	2,000.0	2,000.0	People’s Republic of China (PRC) Private sector— 2,000.0	People’s Republic of China (PRC) Private sector— 2,000.0	Ongoing. Ground– breaking ceremony presided over by Prime Minister Samdech on 22 March 2019. Progress as of July 2020 is 25% Expected to be completed in 2022.	Link between Capital City of Phnom Penh to Deep sea port of Sihanoukville. It is also a part of the Southern Central Corridor.	190.01 km 4 lanes expressway to be built on new alignment	Mr. Kong Sophal Deputy Director General, Department of Land Transport, MWPT k_sophal@yahoo.com

Continued on next page

Investment projects in RIF 2022 continued—Cambodia

No.	Project Title	Sub-sector	Description	Year of Approval	Cost Estimate (\$ million)		Potential Funding Source and Amount (\$ million)		Status Updates	Key Locations and GMS Economic Corridor Alignment	Expected/Planned Measurable Outputs	Project Contact
					Second Progress Report (2019)	2020 Updates (if any)	Second Progress Report (2019)	2020 Updates (if any)				
5	Road Network Improvement Project (formerly GMS: Deepening Connectivity of Southern Economic Corridor Project)	Roads and bridges	The originally proposed project name was GMS: Deepening Connectivity of Southern Economic Corridor, later on, it was changed to Second Road Asset Management Project (Second RAMP) and finally, the project title now is Road Network Improvement Project under ADB Loan 3576-CAM (COL) The project will improve about 147 km of flood-prone and unsafe national roads through provision of periodic maintenance and rehabilitation on NR6 (50 km) and NRI (97 km), respectively, with asphalt-concrete pavement (under a performance-based contract), which are high-priority roads connecting Cambodia with Thailand and Viet Nam.	2017	76.9	76.9	ADB—70.0 Government of Cambodia— 6.94	ADB—70.0 Government of Cambodia— 6.94	<p>Ongoing. As of June 2020, asphalt overlay work has been completed with the following cost estimates:</p> <p>NR1: \$21,150,004.64 NR6: \$10,841,065.62</p> <p>For CW-4, ADB provided no objection to MPWT's recommendation to award contact to the first-ranked bidder on 17 February 2020. Contract award is expected in Q1 2020. Project is expected to close in June 2023</p>	Prey Veng, Siem Reap and Svay Rieng Provinces SEC	<p>1.147 kms of National Roads rehabilitated, with safer and climate resilient national roads delivered</p> <p>2. Axleload control enhanced</p> <p>3. Quality assurance for civil works in MPWT strengthened</p> <p>4. Road safety enforcement in project communes improved</p>	
Subtotal (Transport Investment Projects					3,056.4*	2,098.4						

* The amount includes cost of projects in RIF Second Update (2019) but deleted/dropped in RIF Third Update (2020).

People's Republic of China

Investment Projects

No.	Project Title	Sub-sector	Description	Year of Approval	Cost Estimate (\$ million)		Potential Funding Source and Amount (\$ million)		Status Updates	Key Locations and GMS Economic Corridor Alignment	Expected/Planned Measurable Outputs	Project Contact
					Second Progress Report (2019)	2020 Updates (if any)	Second Progress Report (2019)	2020 Updates (if any)				
6	Dali-Ruili Railway	Rail	This 330km railway from Dali to Ruili via Baoshan is connected with the Guangtong-Dali Railway, and is an important section of the western route of the Singapore-Kunming Rail Link (SKRL). It is essential for the completion of the SKRL's western route and for the establishment of the Third Asia-Europe Continental Land Bridge. The line will be Class I, electrified, and with a maximum speed of 140 km per hour (km/h) for passenger trains.	2006	4,008.0	4,008.0	Government of the PRC—4,008.0	Government of the PRC—4,008.0	<p>Ongoing. The adjustment of feasibility study was approved in 2014 by the NDRC and the estimated cost is \$4008 million.</p> <p>The Dali-Baoshan section started in June 2008. As of June 2019, an accumulative investment of around \$730 million had been fulfilled, with basically all the roadbed and bridges, as well as 83% of tunnels of the section completed.</p> <p>The Baoshan-Ruili section commenced in December 2015 and is progressing steadily. As of June 2019, an accumulative investment of around \$1,011 million had been fulfilled, with 48% of tunnels of the section completed.</p> <p>As of 2020 \$2,064 million of the total \$4,008 million has been completed.</p>	North-South Economic Corridor	330 kilometers of railway built	Mr. Xu Jun 13769117987

Continued on next page

Investment projects in RIF 2022 continued—People’s Republic of China

No.	Project Title	Sub-sector	Description	Year of Approval	Cost Estimate (\$ million)		Potential Funding Source and Amount (\$ million)		Status Updates	Key Locations and GMS Economic Corridor Alignment	Expected/Planned Measurable Outputs	Project Contact
					Second Progress Report (2019)	2020 Updates (if any)	Second Progress Report (2019)	2020 Updates (if any)				
									Subgrade completed by 2020; landscape construction will be completed by December 2021.			
7	Rehabilitation of the Ning'er-Ji-angcheng-Longfu road (part of Yunnan Pu'er Regional Integrated Road Network Development Project)	Roads and bridges	This 234 km road runs from Ning'er to the No.3 boundary marker (Longfu check point) along the border between PRC and Viet Nam, via Jiangcheng county. This road is an important route connecting southern Yunnan to Lao PDR and Viet Nam, and important, providing infrastructure to support trade and regional cooperation among the People's Republic of China (PRC), Lao People's Democratic Republic (Lao PDR), Myanmar, and Viet Nam.	2014	589.5 (Ning'er-Ji-angcheng-Longfu road 268.40)	589.5 (Ning'er-Ji-angcheng-Longfu road 268.40)	ADB—200.0 Government of the PRC—389.5	ADB—200.0 Government of the PRC—389.5	Ongoing. The project started in Oct 2016. An accumulative investment of \$120.22 million has been fulfilled, which accounts for 44.8% of total estimated investment. The subgrade construction will be completed by December 2020. The pavement and landscape construction is expected to be completed by December 2021.	North-South Economic Corridor	234 kilometers of roads to be constructed or rehabilitated	Mr. Yang Jie +86139879-57611 1015137548 @qq.com
8	Yuxi-Mohan Railway	Rail	This 507 km railway runs from Yuxi to Mohan via Xishuanbanna, linking with the Kunming-Yuxi Railway. Once it is connected to the railway currently under construction on the Lao PDR side, this route will be one of the most direct from the PRC to the Association of Southeast Asian Nations (ASEAN) countries. As a section of SKRL's middle route, this line is crucial to the establishment of an ASEAN-PRC Free Trade Agreement, the economic development of the GMS sub-region, and a modern integrated transport network. The line will be Class I, electrified, and with a maximum speed of 160 km/h for passenger trains; double track from Yuxi to Xishuangbanna.	2014	8,062.5	7,912.5	Government of the PRC—7,912.5 ADB—150.0	Government of the PRC—7,912.5	Ongoing. This project commenced in April 2016 and will open to traffic by 2021. As of June 2019, an accumulative investment of \$4,549.8 million had been fulfilled, with basically all roadbed and bridges on the section completed. 37 tunnels along the route were finished, accounting for around 64%	Yuxi to Mohan, Yunnan Province NSEC	507 kilometers of railway built	Mr. Dong Haoyong +86-10-51848407 China Railway Corporation (formerly Ministry of Railways)

Continued on next page

Investment projects in RIF 2022 continued—People’s Republic of China

No.	Project Title	Sub-sector	Description	Year of Approval	Cost Estimate (\$ million)		Potential Funding Source and Amount (\$ million)		Status Updates	Key Locations and GMS Economic Corridor Alignment	Expected/Planned Measurable Outputs	Project Contact
					Second Progress Report (2019)	2020 Updates (if any)	Second Progress Report (2019)	2020 Updates (if any)				
									of the total tunnel construction plan. ADB funding is cancelled. As of June 2020, a cumulative investment of \$6,052.14 million has been fulfilled.			
9	Jinghong-Daluo Expressway	Roads and Bridges	The project is an important part of the north-south corridor (Kunming-Daluo-Tachilek-Chiang Rai), and has already been incorporated into the PRC’s Planning for the National Expressway Network (G8512), including a total length of 104.88 km; 4 lanes; and the border control point at Menghai, the PRC. The existing road along the corridor links Daluo, the PRC; northern Myanmar; Tachilek, Myanmar; and Chiang Rai, Thailand. However, the road is in poor condition and in need of a renovation. The construction of a new road will improve transport connectivity among the PRC, Myanmar, and Thailand; and will boost the development of the economy, trade, tourism, etc. Meanwhile, the completed corridor will serve as a strong complement to the Kunming-Bangkok Highway, and will provide more options for the movement of people and cargo within the region.	2016	2,656.0	2,656.0	Government of the PRC	Government of the PRC	Proposed Planning for this project has already been completed under PRC’s Planning for the National Expressway Network (G8512). However, it has not yet been included in the thirteenth Five-Year Plan. Preliminary work for the project has already begun, with the feasibility study completed. According to the feasibility study report, the expressway is expected to be 4-lane (two-way), with a total length of 104.88km. Implementation has not started yet. Jinghong-Menghai section will commence in 2020.	Kunming-Daluo-Tachilek-Chiang Rai NSEC	See project description.	Mr. SHAN Hongjun Deputy Director General Department of International Cooperation Ministry of Transport nicole-hu837@hotmail.com

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Investment projects in RIF 2022 continued—People’s Republic of China

No.	Project Title	Sub-sector	Description	Year of Approval	Cost Estimate (\$ million)		Potential Funding Source and Amount (\$ million)		Status Updates	Key Locations and GMS Economic Corridor Alignment	Expected/Planned Measurable Outputs	Project Contact
					Second Progress Report (2019)	2020 Updates (if any)	Second Progress Report (2019)	2020 Updates (if any)				
*Not applicable	Viet Nam: Lao Cai-Hekou (4.7km) PRC: Hekou-Lao Cai (3km)	Rail	The proposal regarding Rail Link (SKRL main line)—is for a standard gauge track between the PRC and Viet Nam systems. Viet Nam is funding a feasibility study, and the PRC and Viet Nam are conducting bilateral discussions regarding the actual route and the points where the line would cross the border.	TBD	*Cost estimate listed under Viet Nam	*Cost estimate listed under Viet Nam	ADB	ADB	<p>Proposed. The Preliminary Report for the planning of Rail from Lao Cai to Ha Noi to Haiphong was finished in Jan 2018 by China and has already been submitted to Viet Nam.</p> <p>China invites Viet Nam to fill in the latest progress of the project.</p>	Lao Cai-Hekou NSEC		Mr. SHAN Hongjun Deputy Director General Department of International Cooperation Ministry of Transport nicole-hu837@hotmail.com
Subtotal (Transport Investment Projects: PRC)					15,316.0	15,166.0						

Lao People's Democratic Republic

Investment Projects

No.	Project Title	Sub-sector	Description	Year of Approval	Cost Estimate (\$ million)		Potential Funding Source and Amount (\$ million)		Status Updates	Key Locations and GMS Economic Corridor Alignment	Expected/Planned Measurable Outputs	Project Contact
					Second Progress Report (2019)	2020 Updates (if any)	Second Progress Report (2019)	2020 Updates (if any)				
10	Hongsai (Xayaboury)–Chomphet (Luang Prabang) Construction (114 km)	Roads and bridges	This road is part of the tourism corridor that includes Chiang Rai, Chiang Mai, Luang Prabang (Chiang Thong), and Vientiane. The section's construction will promote trade, investment, and tourism.	2015	90.0	56.0	NEDA Thailand—90.0	NEDA Thailand—56.0	Completed. Preliminary handover ceremony held on 5 August 2019	Hongsai, Xayaboury-Chomphet (Luang Prabang), NSEC Linked with NSEC	114 km road constructed	Department of Roads, MPWT, Mr. Soukhasaum, Project Coordinator, +856 20 97129695 dalasane@gmail.com
11	Vang Tao Border-Crossing Point	Border-crossing facilities	This facility between Vang Tao and Chong Mek along National Road (NR) 16 is one of the border-crossing points between southernmost Lao PDR and Thailand. The border-crossing facility does not meet the implementation requirements of the GMS Cross-Border Transport Facilitation Agreement (CBTA).	2013	15.0	15.0	Government of Lao PDR—15.0	Government of Lao PDR—15.0	Ongoing Progress to date is 82%. The project got postponed to 2019 budget. It is expected to be completed in the 1 st quarter of 2020.	Vang Tao, Lao PDR Chong Mek, Thailand Located about 45 km East from SEC on NR 16B or AH	Vang Tao and Chong Mek Border facility upgraded per GMS CBTA requirements	Champasack DPWT; Mr. Kittisack, +856 20 23657222 Kt_tisack@gmail.com
12	Vientiane–Boten Railway Project (414km)	Rail	The Vientiane–Boten Railway Project will connect the Chinese railway in the north of Lao PDR at the Chinese border to Vientiane and can potentially connect soon to the Thai rail line via Nong Khai in the near future. This standard gauge railway with a speed of 160 km/h to 200km/h for passenger train and 120 km/h for freight train will form part of the substantial 3,000 km Singapore–Kunming Rail Link.	2016	5,800.0	5,800.0	Government of the PRC—5,800.0	Government of the PRC—4,060.0 Government of the Lao PDR — 1,740.0	Ongoing. The overall progress up to June 2020 is 90% for fundamental construction.	Vientiane to Boten, NSEC	414 km railway constructed Reduce transport costs Increase people-to-people visits Enhance trade and promote cultural exchanges	Lao National Railway Company and Laos-China Railway project committee

Continued on next page

Investment projects in RIF 2022 continued—Lao People’s Democratic Republic

No.	Project Title	Sub-sector	Description	Year of Approval	Cost Estimate (\$ million)		Potential Funding Source and Amount (\$ million)		Status Updates	Key Locations and GMS Economic Corridor Alignment	Expected/Planned Measurable Outputs	Project Contact
					Second Progress Report (2019)	2020 Updates (if any)	Second Progress Report (2019)	2020 Updates (if any)				
13	Thana-laeng–Nong Khai Railway Extension Project (7.5 km)	Rail	The construction of section one, with support from NEDA, was completed in April 2016. The extension from Thanaleng to Vientiane Station (section 2) is ongoing.	2016	28.5	31.6 (994.6 THB at 1 USD= 31.45 THB forex)	NEDA Thailand—28.5	Government of Lao PDR and NEDA Thailand—31.6	Ongoing. Completed signing for contractor in June 2019. Construction overall progress as of June 2020 is 18.62% and expected completion in 2021.	Thanalaeng, Lao PDR to Nong Khai, Thailand NSEC	7 km of railway constructed from Thanalaeng, Lao PDR to Nong Khai, Thailand	Department of Railways, MPWT, Mr. Hinpphet, Project Coordinator, +586 20 55908179 hinlakhonvong@yahoo.com
14	NR13 Improvement and Maintenance Project (Vientiane to Phon Hong)	Roads and bridges	NR13 North (NR13N) connects Vientiane to the country’s northern provinces. Present and projected traffic demand requires an expansion of the road to four lanes in some sections and improvements in two other sections. The government has decided to start on the section of NR13N from Sikeut to Phon Hong, which totals 58 km. The project will be implemented using the Output- and Performance- Based Road Contracts (OPRC) approach.	2017	129.5	128.0	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	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—38.5	Ongoing. The Project was approved by Government of Lao PDR in August 2017, WB and NDF board in May 2018, and AIIB in July 2019. Contractor is Hubei Changjiang Road and Bridge Co., LTD from Wuhan, China. Construction started since March 2020 and physical work progress is estimated at 5% as of July 2020. The project experienced delays due to COVID-19 pandemic but expected to be on track and finish in 3 years.	Vientiane to Phon Hong Located on NSEC.	58 km road expanded to 4 lanes in some sections and improved in 2 other sections Key Outcomes: 1.Yielding economic benefits from reduced vehicle operating cost 2.Helping reduce traffic injury & fatality risks as well as enhancing safety of pedestrians 3.Road infrastructure which is more resilient to climate events	Department of Roads, MPWT Mr. Latsamy Aliyavongsing, Project Director +856 20 22205713 sithasali@gmail.com

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No.	Project Title	Sub-sector	Description	Year of Approval	Cost Estimate (\$ million)		Potential Funding Source and Amount (\$ million)		Status Updates	Key Locations and GMS Economic Corridor Alignment	Expected/Planned Measurable Outputs	Project Contact
					Second Progress Report (2019)	2020 Updates (if any)	Second Progress Report (2019)	2020 Updates (if any)				
15	The Capital City Vientiane to Vang Vieng Section of Lao PDR Capital City Vientiane to PRC Mohan Port Highway Project	Roads and bridges	The capital city Vientiane to Vang Vieng section of Lao PDR capital city Vientiane to PRC Mohan port highway project, about 113.5 kilometers long, the construction period is planned to be 3 years.	2017	1,300.8	1,300.8	PRC—1,300.8	PRC—1,300.8	Ongoing. Submitted by PRC on 16 October 2019 as a supplementary project. Construction progress is at 75% and expected to be completed in December 2020.	Vientiane, Lao PDR	113.5 kilometers long highway from capital city Vientiane to Vang Vieng built	Yunnan Infrastructure Investment Co., Ltd of YCIH.Zhou
*Not applicable	Mekong Bridge at Bungkan-Paksan (with Thailand)	Roads and bridges	The bridge will facilitate the transport of goods and passengers from northeastern Thailand through central Lao PDR and central Viet Nam via NR8. Lao PDR cost estimate is \$45.0 million for the Lao PDR part.	2018	*Cost estimate listed under Thailand to avoid double counting	*Cost estimate listed under Thailand to avoid double counting	NEDA Thailand	NEDA Thailand	Ongoing. Agreement on construction has been signed on June 2019. Loan is expected to be approved in the beginning of September 2019. Construction will commence in mid-2020 and expected to be completed in mid-2023.	Bungkan Province, Thailand and Bolikhamxay Province, Lao PDR NSEC Located in a close proximity to NSEC	Outputs listed under Thailand to avoid double counting	Department of Roads, MPWT, Mr. Laythong, Project Director +856 20 59885599 lphommavong@gmail.com
16	Luang Namtha–Xiengkok–Lao–Myanmar Friendship Bridge (NR17)	Roads and bridges	NR17 starts from Luang Namtha town, in Luang Namtha Province, passes through Muang Sing and Muang Long, and connects with the Lao–Myanmar Friendship Bridge, in Xiengkok. This road is part of the ASEAN–India transport corridor. This section also falls in the North East–West Transport Corridor, or ASEAN Highway (AH) 13.	2020	150.0	167.0	Under Lao-India Cooperation Framework for financing	Government of India—167.0	Ongoing. Soft Loan from Indian Government.	Luang Namtha to Xiengkok NSEC	TBD	Department of Roads, MPWT Mr. Bouachanh, DDG, obouachanh@yahoo.com

Continued on next page

Investment projects in RIF 2022 continued—Lao People’s Democratic Republic

No.	Project Title	Sub-sector	Description	Year of Approval	Cost Estimate (\$ million)		Potential Funding Source and Amount (\$ million)		Status Updates	Key Locations and GMS Economic Corridor Alignment	Expected/Planned Measurable Outputs	Project Contact
					Second Progress Report (2019)	2020 Updates (if any)	Second Progress Report (2019)	2020 Updates (if any)				
17	Mekong Bridge at Luang Prabang	Roads and bridges	The project will develop a tourism corridor between the Lao PDR and Thailand, in particular from Chiang Rai to Chiang Mai, Luang Prabang, and the capital city, Vientiane. The road project from Muong Ngeune to Luang Prabang, which crosses the Mekong Bridge at Luang Prabang, is part of this initiative.	2020	TBD after an FS	Not available	NEDA Thailand	NEDA Thailand—(amount not available)	Ongoing. Consulting team has commenced an FS and DD with support from NEDA in August 2019. Approval process is ongoing.	NSEC	TBD	Department of Roads, MPWT Mr.Phonphana phommala, phonphanaph@gmail.com
18	Upgrading 13S (portion from Savannakhet Province to Bolikhamxay) (253 km)	Roads and bridges	This will link the East–West Economic Corridor (EWEC), also known as NR9 (or AH16), and the two newly established economic corridors: NR12 (or AH131) and NR8 (or AH15). It will also provide the foundation for a connection between the Kunming–Luang Prabang–Vientiane–Paksan–Thakhek–Savannakhet stretch of the North–South Economic Corridor (NSEC) and connecting Cambodia, up to Savannakhet, via the Southern Economic Corridor (SEC).	2020	200.0	200.0	WB—25.0 AIB—114.0 EIB—35.0 NDF—5.0 Government of Lao PDR—15.0	WB—25.0 AIB—114.0 EIB—35.0 NDF—5.0 Government of Lao PDR—15.0	Ongoing A portion from Vientiane Capital KM 21 to Khammouane Province KM 346 with OPBCR Investment Option.	Joining of NSEC, EWEC & SEC	325 km of NR13 S or AH11. Improvement and maintenance the existing alignment with some widening section. Concrete and Asphalt Concrete Overlaying	Department of Roads, MPWT Mr. Bouachanh, DDG, obouachanh@yahoo.com
19	Xiengkong River Port	Ports and waterways	Xiengkong, in Luang Namtha Province, is located on the Mekong River, and is a suitable location for a river port. Under the quadrilateral Lancang–Upper Mekong River Commercial Navigation Agreement (PRC, Lao PDR, Myanmar, and Thailand), Xiengkong River Port will be a checkpoint for downstream river traffic from the PRC to the Chiang Saen Port, in Thailand. The port will be equipped with cargo handling equipment, immigration and customs offices, and warehouses.	2020	15.0	15.0	Government of the PRC	Government of the PRC	Proposed Construction Agreement has been signed with a Chinese firm since 2015. Fund mobilization is expected in the beginning of 2020. MPWT requested a loan to the Chairman of the Lao–China Cooperation Committee on 5/6/2020	North of Laos, NSEC	Port will be equipped with cargo handling equipment, immigration and customs offices, and warehouses	Department of Waterways, MPWT Mr. Soukhasum, Project Coordinator, +856 20 97129695 dalasane@gmail.com

Continued on next page

Investment projects in RIF 2022 continued—Lao People’s Democratic Republic

No.	Project Title	Sub-sector	Description	Year of Approval	Cost Estimate (\$ million)		Potential Funding Source and Amount (\$ million)		Status Updates	Key Locations and GMS Economic Corridor Alignment	Expected/Planned Measurable Outputs	Project Contact
					Second Progress Report (2019)	2020 Updates (if any)	Second Progress Report (2019)	2020 Updates (if any)				
20	Thanaleng Border-Crossing Infrastructure Improvement Project	Border-crossing facilities	The existing Thanaleng border crossing operates restrictively and inefficiently for both passenger and freight traffic, and this will become more severe as daily freight traffic grows beyond the present 300 trucks and 1,000 passenger cars and buses. There is also an urgent need to separate freight traffic from passenger traffic, and to significantly upgrade the road and other infrastructure.	TBD	25.0	25.0	Seeking financing	TBD	Proposed. Only minor improvement and rearrangement carried out by the border-crossing Committee budget. Proposing ADB to provide a study support in order to meet the standard under CBTA requirement like SSI Operation.	Thanaleng, Lao PDR (border with Nong Khai, Thailand) NSEC	Thanaleng Border-Crossing Infrastructure improved	Mr. Visara Khamvongsa, Technical Officer Department of Planning and Cooperation, MPWT visara.khamvongsa@gmail.com
21	Upgrading of NR8 East-West Transport Route; ASEAN Highway AH15 (Ban Lao-Nam Phao)	Roads and bridges	NR8 branches off from NR13S at Ban Lao, passing through the districts of Khamkeut and Lak Sao before reaching the Lao PDR-Viet Nam border crossing point at Nam Phao-Cau Treo. After the point, it connects to Cua Lo seaport, in the city of Vinh, Viet Nam. The road does not meet ASEAN standards, but this portion of the road has been slated for upgrading under the Master Plan on ASEAN Connectivity.	TBD	80.0	196.0	The Korea International Cooperation Agency (KOI-CA) supported the feasibility study and WB is developing a pre-FS.	The Korea International Cooperation Agency (KOI-CA) supported the feasibility study and WB is developing a pre-FS.	Proposed. Final FS Report has been completed and presented to the Lao Govt in June 2018. It has been selected as Initial Pipeline for Implementation of ASEAN Connectivity, and WB expert team are developing a Pre-FS and a financing options analysis for the Project.	NSEC	NR8 East-West Transport Route; ASEAN Highway AH15 upgraded to ASEAN standards	Department of Roads, MPWT Mr. Bouachanh, DDG, obouachanh@yahoo.com
22	Luang Prabang-Dien Bien Phu (107 km - section Phu Thit Pheung - Na Sone/Lao-Vietnam Border)	Roads and bridges	Luang Prabang and Dien Bien Phu are both historic sites and tourist attractions. Providing road connections will promote tourism between the two countries.	TBD	90.0	90.0	Government of Viet Nam	Government of Viet Nam	Proposed. Discussions with Viet Nam are ongoing.	Luang Prabang, Lao PDR - Dien Bien Phu, Viet Nam NSEC	110 km of road constructed	Department of Roads, Mr Seng Viong, +85620294 00954, sengmpwt98@gmail.com

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Investment projects in RIF 2022 continued—Lao People’s Democratic Republic

No.	Project Title	Sub-sector	Description	Year of Approval	Cost Estimate (\$ million)		Potential Funding Source and Amount (\$ million)		Status Updates	Key Locations and GMS Economic Corridor Alignment	Expected/Planned Measurable Outputs	Project Contact
					Second Progress Report (2019)	2020 Updates (if any)	Second Progress Report (2019)	2020 Updates (if any)				
23	Phiafay–Attapeu: NR18A (106 km) (Parts of AH 132) East–West Transport Route	Roads and bridges	NR18 comprises NR18A and NR18B. NR18A branches off in Phiafay, starting from the junction with NR13S, and ending in Muong Samakheexay, the capital of Attapeu Province. NR18B starts from Muong Samakheexay and passes through the Lao PDR–Viet Nam border-crossing point at Phou Kuea - Beu Ee.	2020	130.0	130.0	The Netherlands Government (RVO & FMO) funded technical and project costing	The Netherlands Government (RVO & FMO) funded technical and project costing	Proposed Completed a technical and project costing negotiation in Feb 2019. MOF will further work on loan request.	Attapeu Province, Lao PDR to Beu Ee, Viet Nam SEC	TBD	Department of Roads, MPWT Mr. Bouachanh, DDG, obouachanh@yahoo.com
24	Vientiane–Thakhek–Mu Gia Railway Project (452 km) Mu Gia–Vung Ang (103 km)	Rail	The Vientiane–Thakhek–Mu Gia Railway Project covers a portion of the spurline of the SKRL. This spurline will connect the Thai railway network to the Vietnamese railway network. The Republic of Korea assisted with a feasibility study.	2020	6,025.0	TBD	Seeking financing for possible PPP	Seeking financing for possible PPP	Proposed. Govt. to allow a Lao PDR private sector to review FF involving in PPP investment (section Thakhek, Laos - Mugia, Vietnam (Border)) KOICA provided a TA for a follow-up service to FS conducted earlier. Under negotiation to be implemented as a PPP project.	Vientiane–Thakhek–Mu Gia, Lao PDR to Vung Ang, Viet Nam NSEC	452 km railway constructed 1.Promoting economic growth by securing railway lines for export and import 2.Creating employment by establishing mass transportation system 3. Promoting tourism industry by developing leisure sports industry	Department of Railways, MPWT, Mr. Ketsana, Project Coordinator, +856 20 22588889 ketsanasouk.khamthath@rocketmail.com

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Investment projects in RIF 2022 continued—Lao People’s Democratic Republic

No.	Project Title	Sub-sector	Description	Year of Approval	Cost Estimate (\$ million)		Potential Funding Source and Amount (\$ million)		Status Updates	Key Locations and GMS Economic Corridor Alignment	Expected/Planned Measurable Outputs	Project Contact
					Second Progress Report (2019)	2020 Updates (if any)	Second Progress Report (2019)	2020 Updates (if any)				
25	Savanna-khet– Lao Bao Railway Project (220 km)	Rail	The Government of the Lao PDR is seeking financing for FS to develop the Savannakhet–Lao Bao Railway Project as a build–own– operate–transfer (BOOT) scheme.	2020	4,200.0	TBD	Seeking Financing for FS	Seeking Financing for FS	Proposed. Restructuring process is ongoing.	Savannakhet, Lao PDR to Lao Bao, Viet Nam EWEC	220 km railway constructed	Department of Railways, MPWT, Mr. Ketsana, Project Coordinator, +586 20 22588889 ketsanasouk khamthath@rocketmail.com
26	Dak Chung Border-Crossing Point (NR16)	Border-crossing facilities	These facilities are located at the Lao PDR–Viet Nam border-crossing points on NR16 in Sekong Province. The existing border-crossing facilities do not meet the implementation requirements of the GMS CBTA.	2020	10.0	10.0	Seeking Financing	Seeking Financing	Proposed.	Sekong Province, Lao PDR SEC	Dak Chung Border-Crossing facilities upgraded to meet GMS CBTA requirements	Mr. Visara Khamvongsa, Technical Officer Department of Planning and Cooperation, MPWT visara.khamvongsa@gmail.com
27	Houei Sai River Port	Ports and waterways	As inland transport is becoming more important, especially for tourism, building this river port is necessary.	2020	13.0	13.0	Seeking Financing	NEDA Thailand	Proposed. Discussed with Thai side for a possible upgrade to international border check point in JCCN framework.	Houei Sai, Lao PDR NSEC	Huuei Sai river port built	Mr. Visara Khamvongsa, Technical Officer Department of Planning and Cooperation, MPWT visara.khamvongsa@gmail.com

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Investment projects in RIF 2022 continued—Lao People’s Democratic Republic

No.	Project Title	Sub-sector	Description	Year of Approval	Cost Estimate (\$ million)		Potential Funding Source and Amount (\$ million)		Status Updates	Key Locations and GMS Economic Corridor Alignment	Expected/Planned Measurable Outputs	Project Contact
					Second Progress Report (2019)	2020 Updates (if any)	Second Progress Report (2019)	2020 Updates (if any)				
28	Pakbeng River Port (Oudomxay Province)	Ports and waterways	The town of Pakbeng is situated on the Mekong River, on NR2. It is also on the border between Sayabouly and Oudomxay provinces, at the midpoint between Bokeo and Luang Prabang. As inland transport is becoming more important, especially for tourism, building this river port is necessary.	2020	13.0	13.0	Government of the PRC	Government of the PRC	Proposed. Construction Agreement has been signed with a Chinese firm since 2015. Fund mobilization is expected in 2020. MPWT requested a loan to the Chairman of the Lao-China Cooperation Committee on 5/6/2020	Pakbeng, Oudomxay Province Lao PDR NSEC	TBD	Department of Waterways, MPWT Mr. Soukhasum, Project Coordinator, +856 20 97129695 dalasane@gmail.com
29	Khokchong River Port (same as Luang Prabang River Port)	Ports and waterways	Inland water transport traffic between Bokeo and Luang Prabang, in terms of goods and passengers, is growing steadily. There is an urgent need to construct a good river port in Luang Prabang that will have the necessary handling equipment and warehouses.	2020	15.0	15.0	Government of the PRC	Government of the PRC	Proposed. Construction Agreement has been signed with a Chinese firm since 2015. Fund mobilization is expected in 2020. MPWT requested a loan to the Chairman of the Lao-China Cooperation Committee on 5/6/2020	Luang Prabang, Lao PDR NSEC	TBD	Department of Waterways, MPWT Mr. Soukhasum, Project Coordinator, +856 20 97129695 dalasane@gmail.com
30	Vientiane–Ha Noi Expressway Project (Portion from Vientiane to Nam On: 335 km)	Roads and bridges	This is the first expressway project linking the two capitals, and it is the top priority project under the Lao PDR and Viet Nam national investment plans.	2020	4,250.0	4,250.0	JICA	JICA	Proposed. Preliminary data collection completed in April 2018. Request for a further study from JICA on the best alignment option in Lao side.	Closely parallel with NSEC	335 km Expressway from Vientiane to Ha Noi constructed	Department of Roads, MPWT Mr. Phonphana phommala, phonphanaph@gmail.com

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Investment projects in RIF 2022 continued—Lao People’s Democratic Republic

No.	Project Title	Sub-sector	Description	Year of Approval	Cost Estimate (\$ million)		Potential Funding Source and Amount (\$ million)		Status Updates	Key Locations and GMS Economic Corridor Alignment	Expected/Planned Measurable Outputs	Project Contact
					Second Progress Report (2019)	2020 Updates (if any)	Second Progress Report (2019)	2020 Updates (if any)				
31	New Highway Construction Project (Boten, Luang Namtha Province, Lao PDR to Houay Xai, Bokeo Province, Lao PDR)	Roads and bridges	The highway starts at Boten port (opposite to Mohan port, PRC), via Luang Namtha Province, Luang Namtha, Bokeo Province, Houay Xai, and stop at Houay Xai port (opposite to Chiang Khong port, Thailand), about 181 kilometers long.	2020	3,600.0	3,600.0	TBD	Private Sector (BOT scheme)	Proposed. Feasibility study is being undertaken. Submitted by PRC on 16 October 2019 as supplementary project.	Boten, Luang Namtha Province Houay Xai, Bokeo Province Lao PDR NSEC	181 kilometers highway built from Boten to Houay Xai	Department of Roads, Mr Xayasonone Xongyongya, +856205594 1999, sungyan-song@gmail.com
Subtotal (Transport Investment Projects: Lao PDR)					26,411.4*	16,055.4						

* The amount includes cost of projects in RIF Second Update (2019) but deleted/dropped in RIF Third Update (2020).

Myanmar

Investment Projects

No.	Project Title	Sub-sector	Description	Year of Approval	Cost Estimate (\$ million)		Potential Funding Source and Amount (\$ million)		Status Updates	Key Locations and GMS Economic Corridor Alignment	Expected/Planned Measurable Outputs	Project Contact
					Second Progress Report (2019)	2020 Updates (if any)	Second Progress Report (2019)	2020 Updates (if any)				
*Not applicable	Mae Sot-Myawaddy Border Crossing Project and Infrastructure Improvements (with Thailand)	Border crossing facilities	The project involves a new by-pass road and bridge to the north of the existing border crossing at Mae Sot (Thailand)-Myawaddy (Myanmar), which is in the congested area between the two cities. This new crossing will be dedicated to cross-border freight traffic. The bypass will link up with a newly envisioned special trade zone in Myanmar. The overall project will include about 16.9 km of a new four-lane divided highway (13.3 km in Thailand; 3.6 km in Myanmar), a 100-meter-long bridge across the Moei River at the border, and associated border-crossing facilities.	2015	*Cost estimate and count of project is listed under Thailand to avoid double counting	*Cost estimate and count of project is listed under Thailand to avoid double counting	Government of Thailand	Government of Thailand	Completed.	Kayin State, Myanmar EWEC	New 4 lanes on border line	U Kyaw Kaung Cho, Chief Engineer, Department of Bridge, Ministry of Construction +95 67 407465 kkcho73@gmail.com
32	East-West Economic Corridor Eindu-Kawkareik Road Improvement Project	Roads and bridges	The project will improve 66.4 km of road between Eindu and Kawkareik. It is in Myanmar's Kayin State, which borders on Thailand.	2016	121.8	121.8	ADB—100.0 ASEAN Infrastructure Fund—20.0 Government of Myanmar—1.8	ADB—100.0 ASEAN Infrastructure Fund—20.0 Government of Myanmar—1.8	Ongoing. As ICB-1 the length of road from 0+000 km to 40+440 km, the bridges and culvert on that road are being implemented and the completion of the whole project is 80%resulted from the end of June 2020	Kayin State, Myanmar EWEC	66.4 km of upgraded road	Mehm Banya Htaw, Assistant Director (Civil) Department of Highways 09794188649, Banyah taw2009@gmail.com

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Investment projects in RIF 2022 continued—Myanmar

No.	Project Title	Sub-sector	Description	Year of Approval	Cost Estimate (\$ million)		Potential Funding Source and Amount (\$ million)		Status Updates	Key Locations and GMS Economic Corridor Alignment	Expected/Planned Measurable Outputs	Project Contact
					Second Progress Report (2019)	2020 Updates (if any)	Second Progress Report (2019)	2020 Updates (if any)				
									As ICB-2 the length of road from 42+160 km to 66+455 km, the bridges and culvert on that road are being implemented and the completion of the whole project is 71% resulted from the end of June 2020.			
33	GMS EWEC Corridor Improvement I and II	Roads and bridges	The bridges and expenditure amounts involved in this project are: Attran Bridge (\$68.25million), Gyaing (Kawkareik) Bridge (\$122.86 million), Gyaing (Zathapyin) Bridge (\$129.11 million), and Sittaung (Kyaikhto) Bridge (\$180.7million, proposed for approval in 2020).	2017	550.2	550.2	JICA-550.2	JICA-550.2	Ongoing Gyaing (Kawkareik) Bridge Contract Agreement completed and Starting the Project. Gyaing (Zathapyin) Bridge and Attran Bridge are under process of selection of contractor Conducting Feasibility Study for Sittaung (Kyaikhto) Bridge	Mon State Kayin State EWEC	Four new 4-lane Bridges	U Thein Myint Mon, Chief Engineer, Department of Bridge, Ministry of Construction +95 067407514

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Investment projects in RIF 2022 continued—Myanmar

No.	Project Title	Sub-sector	Description	Year of Approval	Cost Estimate (\$ million)		Potential Funding Source and Amount (\$ million)		Status Updates	Key Locations and GMS Economic Corridor Alignment	Expected/Planned Measurable Outputs	Project Contact
					Second Progress Report (2019)	2020 Updates (if any)	Second Progress Report (2019)	2020 Updates (if any)				
34	Thaton–Payagyi Road Improvement Project	Roads and bridges	The expected components of this 151 km, two-lane road improvement project will primarily consist of road repairs and upgrading along most of the road's length, with major reconstruction and widening of the road sections running through the towns of Bilin, Kyaikto, and Payagyi, including a possible grade-separated interchange with NR1 at Payagyi.	2018	128.0	128.0	Private Sector (BOT System)—128.0	Private Sector (BOT System)—128.0	Ongoing Local BOT company is undergoing that road section to be 10.97- 14.63m width according to the existing road alignment. It needs to implement by pass roads such as Thaton, Kyaikto, Kyaikaw, Theinsait and repair geometric design in some segment for transport facilitation.	Mon State & Bago Region Myanmar. EWEC	151 km of upgraded road	Daw Thazin Khin Maung San Assistant Director BOT Section, Department of Highways 09-420724199 botsection@gmail.com
35	Daluo (PRC)–Tachilek (Myanmar) Highway	Roads and bridges	This project involves the improvement of an existing highway that is a part of the GMS NSEC (and of the Asian and ASEAN highways) in Myanmar, linking with the PRC to the north and Thailand to the south. This highway is also one of the major border trade routes between Myanmar and Thailand via Tachileik. The improvement will consist of upgrading the Kyaington–Mongla section (93 km) of this highway to ASEAN Class II standards.	2018	93.0	93.0	Public Private Partnership (BOT System) (156.8km) Department of Highways (87.5km)	Public Private Partnership (BOT System) (156.8km) Department of Highways (87.5km)	Ongoing Ministry of Construction is undergoing Minelar–Kengtung road section (3.66 – 6.7 m) and local BOT company is undertaking Kengtung – Tachileik road section (9.14 m). It needs to repair geometric design in some segment for transport facilitation.	Eastern Shan State. NSEC	87.51 km of upgraded Mongla –Kyaington road 156.8 km of upgraded Kyaington–Tachileik road	U Myint Oo Director, Road Design Section Department of Highway 09-2039482 myintoopak-okku@gmail.com

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Investment projects in RIF 2022 continued—Myanmar

No.	Project Title	Sub-sector	Description	Year of Approval	Cost Estimate (\$ million)		Potential Funding Source and Amount (\$ million)		Status Updates	Key Locations and GMS Economic Corridor Alignment	Expected/Planned Measurable Outputs	Project Contact
					Second Progress Report (2019)	2020 Updates (if any)	Second Progress Report (2019)	2020 Updates (if any)				
36	Bridge on the Kyaing-ton-Lyainglin-Taunggyi Road (AH2)	Roads and bridges	<p>The service life of the Tarkaw (Thanlwin) Bridge (bank- to-bank 900 feet) is about 40 years, and its load capacity is only HS-20.</p> <p>A new bridge of four lanes with an HS-25 load capacity has been proposed. The type of bridge will be specified after the feasibility study.</p>	2018	15.8	15.8	Government of Myanmar-15.8	Government of Myanmar-15.8	<p>Ongoing</p> <p>F.S completed in March 2018. Bridge is under construction using FY 2018–2019 Myanmar Government budget.</p>	Eastern & Southern Shan State, Myanmar. NSEC	A new bridge with capacity of HS-25.	U Kyaw Thu, Chief Engineer, Department of Bridge, Ministry of Construction +95 067407276 Email: irsectionl@gmail.com
37	GMS Highway Modernization Project`	Roads and bridges	<p>The project will improve transport conditions along Myanmar’s East-West Economic Corridor (EWEC) and North-South Economic Corridor (NSEC) by (i) improving about 99 km of Bago-Thanyin highways, (ii) improving of the 64 km of Yangon-Mandalay Expressway from No.3 Junction to Bawnatgyi Junction and the safety improvement of the YME, and (ii) preparing detailed designs for other highway projects, also along GMS corridors.</p>	2018	202.1	202.1	ADB-200.0 Government of Myanmar-2.1	ADB—194.7 Government of Myanmar-7.4	<p>Ongoing</p> <p>Highway Modernization Project was approved Hluttaw on 26.3.2018. ADB and MOPF negotiated the loan on 3 Oct 2018.</p> <p>Loan signing date was on 28 Dec 2018.</p> <p>Loan effective date was on 25 Feb 2019..</p> <p>CS-1 Consultant is preparing detailed designs.</p> <p>CS-2 Consultant is under recruiting.</p>	Yangon Region, Mandalay Region Bago Region & Ayeyawaddy Region, Myanmar EWEC & NSEC	64 km of Yangon-Mandalay Expressway improved 99 km of Bago- Thanlyin road upgraded Detailed engineering designs prepared for the improvement of Yangon-Pathein Highway (165 km) and new highway alignment between Bago and Kyaikto (70km)	Dr Zin Zin Htike Deputy Director(Civil) Department of Highways 09-5058066 mazinzhhtike@gmail.com

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Investment projects in RIF 2022 continued—Myanmar

No.	Project Title	Sub-sector	Description	Year of Approval	Cost Estimate (\$ million)		Potential Funding Source and Amount (\$ million)		Status Updates	Key Locations and GMS Economic Corridor Alignment	Expected/Planned Measurable Outputs	Project Contact
					Second Progress Report (2019)	2020 Updates (if any)	Second Progress Report (2019)	2020 Updates (if any)				
38	Improvement of Six Inland Ports	Ports and waterways	<p>The project includes the establishment of six inland ports along the Ayeyarwady and Chindwin rivers. The feasibility study for Mandalay Port was completed in February 2014. To construct Mandalay port, the government got Grant Aid from JICA. The total implementation cost for Mandalay Port is 53.644 million USD, and the estimated implementation time is about 2 years.</p> <p>The remaining five inland ports are proposed to implement with Public Private Partnership(PPP).</p> <p>Updated cost estimate breakdown:</p> <p>Mandalay Port: 53.644 Bhamo Port: 44.434 Pakokku Port: 46.937 Magway Prot: 33.487 Monywa Port: 44.434 Kalewa Port: 24.338 Total for Six Port: 236.505</p>	2018 TBD TBD TBD TBD TBD	236.6	236.5	JICA, Private Sector, KOICA, PPP	JICA, PPP	<p>Ongoing. For Mandalay Port, construction of port, access bridges and access roads (civil works) already signed with “Tobishima Corporation” of Japan. Implementation of Mandalay Port will start in October 2020.</p> <p>Bhamo, Pakokku, Magway, Monywa and Kalewa inland ports are already submitted to NECC (National Economic Cooperation Committee) to include the Project Bank lists of Myanmar.</p>	Mandalay Region, Chin State, Sagaing Region, Magway Region, NSEC	Inland port facilities will be upgraded and water way transportation mode will be improved	U Toe Aung Lin, Director and U Aung Myo Khaing, Director, Directorate of Water Resources and Improvement of River System +95 9 791370105 +95 9 5150213 kotoegy.i.dwir5@gmail.com; aungmyokhaing.77@gmail.com
39	Second GMS Highway Modernization Oject (formerly Bago-Kyaikto Road)	Roads and bridges	<p>The project entails a new highway alignment on an extension of the EWEC, between Bago and Kyaikto, in order to provide easier access to Thilawa SEZ. The goal is to achieve a safer and more efficient movement of goods and people along the GMS EWEC and NSEC in Myanmar.</p> <p>The project will (i) develop a new four lane arterial expressway between Bago (Bago Region) and Kyaikto (Mon State) (Bago-Kyaikto expressway) of about 62 kilometers (km), along the Greater Mekong</p>	2020	164.3	483.8	ADB-164.3	ADB-483.8	<p>Proposed. The Project is proceeding for Hluttaw approval.</p>	Bago Region and Kayin Mon State EWEC	62 km new arterial highway between Bago and Kyaikto	Dr. Zin Zin Htike, Deputy Director (Civil), Department of Highways 09-5058066 mazinhtike@gmail.com

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Investment projects in RIF 2022 continued—Myanmar

No.	Project Title	Sub-sector	Description	Year of Approval	Cost Estimate (\$ million)		Potential Funding Source and Amount (\$ million)		Status Updates	Key Locations and GMS Economic Corridor Alignment	Expected/Planned Measurable Outputs	Project Contact
					Second Progress Report (2019)	2020 Updates (if any)	Second Progress Report (2019)	2020 Updates (if any)				
			Subregion (GMS) East West Economic Corridor (EWEC); (ii) build government's capacity to develop and manage expressways meeting international standards; and (iii) ensure road safety in Bago-Kyaikto corridor.									
40	Upgrading of Mawlamyine – Dawei – Hteekhee Rail Link (452.58 km)	Rail	Mawlamyine-Dawei railway section (310.58 km) was constructed during 1994–1998. It is one of the most important branch lines of Myanmar Railways, not only for local railway transport but also for its link to Thailand and the ASEAN railway network. This project will improve railway transport for passengers and freight. This railway line is a part of the Trans-Asian Railway (TAR) southern corridor in Myanmar. It will be linked with the new Dawei-Hteekhee line as a proposed spur line of the Singapore– Kunming Rail Link (SKRL) to Thailand.	2020	TBD	TBD	ADB NEDA Thailand	ADB NEDA Thailand	Proposed. Upon further consideration and existing border trade development situation, it was found that choosing one of three alternate Railway Links would be more advantageous to both of Myanmar and Thailand in GMS Region, namely; (a) a missing link from Thanphyuzayat- Three Pagodas Pass (110 km in Myanmar side) to Nank Toke (Thailand); (b) a missing link from Thahton-Hpaan-Myawaddy (190 km in Myanmar side) to Maesot (Thailand) (c) a missing link from Dawei – Htiikee (142 km in Myanmar side) to Kanchanaburi (Thailand)	Mon State Tanintharyi Region SEC	Upgraded Rail Link and New spur line	Deputy General Manager (Planning) Planning & Administration Department, Myanmar Railways +95 67 77084 dgm.planning_mr@gmail.com

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Investment projects in RIF 2022 continued—Myanmar

No.	Project Title	Sub-sector	Description	Year of Approval	Cost Estimate (\$ million)		Potential Funding Source and Amount (\$ million)		Status Updates	Key Locations and GMS Economic Corridor Alignment	Expected/Planned Measurable Outputs	Project Contact
					Second Progress Report (2019)	2020 Updates (if any)	Second Progress Report (2019)	2020 Updates (if any)				
									During the joint session of 13th Mekong – Japan industry and Government Dialogue and the 1st Meeting of 2020 AMEICC working group on West – East Corridor Development (WEC-WG), Myanmar side highlighted the above situation and proposed as prioritized project to get the Technical Assistance under Mekong Industrial Development Vision 2.0 (MIDV 2.0).			
41	Loilem–Kyaington Road Section (356km) (GMS Road Section of R7 and Secondary Road of Corridor)	Roads and bridges	This is the road section of GMS route R7 and of the Asian and ASEAN highways. It will link with the NSEC and the Northern Economic Corridor as a secondary road. It must be upgraded to ASEAN Class III standards.	TBD	359.0	359.0	TBD	TBD	Proposed	Eastern and Southern Shan State, Myanmar. NSEC	356 km of upgraded road	U Myint Oo, Director, Road Design Section Department of Highways 09-2 039482 myintoopak-okku@gmail.com

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Investment projects in RIF 2022 continued—Myanmar

No.	Project Title	Sub-sector	Description	Year of Approval	Cost Estimate (\$ million)		Potential Funding Source and Amount (\$ million)		Status Updates	Key Locations and GMS Economic Corridor Alignment	Expected/Planned Measurable Outputs	Project Contact
					Second Progress Report (2019)	2020 Updates (if any)	Second Progress Report (2019)	2020 Updates (if any)				
42	Ruili (PRC)–Kyaukpyu (Myanmar) Highway	Roads and bridges	<p>The road will promote connectivity between the PRC and Myanmar and will improve the region's road network overall. The PRC and Myanmar have already had some technical discussions concerning the project.</p> <p>(1) Mandalay-Tigyaing Expressway Mandalay-Tigyaing Expressway is an important part of the main trunk line of north-south high-way in Myanmar and it is also the main axis of road network of the east-west direction “Chi-na-Myanmar-India” International Corridor in the future development plan of Myanmar. With the new round of planning by the Myanmar government, and in order to meet the future development and strategic needs, to promote the economic development and social stability along the project and improve road capacity and comfort, it is imperative that Myanmar needs to extend the existing Yangon-Mandalay Highway northwards, thus forming a national north-south transport corridor. Heading east from Tigyaing, it passes northern Shan State and southern Kachin State, spans mountainous areas along Shweli River and leads to Muse, an important trade port at China-Myanmar border. Heading west from Tigyaing, it connects the existing Mandalay-Myitkyina Road and may head west to Myanmar-India border in the future.</p>	TBD	2,153.8	2,153.8	Private Sector (China Haour Engineering Co.Ltd [CHEC])	Private Sector (China Haour Engineering Co.Ltd [CHEC])	<p>Proposed. It has already signed MoU with CHEC which was recommended by China Embassy and MOFA. Feasibility Study is ongoing and expected to finish in April 2020.</p> <p>Project implementation will be processed after the FS report.</p> <p>Expected year of commencement: 2022</p> <p>Expected year of completion: 2028</p>	Northern Shan State, Mandalay Region, Nay Pyi Taw, Magway Region & Rakhine State. NSEC (NSEC 5 and NSEC 6)	New alignment construction and /or upgrading of the following: a) Mandalay-Tigyaing Expressway- 219 kilometers b) Tigyaing-Muse Expressway-190 kilometers c) Nay Pyi Taw – Kyaukphyu Highway-262 kilometers	U Myint Oo Director, Road Design Section Department of Highway 09 2039482 myintoopak-okku@gmail.com

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Investment projects in RIF 2022 continued—Myanmar

No.	Project Title	Sub-sector	Description	Year of Approval	Cost Estimate (\$ million)		Potential Funding Source and Amount (\$ million)		Status Updates	Key Locations and GMS Economic Corridor Alignment	Expected/Planned Measurable Outputs	Project Contact
					Second Progress Report (2019)	2020 Updates (if any)	Second Progress Report (2019)	2020 Updates (if any)				
			<p>(2) Tigyaing–Muse Expressway Tigyaing–Muse Expressway is an important part of the main trunk line of east–west– highway in Myanmar and it is also the main axis of road network of the east–west direction “China–Myanmar–India” International Corridor in the future development plan of Myanmar. Meanwhile, this project is connected with Mandalay–Tigyaing Expressway (the main trunk line of north–south transportation in Myanmar) at Tigyaing. With the new round of planning by the Myanmar government, and in order to meet the future development and strategic needs, to promote the economic development and social stability along the project and improve road capacity and comfort, it is imperative that Myanmar needs to upgrade the existing road network.</p> <p>(3) Nay Pyi Taw – Kyaukphyu Highway</p> <p>The project connects the deep-water port city in western Myanmar, i.e. Kyaukpyu and the capital city Naypyitaw, and connects with the Yangon–Mandalay Highway. As a north–south transport artery of the national road network, the Yangon–Mandalay Highway plays an important role in the national road network.</p>									

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Investment projects in RIF 2022 continued—Myanmar

No.	Project Title	Sub-sector	Description	Year of Approval	Cost Estimate (\$ million)		Potential Funding Source and Amount (\$ million)		Status Updates	Key Locations and GMS Economic Corridor Alignment	Expected/Planned Measurable Outputs	Project Contact
					Second Progress Report (2019)	2020 Updates (if any)	Second Progress Report (2019)	2020 Updates (if any)				
			The Kyaukpyu-Naypyitaw Highway, as an east-west branch of the transport artery, has played a role in increasing the radiation intensity of the road network. As a special economic zone, Kyaukpyu's future development is inseparable from the support of the road network. Therefore, the connection between Kyaukpyu and Naypyitaw will greatly promote the upgrading of the national road network in Myanmar.									
43	Upgrading of Wan Pong Port with 500-ton container handling facilities	Ports and waterways	The project will modernize the facilities at Wan Pong Port for handling shipping containers. It will thus help increase the trade in cargo between Myanmar and other GMS countries. Myanmar will be extensively involved in GMS trade, and will effectively use the Mekong River transport route to boost the country's economic development.	2018	50.0	50.0	Joint Committee on Coordination of Commercial Navigation Lancang-Mekong Cooperation Special Fund	Joint Committee on Coordination of Commercial Navigation Lancang-Mekong Cooperation Special Fund	Proposed USD 500,500 was approved for the feasibility study (F/S) of Wanpong port in 2018. F/S of Wanpong port started in September 2019 and will complete in 2020. For the port construction, DWIR is looking forward the possible loan / grant supports.	Eastern Shan State NSEC	Wan Pong port will be improved and port handling capacity will be increased.	U San Shwe, Director, Directorate of Water Resources and Improvement of River System +95 9 5370607 +95 1 292840 sanshwe3@gmail.com
Subtotal (Transport Investment Projects: Myanmar)					4,074.6*	4,394.0						

* The amount includes cost of projects in RIF Second Update (2019) but deleted/dropped in RIF Third Update (2020).

Thailand

Investment Projects

No.	Project Title	Sub-sector	Description	Year of Approval	Cost Estimate (\$ million)		Potential Funding Source and Amount (\$ million)		Status Updates	Key Locations and GMS Economic Corridor Alignment	Expected/Planned Measurable Outputs	Project Contact
					Second Progress Report (2019)	2020 Updates (if any)	Second Progress Report (2019)	2020 Updates (if any)				
44	Mae Sot–Myawaddy Border Crossing Project and Infrastructure Improvements	Border-crossing facilities	<p>The project will build a new bypass road and bridge to the north of the existing border crossing, currently located in the congested centers of the two border cities, Mae Sot and Myawaddy. This new crossing will be dedicated to cross-border freight traffic and will avoid the congested urban areas. The bypass will</p> <p>link with a newly envisioned special trade zone on the Myanmar side. The overall project will consist of about 21.4 km of new four-lane divided highway (16.745 km in Thailand, 3.895 km in Myanmar), a 760-meter-long bridge across the Moei River at the border, and associated border-crossing facilities (BCF).</p>	2015	130.0	130.0	Government of Thailand—130.0	Government of Thailand—130.0	<p>Completed. The construction project of the second Thailand-Myanmar Friendship Bridge crossing Moei/Thaungyin River between Thailand and Myanmar, including the border control facilities (BCF) and approaching roads in both sides have been completed. The official opening was on 30 October 2019.</p>	EWEC	Cross border bridge with border-crossing facilities and 21.4 km. of 4-lane highway.	Bureau of International Highways Cooperation, Department of Highways Tel: (+66) 2354 6901
45	Single Rail Transfer Operator Development Project of Laem Chabang Port	Rail	<p>Currently, approximately 88% of the transport from the Laem Chabang Port to the hinterland is via the road system, with the remainder by rail (9.5%) and inland waterway (2.5%). The proposed project will develop infrastructure and necessary facilities for serving the discharging and loading containers transported by rail to the port area. The project will facilitate rail transfer in response to the completion of the State Railway of Thailand's double-track construction project. It will increase the handling capacity of rail transport at the port from the current 500,000 TEUs/year to 1–2 million TEUs/year.</p>	2018	90.0	90.0	Government of Thailand (PAT)— 90.0	Government of Thailand (PAT)— 90.0	<p>Completed. PAT has hired ITD-WH consortium, to construct the project and provide the lifting equipment. The construction was already completed and the project is now in operation since 26 October 2018.</p>	Chonburi Province SEC	The handling capacity of rail transport at the port from the current 500,000 TEUs/year to 1–2 million TEUs/year	Port Authority of Thailand (PAT) Laem Chabang Port (LCP)

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Investment projects in RIF 2022 continued—Thailand

No.	Project Title	Sub-sector	Description	Year of Approval	Cost Estimate (\$ million)		Potential Funding Source and Amount (\$ million)		Status Updates	Key Locations and GMS Economic Corridor Alignment	Expected/Planned Measurable Outputs	Project Contact
					Second Progress Report (2019)	2020 Updates (if any)	Second Progress Report (2019)	2020 Updates (if any)				
			The objective of the project is to increase the proportion of container traffic moved by rail from 9% of port throughput to 20%, in line with the government's policy of reducing logistics costs.									
46	Coastal Terminal Development Project of Laem Chabang Port	Ports and waterways	This project will reduce the logistics costs for exporters, importers, and logistics providers. The coastal terminal will serve domestic waterway transport through Laem Chabang Port.	2018	58.5	58.5	Government of Thailand (PAT)—58.5	Government of Thailand (PAT)—58.5	Completed. The construction was completed. The project's commenced its operation on 13 March 2020.	Chonburi Province SEC	The capacity of coastal terminal is 300,000 TEUs/year.	Port Authority of Thailand (PAT) Laem Chabang Port (LCP)
47	Tak-Mae Sot Highway Improvement Project	Roads and bridges	The project will improve highway capacity on the EWEC in Thailand, specifically, the stretch of the corridor that connects with the Myanmar section at Myawaddy. It will upgrade the existing 86 km road from two to four lanes.	2008	100.0	100.0	Government of Thailand—100.0	Government of Thailand—100.0	Completed. The project was completed in February 2020.	EWEC	86 km. of road to be upgraded from two to four lanes.	Bureau of International Highways Cooperation, Department of Highways Tel: (+66) 2354 6901
48	Bang Yai-Kanchanaburi Intercity Motorway Project (part of Laem Chabang-Bangkok-Dawei [Myanmar] Corridor)	Roads and bridges	In addition to playing a strong national role, this expressway will be part of the Laem Chabang-Bangkok-Dawei (Myanmar) highway corridor, linking the port at Laem Chabang with the proposed deepwater port at Dawei, and with Myanmar's highway network, connecting with Mawlamyine and Yangon. The proposed expressway is an important component of Thailand's National Highway Development Plan.	2015	1,600.0	1,600.0	Government of Thailand—1,600.0	Government of Thailand—1,600.0	Ongoing. This project is under construction with estimated 33.9% progress. Expected to be completed in 2021.	SEC	96 km. of intercity motorway to be constructed.	Bureau of International Highways Cooperation, Department of Highways Tel: (+66) 2354 6901

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Investment projects in RIF 2022 continued—Thailand

No.	Project Title	Sub-sector	Description	Year of Approval	Cost Estimate (\$ million)		Potential Funding Source and Amount (\$ million)		Status Updates	Key Locations and GMS Economic Corridor Alignment	Expected/Planned Measurable Outputs	Project Contact
					Second Progress Report (2019)	2020 Updates (if any)	Second Progress Report (2019)	2020 Updates (if any)				
49	Chiang Rai– Chiang Khong Highway Improvement Project	Roads and bridges	The project will improve highway capacity of the NSEC in Thailand. It will upgrade the existing 109 km road from two to four lanes.	2015	90.0	90.0	Government of Thailand—90.0	Government of Thailand—90.0	Ongoing. The first 61 km. construction has been completed. The new alignment road project of 48 km. length is under construction with 56.36% progress.	NSEC	61 km. of road to be upgraded from two to four lanes and 48 km. will be constructed in the new alignment.	Bureau of International Highways Cooperation, Department of Highways Tel: (+66) 2354 6901
50	Aran-yaprathet–Poipet New Road with Border-Crossing Facilities (Thailand part)	Roads and bridges	Recent discussions at the Prime Minister’s office between representatives of Thailand and Cambodia have resulted in a general agreement regarding the location for a new Poipet–Aran-yaprathet border crossing, this one specifically for freight traffic. Passenger traffic will continue to use the existing border crossing. The construction of Thailand’s part of this new facility will consist of a 4.7 km bypass road and a bridge over the Prom Hrod Canal.	2015	30.0	30.0	Government of Thailand—30.0	Government of Thailand—30.0	Ongoing. The bridge construction was completed while the construction of border control facilities in both sides are under preparation process. Expected to be completed in 2022.	SEC	4.7 km. bypass road and bridge.	Bureau of International Highways Cooperation, Department of Highways Tel: (+66) 2354 6901
51	Lomsak–Phetch-abun Highway Improvement Project	Roads and bridges	The project will upgrade the existing 92 km road from two to four lanes. The government budgeted for 11 km in the fiscal year (FY) 2016. The upgrading of the remainder is envisaged in the next five-year plan.	2016	220.0	220.0	Government of Thailand—220.0	Government of Thailand—220.0	Ongoing. The first 11 km. was completed. The remaining 81 km is awaiting approval.	EWEC	92 km. of road to be upgraded from two to four lanes.	Bureau of International Highways Cooperation, Department of Highways Tel: (+66) 2354 6901

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Investment projects in RIF 2022 continued—Thailand

No.	Project Title	Sub-sector	Description	Year of Approval	Cost Estimate (\$ million)		Potential Funding Source and Amount (\$ million)		Status Updates	Key Locations and GMS Economic Corridor Alignment	Expected/Planned Measurable Outputs	Project Contact
					Second Progress Report (2019)	2020 Updates (if any)	Second Progress Report (2019)	2020 Updates (if any)				
52	Kalasin–Nakrai–Kamcha I Highway Improvement Project	Roads and bridges	The project will improve highway capacity of the EWEC in Thailand between Kalasin and Kamcha I. It will upgrade the existing 107.7 km road from two to four lanes.	2016	170.0	170.0	Government of Thailand—170.0	Government of Thailand—170.0	Ongoing. The Kalasin–Nakrai (71.4 km.) was completed in July 2019. The Nakrai–Kamcha I (36.3 km.) is under construction with estimated 85.47% progress.	EWEC	107.7 km. of road to be upgraded from two to four lanes.	Bureau of International Highways Cooperation, Department of Highways Tel: (+66) 2354 6901
53	GMS Highway Expansion Phase 2 Project	Roads and bridges	The proposed project will (i) upgrade about 125 km. of a national highway in northeastern Thailand from a two-lane to a four-lane carriageway, and (ii) strengthen capacity in road safety management by introducing road safety audits and awareness training for the executing agency during project implementation. The project consists of A. Nong Han–A. Pangkhon Sakon Nakhon–Nakhon Phanom Roi Et – Yasothon	2017	213.6	213.6	ADB—99.4 Government of Thailand—114.2	ADB—99.4 Government of Thailand—114.2	Ongoing. As of Jan 2020, overall progress is 49.79%, which is 17.9% ahead of schedule. Expected ADB loan closing date is 30 September 2022.	National Highway (NH) 22 and NH 23 Northeast Thailand EWEC	125 km. of road Sections of NH 22 and NH 23 upgraded from two to four lanes; and Capacity in road safety management strengthened.	Bureau of International Highways Cooperation, Department of Highways KRI-SCHANG-TRA KUL29@GMAIL.COM Tel: (+66) 2354 6901
54	National Railway Improvement	Rail	The proposed project will upgrade 2,476 km of a railway in Thailand from a single track to double track and eliminate all at-grade level crossing.	2018	12,192.3	12,192.3	Government of Thailand—12,192.3	Government of Thailand—12,192.3	Ongoing. The first phase (993 km.) is under construction. The second phase (1,483 km.) is awaiting government approval	NSEC EWEC	2,476 km. of double track railways	State Railway of Thailand Email: sukwin-ya.n17@gmail.com State

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Investment projects in RIF 2022 continued—Thailand

No.	Project Title	Sub-sector	Description	Year of Approval	Cost Estimate (\$ million)		Potential Funding Source and Amount (\$ million)		Status Updates	Key Locations and GMS Economic Corridor Alignment	Expected/Planned Measurable Outputs	Project Contact
					Second Progress Report (2019)	2020 Updates (if any)	Second Progress Report (2019)	2020 Updates (if any)				
55	Laem Chabang Port Development Project, Phase 3—	Ports and waterways	Projections of demand indicate that the total containers accommodated in Basin I and Basin II will exceed 10 million 20-foot equivalent units (TEUs) per year by 2018, while the maximum capacity of Basin I and Basin II together is approximately 11 million TEUs per year. Given these projections, the development of Basin III will be necessary to accommodate the increasing throughput and to strengthen the port's role as a gateway to the GMS. The proposed study will present technical and other options regarding the expansion of the port.	2018	3,000.0	3,000.0	PPP (Public Private Partnerships) Private Sector— 3,000.0	PPP (Public Private Partnerships) Private Sector— 3,000.0	<p>Ongoing. The National Environment Board approved the study report on environmental health impact assessment (EHIA).</p> <p>The Megaproject construction LPC phase 3 will take place in December 2019.</p> <p>The construction of the terminal will start end of 2020. Expected start of operation is in 2023.</p>	Chonburi Province SEC	The development of Basin III. We forecast the container will exceed 9.1 million TEUs within 2050, and LCP Phase III can accommodate to 10.2 million TEUs.	Port Authority of Thailand (PAT) Laem Chabang Port (LCP)
56	Mekong Bridge at Bungkan—Paksan (Thailand Part)	Roads and bridges	This bridge will connect Amphoe Muang, Bungkan Province (Thailand) and Muong Paksan, Bolikhamxay Province (Lao PDR). It will facilitate the transport of goods and passengers from northeastern Thailand to central Lao PDR and central Viet Nam via NR8.	2019	88.0	88.0	Government of Thailand— 88.0	Government of Thailand— 88.0	<p>Ongoing. The Cabinet approved the project on 4 June 2019.</p> <p>Construction Agreement signed on 14 June 2019.</p> <p>Both countries are preparing for construction. The project is under the procurement process.</p>	Bungkan Province, Thailand and Bolikhamxay Province Lao PDR NSEC	16.18 km construction includes road and bridge.	Bureau of International Highways Cooperation, Department of Highways Tel: (+66) 2354 6901

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Investment projects in RIF 2022 continued—Thailand

No.	Project Title	Sub-sector	Description	Year of Approval	Cost Estimate (\$ million)		Potential Funding Source and Amount (\$ million)		Status Updates	Key Locations and GMS Economic Corridor Alignment	Expected/Planned Measurable Outputs	Project Contact
					Second Progress Report (2019)	2020 Updates (if any)	Second Progress Report (2019)	2020 Updates (if any)				
57	The Construction of a New Railway Line from Den Chai to Chiang Rai and Chiang Khong	Rail	The construction of this new doubling track from Den Chai to Chiang Rai will diminish the country's logistics costs and fuel imports; enhance speed, convenience, and safety; and support integration with neighboring transport systems, such as those in the Lao PDR and southern PRC. It will also benefit development, especially in the northern provinces, such as Phayao, Phare, and Chiang Rai, which will lead to the country's overall economic growth.	TBD	2,278.8	2,278.8	Government of Thailand — 2,278.8	Government of Thailand — 2,278.8	Proposed. The F/S and detailed design were completed. The cabinet approved the project on 31 July 2018. The project is awaiting the Council of State approval of the Royal Decree and preparing documents for bidding.	NSEC	326 km railway	State Railway of Thailand Email: suk-winya.n17@gmail.com
58	The Construction of a New Railway Line from Baan Pai KhonKaen) to Mahasarakham, Roi Et, Mukdahan, and Nakhon Phanom	Rail	In 1989, the Government of Thailand decided to improve the nationwide rail network. One important network expansion was the Bua Yai– Mukdahan– Nakhon Phanom line on the GMS EWEC. Circumstances later resulted in the need for a feasibility study on the construction of a new railway line that would be integrated into the EWEC. This new, updated study was significant because it represented one of the milestones of rail infrastructure expansion in the EWEC. The study showed that this proposed route should be built as a doubling track on the new alignment for the Baan Pai (Khon Kaen)– Mahasarakham– Roi Et– Mukdahan– Nakhon Phanom line. For the time being, the State Railway of Thailand is carrying out a detailed design study on the new route alignment, which will be able to link with the Thai–Lao Friendship Bridge No. 2, in Mukdahan, and the Thai– Lao Friendship Bridge No. 3, in Nakhon Phanom.	TBD	1,708.9	1,708.9	Government of Thailand — 1,708.9	Government of Thailand — 1,708.9	Proposed. The F/S and detailed design were completed. The cabinet approved the project on 28 May 2019. The project is awaiting Council of State approval of the Royal Decree and preparing the documents for bidding.	EWEC	355 km railway	State Railway of Thailand Email: suk-winya.n17@gmail.com
Subtotal (Transport Investment Projects: Thailand)					21,970.1	21,970.1						

Viet Nam

Investment Projects

No.	Project Title	Sub-sector	Description	Year of Approval	Cost Estimate (\$ million)		Potential Funding Source and Amount (\$ million)		Status Updates	Key Locations and GMS Economic Corridor Alignment	Expected/Planned Measurable Outputs	Project Contact
					Second Progress Report (2019)	2020 Updates (if any)	Second Progress Report (2019)	2020 Updates (if any)				
59	GMS Kunming–Haiphong Transport Corridor–Noi Bai–Lao Cai Highway (additional financing)	Roads and bridges	The project is designed to provide (i) a 244 km grade-separated and access-controlled highway, including 10 interchanges with toll booth and 5 service areas, starting at Noi Bai, near Ha Noi, and Ending in Lao Cai on the border with the PRC in northwest Viet Nam; electric, communications, and tolling systems, and associated facilities, as well as the Vietnam Expressway Corporation's highway operation and maintenance (O&M) equipment and vehicles; and capacity building for the Corporation in project-implementation management, corporate-financing management, highway O&M, and safeguard planning and implementation.	2014	182.0	182.0	ADB—147.0 Government of Viet Nam—35.0	ADB—147.0 Government of Viet Nam—35.0	<p>Completed. Newly constructed 2 more additional lanes of 25 km from Yen Bai to Lao Cai and upgrading of current safety system completed in 2017.</p> <p>ADB Loans 3207, 3208 and 3209 for the additional financing were closed on 1 October 2019.</p>	Viet Nam – Huyen Soc Son, Lao Cai, Noi Bai, Thanh Pho Lao Cai NSEC	25 km of additional 2 lanes expressway	Ministry of Transport Mr. Pham Thanh Binh phamthanhbinh71@gmail.com 80 Tran Hung Dao Hanoi, Viet Nam
60	Second Northern GMS Transport Network Improvement (Luang Prabang–Thanh Hoa)	Roads and bridges	This project aims to provide more efficient transport across the Lao PDR–Viet Nam border, as well as on the project road sections of the GMS northeastern corridor through the provinces of Thanh Hoa, in northern Viet Nam, and Houaphanh, in northeastern Lao PDR. It includes two components: (i) an upgrade to all-weather status of 196 km of Highway 217 in Viet Nam and of 143km of routes 6A, and 6B in the Lao PDR; and (ii) improvements in the safety of the road sections.	2015	77.8	77.8	ADB—71.1 Government of Viet Nam— 6.7	ADB—71.1 Government of Viet Nam— 6.7	<p>Ongoing. Started by September 2017</p> <p>Three civil works contracts were completed and opened to public in June 2020.</p>	Thanh Hoa, Viet Nam and Houaphanh, Lao PDR NSEC	Upgrade 45 km of National Highway No. 2017 from Cam Thuy to Ba Thuoc Construction of new Ha Trung Flyover	Mr Nguyen Viet Ha Office of the GMS National Coordinator, Viet Nam ngvietha77@yahoo.com

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Investment projects in RIF 2022 continued—Viet Nam

No.	Project Title	Sub-sector	Description	Year of Approval	Cost Estimate (\$ million)		Potential Funding Source and Amount (\$ million)		Status Updates	Key Locations and GMS Economic Corridor Alignment	Expected/Planned Measurable Outputs	Project Contact
					Second Progress Report (2019)	2020 Updates (if any)	Second Progress Report (2019)	2020 Updates (if any)				
61	Central Mekong Delta Connectivity	Roads and bridges	This investment project will improve connectivity between Viet Nam and the rest of the Mekong Delta region, and provide better access to the southern coastal region from HCMC by building two cable-stayed bridges across the Mekong River, and building associated roads.	2013	860.0	860.0	ADB—410.0 Government of Australia—160.0 Korea Export-Import Bank—232.84 Government of Viet Nam—56.0	ADB—410.0 Government of Australia—134.0 Korea Export-Import Bank—260.0 Government of Viet Nam—56.0	Ongoing. Component 1&2,3 (Cao Lanh Bridge and the connecting route Cao Lanh - Vam Cong, Vam Cong bridge): already completed. - For addition component (Connecting route NH91 and Long Xuyen bypass): Approved Land acquisition policy, Local authority are implementing payment. - Technical Design: Choosing consultant according to ADB regulations.	An Giang, Ben Pha Vam Cong, Cao Lanh, Huyen Cao Lanh, Huyen Lap Vo, Long Xuyen, Thanh Pho Can Tho, Thanh pho Long Xuyen, Tinh Dong Thap SEC	New bridges and roads connecting Viet Nam to Mekong Delta Area	Cuu Long Corporation for Investment, Development and Project Management of Transportation Infrastructure (Cuu Long CIPM)
62	GMS Ben Luc- Long Thanh Expressway (Stage 2)	Roads and bridges	The project will construct a 57.1 km expressway between Ben Luc and Long Thanh, south of Ho Chi Minh City (HCMC). This is a section of the GMS Southern Economic Corridor (SEC). This project will connect Ben Luc and Long Thanh in the southern region of Viet Nam. The expressway will be part of the Greater Mekong Subregion Southern Economic Corridor. It will improve transport efficiency and boost economic activities in the region.	2014	1,607.4	1,607.4	ADB—635.7 JICA—634.8 Government of Viet Nam—336.9	ADB—635.7 JICA—634.8 Government of Viet Nam—336.9	Ongoing. JICA part: J2 Package is completed; J1, J3 to be completed in June 2021 and July 2020. ADB part to be completed by December 2020. The project needs to be extended until December 2023 for completion. The project's amended	SEC	57.1 km expressway between Ben Luc and Long Thanh (connecting to the CaiMep - ThiVai Seaport)	Viet Nam Expressway Corporation (VEC)

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Investment projects in RIF 2022 continued—Viet Nam

No.	Project Title	Sub-sector	Description	Year of Approval	Cost Estimate (\$ million)		Potential Funding Source and Amount (\$ million)		Status Updates	Key Locations and GMS Economic Corridor Alignment	Expected/Planned Measurable Outputs	Project Contact
					Second Progress Report (2019)	2020 Updates (if any)	Second Progress Report (2019)	2020 Updates (if any)				
									Investment Policy for extension of ADB's MFF availability period and loan closing date until December 2023 was approved by the Prime Minister in July 2020. Overall physical progress is about 76%			
63	GMS Ha Noi–Lang Son Expressway Project (HuuNghi–Chi Lang Section)	Roads and bridges	<p>This project will construct a 156.6 km expressway between Ha Noi and HuuNghi, in Lang Son Province, on the border with the PRC's Guangxi Zhuang Autonomous Region.</p> <p>This project will connect Ha Noi and HuuNghi, Lang Son province, on the border with the PRC's Guangxi Zhuang Autonomous Region. HuuNghi – Chi Lang section is about 43km</p>	2016	1,400.0	1,400.0	Private Investors —1,400.0	Private Investors —1,400.0	<p>Ongoing. The project has completed the technical design.</p> <p>Currently, the Prime Minister has directed the investment of this project in the form of BOT. Phasing into 2 BOT (Building – Operate – Trans-fer) Project:</p> <ul style="list-style-type: none"> - Ha Noi – Bac Giang: Complet- ed in 2016 under BOT scheme. - Bac Giang – Lang Son (in- cluding Chi Lang – HuuNghi Border Gate): Under con- struction, expecting to be completed by Dec 2019. 	NSEC	Ha Noi – Bac Giang: 45 km of expressway Bac Giang – Lang Son: 64 km of expressway Chi Lang – HuuNghi Border Gate: 43 km of expressway	Mr. Nguyen Viet Ha Office of the GMS National Coordinator Ngvietha77@ yahoo.com

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Investment projects in RIF 2022 continued—Viet Nam

No.	Project Title	Sub-sector	Description	Year of Approval	Cost Estimate (\$ million)		Potential Funding Source and Amount (\$ million)		Status Updates	Key Locations and GMS Economic Corridor Alignment	Expected/Planned Measurable Outputs	Project Contact
					Second Progress Report (2019)	2020 Updates (if any)	Second Progress Report (2019)	2020 Updates (if any)				
									Change the Management Authority from MOT to Lang Son People Committee. - Lang Son – Huu Nghi Border Gate: Expecting to be completed by 2020.			
64	Northern Mountain Provinces Transport Connectivity Project (formerly GMS Corridor Connectivity Enhancement Project)	Roads and bridges	The project will finance improvement of international and national transport connectivity of underdeveloped provinces of Vietnam by improving accessibility to GMS corridors. The project aims to expand the benefits of the GMS corridors to the northwestern provinces, where high poverty incidence is reported, by enhancing the road connectivity between the Noi Bai-Lao Cai Expressway and the provinces of Lao Cai, Lai Chau and Yen Bai through rehabilitation of National Highway (NH) 279 and NH32 and upgrading of Provincial Road (PR)175 to an NH.	2018	245.1	245.1	ADB—188.4 Government of Viet Nam—52.2 Australia—4.5	ADB—188.4 Government of Viet Nam—52.2 Australia—4.5	Ongoing. ADB loan financing approved on 11 December 2018. Technical design is being implemented. Regarding the preparation for the bidding of construction packages, ADB already agreed with MOT to adjust procurement method from ICB to NCB.	Noi Bai-Lao Cai Expressway and the provinces of Lao Cai, Lai Chau and Yen Bai NSEC	National Highway (NH) 279 and NH32 and upgrading of Provincial Road (PR)175 to an NH rehabilitated	Ministry of Transport 80 Tran Hung Dao Hanoi, Viet Nam
65	Central Region Connectivity Enhancement Project (NR 14D Improvement Project)	Roads and bridges	This is a highway connecting the west of Quang Nam province, Ho Chi Minh road to Tien Sa port (Da Nang province); it is also the link between the three GMS countries - Cambodia, Laos and Viet Nam. National Highway 14D, submitted by Viet Nam for inclusion in Regional Investment Framework 2022, is covered by this proposed project.	2019	137.0	137.0	TBD- 116.32 Government of Viet Nam—20.65	TBD- 116.32 Government of Viet Nam—20.65	Proposed. Consultation on environment protection from international organizations (WWF, IUCN)	EWEC	National Highway No. 14D upgraded	Thang Long Project Management Unit

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Investment projects in RIF 2022 continued—Viet Nam

No.	Project Title	Sub-sector	Description	Year of Approval	Cost Estimate (\$ million)		Potential Funding Source and Amount (\$ million)		Status Updates	Key Locations and GMS Economic Corridor Alignment	Expected/Planned Measurable Outputs	Project Contact
					Second Progress Report (2019)	2020 Updates (if any)	Second Progress Report (2019)	2020 Updates (if any)				
66	Ho Chi Minh City Third Ring Road (BenLuc-NH22)	Roads and bridges	The project aims to contribute to the socio-economic development of the Southern Economic Region, exploiting the economic development of, and attracting investment and tourism to HCMC. It also aims to reduce the pressure on and congestion of Highway 1.	2019	877.7	877.7	PPP Private Investor—436.1 ADB—299.1 Australia—6.0 Government of Viet Nam—136.5	PPP Private Investor—436.1 ADB—299.1 Australia—6.0 Government of Viet Nam—136.5	Proposed. The Technical Assistance on surveying and F/S for National Highway No. 22-Binh Chuan and Ben Luc-National Highway No.22 The MOT is currently studying and implementing internal procedures	SEC		Mr. Nguyen Viet Ha Office of the GMS National Coordinator Ngvietha77@yahoo.com
67	Ho Chi Minh City-Loc Ninh (Cambodia Border) Railway	Rail	The HCMC-Phnom Penh route (via Loc Ninh) is part of the Singapore-Kunming Rail Link (SKRL). The project will construct a new railway section of 128km from HCMC to Loc Ninh.	2020	900.0	900.0	TBD	TBD	Proposed. The feasibility study has been finalized in 2012 and Viet Nam has been seeking investors/ funding, calling foreign partners (whether governmental loan or private investment) to construct this missing link section. Despite that, we still hope to execute its construction in the period 2016-2025.	SEC	128 km railway from HCMC to LocNinh	Mr. Nguyen Viet Ha Office of the GMS National Coordinator Ngvietha77@yahoo.com
68	Viet Nam: Lao Cai-Hekou (4.7km) PRC: Hekou-Lao Cai (03km)	Rail	The proposal is for standard gauge route between the PRC and Viet Nam rail systems, via GMS Rail Link 9: Kunming-Ha Noi-HCMC-Phnom Penh-Bangkok (SKRL main line). ADB will only finance it if a standard gauge link is provided as the connection. A feasibility study was conducted, funded by Viet Nam. There remain bilateral issues regarding the route alignment and the location where the line would cross the border.	TBD	33.6	33.6	ADB	ADB	Proposed. Viet Nam has completed the plan of the new railway section link Lao Cai station (Viet Nam) – North Hekou station (China) and sent to the National Railway Administration of China to unify and negotiate the signing of the Agreement.	NSEC		Mr. Nguyen Viet Ha Office of the GMS National Coordinator Ngvietha77@yahoo.com

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Investment projects in RIF 2022 continued—Viet Nam

No.	Project Title	Sub-sector	Description	Year of Approval	Cost Estimate (\$ million)		Potential Funding Source and Amount (\$ million)		Status Updates	Key Locations and GMS Economic Corridor Alignment	Expected/Planned Measurable Outputs	Project Contact
					Second Progress Report (2019)	2020 Updates (if any)	Second Progress Report (2019)	2020 Updates (if any)				
									The Draft Final Report for the planning of standard gauge Rail from Lao Cai to Ha Noi to Haiphong is being finalized by China.			
69	Construction Project of National Highway 15D, Quang Tri province	Road	To construct National Highway 15D from My Thuy seaport to La Lay international border gate with Lao PDR, 92km	2021	118.4	118.4	ADB—94.7 Viet Nam —23.7	ADB—94.7 Viet Nam —23.7	Proposed. In Viet Nam- ADB Country Operations Business Plan 2020-2022 as a 2021 firm pipeline project.	Quang Tri Province NSEC		Mr. Nguyen Viet Ha Office of the GMS National Coordinator Ngvietha77@yahoo.com
*Not applicable	Vientiane–Thakhek–Mu Gia Railway Project (450 km) Mu Gia–VungAng (F/S completion expected in 2017) 119 km	Rail	The project covers a portion of the spur line of the SKRL. This spur line will connect the Thai railway network to the Vietnamese railway network. The Republic of Korea has given assistance with a pre-feasibility study.	TBD	*Cost estimate is listed under Lao PDR to avoid double counting	*Cost estimate is listed under Lao PDR to avoid double counting	TBD	TBD	Proposed. Viet Nam has been seeking investors/funding, calling foreign partners (whether governmental loan or private investment) to construct this missing link section.	NSEC	Expected Outputs listed under Lao PDR to avoid duplication	
Subtotal (Transport Investment Projects: Viet Nam)					6,885.2*	6,439.0						
Total (Transport Investment Projects)					77,713.7*	66,122.9						

* The amount includes cost of projects in RIF Second Update (2019) but deleted/dropped in RIF Third Update (2020).

All Countries

Technical Assistance Projects

No.	Project Title	Sub-sector	Description	Year of Approval	Cost Estimate (\$ million)		Potential Funding Source and Amount (\$ million)		Status Updates	Key Locations and GMS Economic Corridor Alignment	Expected/Planned Measurable Outputs	Project Contact
					Second Progress Report (2019)	2020 Updates (if any)	Second Progress Report (2019)	2020 Updates (if any)				
1	GMS Corridor Enhancement Project (formerly Project Preparatory Technical Assistance for National Highway 14D Improvement)	Viet Nam	The technical assistance (TA) will prepare a project to improve the national and international transport connectivity of underdeveloped provinces in Viet Nam by improving access to GMS corridors. The project comprises (i) improving National Highway 14D (NH14D) in Quang Nam Province, and three National Highways (NH32, N279 and upgraded PR175) in Yen Bai Province, Lai Chau Province and Lao Cai Province; and (ii) supporting the Department of Road Viet Nam (DRVN) in road asset management.	2016	1.8	1.8	ADB—1.8	ADB—1.8	Completed.	NSEC	Project to improve international and national transport connectivity of underdeveloped provinces of Vietnam prepared	Mr. Le Duc Trung Official, ICD, MOT duc-trung1812@gmail.com
2	Proposed Hoa Lac–Hoa Binh City Expressway Public–Private Partnership Feasibility Study	Viet Nam	The Lang–Hoa Lac–Hoa Binh Expressway is one of the seven expressways connecting to Hanoi. The Lang–Hoa Lac section has been in operation since October 2010. The Hoa Lac–Hoa Binh section, 33.3 km in length, is in the preparatory stage.	2018	1.0	1.0	Private Sector—1.0	Private Sector—1.0	Completed.	NSEC	Feasibility Study prepared	Mr. Le Duc Trung Official, ICD, MOT duc-trung1812@gmail.com

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Technical assistance projects in RIF 2022 continued—All Countries

No.	Project Title	Sub-sector	Description	Year of Approval	Cost Estimate (\$ million)		Potential Funding Source and Amount (\$ million)		Status Updates	Key Locations and GMS Economic Corridor Alignment	Expected/Planned Measurable Outputs	Project Contact
					Second Progress Report (2019)	2020 Updates (if any)	Second Progress Report (2019)	2020 Updates (if any)				
3	Study on Dry Port Development Plan along International Railway Lines Connecting Thailand with Cambodia, the Lao PDR, and Myanmar	Cambodia, Lao PDR, Myanmar, Thailand	<p>Thailand aims to develop Laem Chabang Port as a gateway to neighboring countries in the GMS, and to promote a modal shift from road to rail transport.</p> <p>Among the cross-border railway projects that are being emphasized by the GMS countries governments are: the Nong Khai–Thanaleng–Vientiane line, to connect with the Lao PDR; the Aranyaprathet–Klong Luk–Poipet line, to connect with Cambodia; and the Kanchanaburi–Dawei line, to connect with Myanmar.</p> <p>Thailand seeks to formulate a clear development plan for dry ports, which function as cross-border facilities or inland container terminals and are connected via GMS economic corridors. The dry ports should also be maximized by considering connections with other important ports in the GMS, such as Dawei, Myanmar; Sihanoukville, Cambodia; and HCMC, Viet Nam. The TA study will determine the need for dry ports at strategic rail locations on international borders.</p>	2018	0.5	0.5	Government of Thailand—0.5	Government of Thailand—0.5	Completed. The study is completed in December 2018.	NSEC EWEC SEC		Thailand Office of Transport and Traffic Policy and planning

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Technical assistance projects in RIF 2022 continued—All Countries

No.	Project Title	Sub-sector	Description	Year of Approval	Cost Estimate (\$ million)		Potential Funding Source and Amount (\$ million)		Status Updates	Key Locations and GMS Economic Corridor Alignment	Expected/Planned Measurable Outputs	Project Contact
					Second Progress Report (2019)	2020 Updates (if any)	Second Progress Report (2019)	2020 Updates (if any)				
4	Transport Sector Reform and Modernization (additional financing)	Myanmar	This TA project will support the next phase of ADB's participation in the development of Myanmar's road transport sector.	2017	2.0	2.0	ADB—2.0	ADB—2.0	Ongoing. Technical assistance is expected to close on 31 August 2021.		Output 1: Improved transport sector architecture defined. Output 2: Restructuring and rationalization strategy for Myanma Railways prepared. Output 3: Reengineering plan for Public Works prepared. Output 4: Business restructuring strategies for selected state-owned enterprises under the Ministry of Transport and the Ministry of Rail Transportation prepared.	ADB

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Technical assistance projects in RIF 2022 continued—All Countries

No.	Project Title	Sub-sector	Description	Year of Approval	Cost Estimate (\$ million)		Potential Funding Source and Amount (\$ million)		Status Updates	Key Locations and GMS Economic Corridor Alignment	Expected/Planned Measurable Outputs	Project Contact
					Second Progress Report (2019)	2020 Updates (if any)	Second Progress Report (2019)	2020 Updates (if any)				
5	Greater Mekong Subregion East–West Economic Corridor Highway Development Project (for–merly GMS EWEC Road Corridor Improvement II)	Myanmar	The project will develop a direct high-way link between Bago and Kyaikto, along the Greater Mekong Subregion (GMS) East–West Economic Corridor (EWEC). The project will (i) improve connectivity between Myanmar and Thailand; compounding with ongoing ADB transport infrastructure and cross-border transport facilitation activities to enable more intense trade between Myanmar and Southeast Asia, (ii) enhance road access to Mon and Kayin state, demonstrating the government’s commitment to improving the well-being of people in areas that have long been affected by conflict, (iii) provide a new high-class road access to Kyaikto, a major tourism and pilgrimage site, and (iv) build governments capacity to develop and manage high-class highways meeting international standards.	2017	2.0	2.0	ADB—2.0	ADB—2.0	Ongoing.	Bago Region Mon and Kayin State EWEC	64 km new expressway proposed for proposed Second GMS Highway Modernization Project for ADB approval in 2020 (see proposed investment project list).	ADB
6	Memo-randum of under-standing between the Minis-try of Pub-lic works and trans-port of Lao People’s Demo-crat-ic Republic and the ministry of Oceans and fisher-ies of the	Lao PDR	(a) support for establishing a river transport strategy as part of the construction of a multi-modal transportation system; (b) conducting a feasibility study for a multi-modal transportation system for priority ports to be integrated with other modes of transport; (c) conducting research in priority regions on riverbank erosion and establishing improvement measures; (d) establishing river port infrastruc-ture improvement measures for tour-ism revitalization; (e) establishing a plan for an informa-tion system in the field of customs exports and imports	2019		Not avail-able		Govern-ment of the Republic of South Korea— Amount not available	Ongoing (proposed for inclu-sion by Lao PDR on 28 July 2020) A feasibility study for a multi-modal transportation sys-tem is ongoing and will be completed end of August 2020.			Department of Waterways, MPWT Mr. Soukha-seum, Project Coordinator, +856 20 97129695 dalasane@gmail.com

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Technical assistance projects in RIF 2022 continued—All Countries

No.	Project Title	Sub-sector	Description	Year of Approval	Cost Estimate (\$ million)		Potential Funding Source and Amount (\$ million)		Status Updates	Key Locations and GMS Economic Corridor Alignment	Expected/Planned Measurable Outputs	Project Contact
					Second Progress Report (2019)	2020 Updates (if any)	Second Progress Report (2019)	2020 Updates (if any)				
	Republic of Korea on the Establishment of a river transport connecting multi-modal transportation and logistics system		(f) exchange of information on engineering, construction and operations in the field of river/seaport systems; (g) sharing of technology and experience in the area of port development and operations; (h) exchange of human resources, such as port experts, and the provision of training; (i) joint participation in port engineering, construction and operations projects in areas of mutual interest; and (j) any other areas of cooperation that may be jointly decided upon by the Participants.									
7	Connecting the Railways of the Greater Mekong Subregion (Phase 2)	All GMS Countries	The regional knowledge and support technical assistance (TA) will support the Greater Mekong Railway Association (GMRA) in accelerating the development of rail connections among the Greater Mekong Subregion (GMS) countries by (i) improving the organizational structure of the GMRA; (ii) preparing an operational readiness plan to ensure appropriate standards for technology on safety, productivity, and environmental quality of railway operations; (iii) updating the GMS railway strategy for the development of missing cross-border railway links and associated domestic connections; (iv) updating the Mekong (Sub-) Regional Transport Model (MRTM) prepared under phase 1 of the TA for Connecting the Railways of the Greater Mekong Subregion, enhancing the capacity to utilize it effectively; and (v) identifying bankable railway projects in GMS countries.	2019		0.5		PRC Poverty Reduction and Regional Cooperation Fund—0.5	Ongoing. TA was approved on 19 December 2019. The inception workshop for the TA was held on 14 September 2020.	Nationwide for all 6 GMS countries	Organizational structure of the GMRA improved. Operational Readiness Plan for the GMRA developed. GMS railway network development strategy updated. Updated GMS transport demand model prepared.	Mohammad Nazrul Islam ADB South-east Asia Department

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Technical assistance projects in RIF 2022 continued—All Countries

No.	Project Title	Sub-sector	Description	Year of Approval	Cost Estimate (\$ million)		Potential Funding Source and Amount (\$ million)		Status Updates	Key Locations and GMS Economic Corridor Alignment	Expected/Planned Measurable Outputs	Project Contact
					Second Progress Report (2019)	2020 Updates (if any)	Second Progress Report (2019)	2020 Updates (if any)				
											Bankable railway projects identified in GMS countries.	
8	Feasibility Study on Upgrading of Mawlamyine- Dawei - Htiikee Rail Link (452.58 km)	Myanmar	<p>The railway section that is the focus of this feasibility study is one of the most important branch lines of Myanmar Railways, not only for local transport, but also for its links to Thailand and the railway network of the Association of Southeast Asian Nations (ASEAN).</p> <p>However, the railway line is in poor condition. The project will contribute to the improvement of passenger, freight, and logistics transport on this line. Given that the line is part of the SKRL and Trans-Asian Railway (TAR) networks, Thailand has already conducted a full feasibility study on the Laem Chabang-Bangkok-Kanchanaburi-Ban Phu Nam Ron (border crossing) section. A feasibility study for Myanmar's Htikhee- Dawei missing link has not yet been done, however. The feasibility study for an extension of the Dawei-Mawlamyine section is expected to be conducted as soon as possible, to promote the continuity of the TAR corridor.</p>	TBD	TBD	TBD	TBD	TBD	Proposed. Upon further consideration and existing border trade development situation, it was found that choosing one of three alternate Railway Links would be more advantageous to both of Myanmar and Thailand in GMS Region, namely; (a) a missing link from Thanphyuzayat- Three Pagodas Pass (110 km in Myanmar side) to Nank Toke (Thailand); (b) a missing link from Thahton-Hpaan-Myawaddy (190 km in Myanmar side) to Maesot (Thailand) (c) a missing link from Dawei - Htiikee (142 km in Myanmar side) to Kanchanaburi (Thailand)	Mon State Tanintharyi Region SEC	Upgraded Rail Link and New spur line	Deputy General Manager Planning & Administration Department, Myanmar Railways +95 67 77084 dgm.planning.mr@gmail.com

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Technical assistance projects in RIF 2022 continued—All Countries

No.	Project Title	Sub-sector	Description	Year of Approval	Cost Estimate (\$ million)		Potential Funding Source and Amount (\$ million)		Status Updates	Key Locations and GMS Economic Corridor Alignment	Expected/Planned Measurable Outputs	Project Contact
					Second Progress Report (2019)	2020 Updates (if any)	Second Progress Report (2019)	2020 Updates (if any)				
									During the joint session of 13th Mekong – Japan industry and Government Dialogue and the 1st Meeting of 2020 AMEICC working group on West – East Corridor Development (WEC-WG), Myanmar side highlighted the above situation and proposed as prioritized project to get the Technical Assistance under Mekong Industrial Development Vision 2.0 (MIDV2.0).			
9	Road Safety for Highway Development in the Greater Mekong Subregion East-West Economic Corridor	Myanmar	This is a Transactional TA project with expected outcome of a more efficient and safer movement of goods and people between Bago and Kyaikto along the GMS EWEC.	TBD	1.1	1.1	ADB (Trust Fund for Road Safety for Highway Development in GMS EWEC)—1.0 Government of Myanmar—0.06 (non-cash)	ADB (Trust Fund for Road Safety for Highway Development in GMS EWEC)—1.0 Government of Myanmar—0.06 (non-cash)	Proposed	Bago-Kyaikto section of EWEC	1.Road safety approach for existing Bago- Kyaikto road section established; 2.Government’s capacity to collect and analyze road safety data improved; 3.Police capacity for traffic	Ministry of Construction Department of Highways Office Building No. 11 Naypyitaw, Myanmar

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Technical assistance projects in RIF 2022 continued—All Countries

No.	Project Title	Sub-sector	Description	Year of Approval	Cost Estimate (\$ million)		Potential Funding Source and Amount (\$ million)		Status Updates	Key Locations and GMS Economic Corridor Alignment	Expected/Planned Measurable Outputs	Project Contact
					Second Progress Report (2019)	2020 Updates (if any)	Second Progress Report (2019)	2020 Updates (if any)				
10	Feasibility Study for Mae Sot –Myawaddy- Hpa-an- Thaton Rail line.	Myanmar Thailand	<p>The proposed Technical Assistance project is to connect with Thailand. It is situated in Kayin and Mon State, Myanmar.</p> <p>Rationale/Justification: Feasibility Study for the missing link of Hpa-an – Myawaddy- Mae Sot as a spur line of Singapore-Kunming Rail Link (SKRL) with the Technical Assistance by development partner instead of Dawei- Htiki-Ban Phunam Ran (Thai) was proposed to input ACMECS Master Plan in 2019.</p>	TBD	TBD	TBD	TBD	TBD	<p>Proposed. This is one of the 3 route options to connect Myanmar and Thailand as indicated in the TA No.8, Feasibility Study on Upgrading of Mawlamyine-Dawei-Htikee Rail Link (452.58km)</p>	Kayin State, Mon State, Myanmar. EWEC	To support a spur line of Singapore-Kunming Rail Line (SKRL) and estimate the cost of the project implementation.	NTFC Secretariat Office +95 67 3411603 motc.landtransport@gmail.com
Subtotal (Transport TA Projects)						10.3*	8.9					
Total (Transport Investment and TA Projects)						77,723.9*	66,131.8					

* The amount includes cost of projects in RIF Second Update (2019) but deleted/dropped in RIF Third Update (2020).

Energy

Investment Projects

No.	Project Title	Country Coverage	Description	Year of Approval	Cost Estimate (\$ million)		Potential Funding Source and Amount (\$ million)		Status Updates	Key Locations and GMS Economic Corridor Alignment	Expected/Planned Measurable Outputs	Project Contact
					Second Progress Report (2019)	2020 Updates (if any)	Second Progress Report (2019)	2020 Updates (if any)				
1	Nam Ngiep 1 (NN1) Hydropower Project	Lao PDR	The project involves the construction and operation of a 272 MW hydropower generation facility on a build-operate-transfer (BOT) arrangement at the Nam Ngiep River in the province of Bolikhamxay and Xaysomboun, Lao PDR.	2014	976.7	976.7	ADB—215.7, JBIC—197.0, Private Sector — 564.0 [NNP1 shareholders: KPIC Netherlands B.V., EGAT International, Lao Holding State Enterprise— 226; Thai banks—228]	ADB—215.7, JBIC—197.0, Private Sector — 564.0 [NNP1 shareholders: KPIC Netherlands B.V., EGAT International, Lao Holding State Enterprise— 226; Thai banks— 228]	<p>Completed and operational. NN1 started generating electricity for export to Thailand in early September 2019, becoming the latest fully operational Independent Power Producer in the country.</p> <p>The project's main powerhouse has an installed capacity of 272 MW, which is sold to the Electricity Generating Authority of Thailand via a 230 kilovolt transmission line to the Nabong Substation. The output from the reregulation power station (18MW or about 6.2% of total project output) has been online since March 2019 and is being sold to Electricite du Laos.</p>	Bolikhamxay and Xaysomboun, Lao PDR NSEC	See description	<p>Team Head: Suhail Khan Principal Investment Specialist PSPM-PSOD, ADB Email: sykhan@adb.org</p> <p>Analyst: Broderick Garcia Sr. Investment Officer PSPM-PSOD, ADB Email: bgarcia@adb.org</p>

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Investment projects in RIF 2022 continued

No.	Project Title	Country Coverage	Description	Year of Approval	Cost Estimate (\$ million)		Potential Funding Source and Amount (\$ million)		Status Updates	Key Locations and GMS Economic Corridor Alignment	Expected/Planned Measurable Outputs	Project Contact
					Second Progress Report (2019)	2020 Updates (if any)	Second Progress Report (2019)	2020 Updates (if any)				
2	Lao PDR–Thailand Nabong 500 kV Substation Transmission Facility	Lao PDR, Thailand	The project aims to construct a 500kV line from Udon Thani (Thailand) to Nabong (Lao PDR) to transfer power from three hydropower projects in the Central-1 area of the Lao PDR to Thailand. The hydropower projects are Nam Ngum 2, Nam Theun1, and Nam Ngiep1, which have a total capacity of over 1,500MW, largely for export to Thailand.	2014	106.0	106.0	Nam Ngum 2 Power Company—106.0	Nam Ngum 2 Power Company—106.0	Completed and operational.	Nabong, Lao PDR Udon Thani, Thailand NSEC	See description	Mr. Chanthaly Chansom-pheng Office of the GMS National Coordinator, Lao PDR Email: chansom pheng@yahoo.com Generation and Transmission System Planning Division, Electricity Generating Authority of Thailand Tel.+662 436 3532 Fax.+662 4363 593 Email: sawapop.t@egat.co.th
3	Transmission Interconnection Project from Lao PDR (Na Bong) to Thailand (Udon Thani 3)	Lao PDR, Thailand	The project is upgrading an existing 230 kV transmission line, designed for 500 kV transmission from the Lao PDR (Na Bong) to Thailand (Udon Thani 3). When completed, the line will be 107 km in length and have 1,800 MW peak capacity.	2014	60.0	60.0	TBD—60.0	TBD—60.0	Completed and operational.	Na Bong, Lao PDR Udon Thani, Thailand NSEC	See description	Mr. Chanthaly Chansom-pheng Office of the GMS National Coordinator, Lao PDR Email: chansom pheng@yahoo.com

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Investment projects in RIF 2022 continued

No.	Project Title	Country Coverage	Description	Year of Approval	Cost Estimate (\$ million)		Potential Funding Source and Amount (\$ million)		Status Updates	Key Locations and GMS Economic Corridor Alignment	Expected/Planned Measurable Outputs	Project Contact
					Second Progress Report (2019)	2020 Updates (if any)	Second Progress Report (2019)	2020 Updates (if any)				
												Generation and Transmission System Planning Division, Electricity Generating Authority of Thailand Tel. +662 436 3532 Fax. +662 436 3593 Email: sawapop.t@egat.co.th
4	230 kV Mae Sot-Myawaddy Transmission Line	Myanmar	By implementing this project, power exchanging can be made based on the seasonal demand of both countries. The 300 MW of Myanmar-Thai interconnection project can electrify 600,000 households for new connection.	2020	TBD	Not available	TBD	Not available	Ongoing.	Myawaddy Township, Kayin State and throughout the route of transmission line from Thai to Myanmar		Director (Power Development Planning) DEPP Email: pdp.depp.2016@gmail.com Tel. 067-3411293
5	500 kV Line from Mawlamyine to the Main Grid	Myanmar	This will connect the isolated grid at Mawlamyine to the main grid, thereby bringing the 500 kV Myanmar system closer to the Thai grid for future interconnection. This will result in lower costs and improved reliability of the power supply in the Mawlamyine area, which will be the western terminus of the GMS East-West Economic Corridor (EWEC). The costs are estimated based on 360 km of a single-circuit 500 kV line at \$1.5 million/km and two 500 kV substations at \$50 million each. (Tentative routing: Mawlamyine-Tha-ton-Bago).	2020	640.0	640.0	TBD	Not available	Ongoing. Assessment study on-going	Mawlamyine, Myanmar EWEC	See description	Director (Power Development Planning) DEPP Pdp.depp. Email: 2016@gmail.com Tel. 067-3411293

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Investment projects in RIF 2022 continued

No.	Project Title	Country Coverage	Description	Year of Approval	Cost Estimate (\$ million)		Potential Funding Source and Amount (\$ million)		Status Updates	Key Locations and GMS Economic Corridor Alignment	Expected/Planned Measurable Outputs	Project Contact
					Second Progress Report (2019)	2020 Updates (if any)	Second Progress Report (2019)	2020 Updates (if any)				
6	230kV Lao PDR-Myanmar Power Interconnection	Lao PDR, Myanmar	By implementing this project, power exchanging can be made based on the seasonal demand of both countries. The 300MW of Myanmar-Lao PDR interconnection project can electrify 600,000 households for new connection. KengLatt and Tachileik Townships will also be electrified.	2020	180.9	180.9	ODA Loan	Not available	Ongoing. Pre-feasibility study being supported by ADB ongoing as of June 2020.	KengLatt, Tachileik, Keng Tong, Nam Sam, Taunggyi and Meikhitla townships and Throughout the route of transmission line from Lao PDR to Myanmar		Director (Power Development Planning) DEPP Email: pdp.depp.2016@gmail.com Tel. 067-3411293
7	500kV Muse-Mineyal-Hopone-Phayargyi Transmission Line (616) miles and related substations	Myanmar	This will bring the 500kV Myanmar System closer to the China Grid for future interconnection. This will be north-eastern terminus of GMS East-West Economic corridor (EWEC).	2020	1,788.0	1,788.0	TBD	Not available	Ongoing. Feasibility study ongoing	Muse, Hopong Township, Shan state, Loikaw Township, Kayah state, Taungoo, Kyayauktakar, Naunglaybin, Dikeoo and Bago Townships, Bago Region, and throughout the route of transmission line		Director (Power Development Planning) DEPP Email: pdp-depp.2016@gmail.com Tel. 067-3411293

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Investment projects in RIF 2022 continued

No.	Project Title	Country Coverage	Description	Year of Approval	Cost Estimate (\$ million)		Potential Funding Source and Amount (\$ million)		Status Updates	Key Locations and GMS Economic Corridor Alignment	Expected/Planned Measurable Outputs	Project Contact
					Second Progress Report (2019)	2020 Updates (if any)	Second Progress Report (2019)	2020 Updates (if any)				
8	Transmission Interconnection Project from Lao PDR (Ban Lak25) to Thailand (Ubon Ratchathani 3)	Lao PDR, Thailand	The project will construct a 500 kV transmission line that will initially be energized at 230 kV from the Lao PDR (Ban Lak25) to Thailand (Ubon Ratchathani 3). When completed, the line will be 150 km in length and have 1,400 MW peak capacity.	2019	90.0	90.0	TBD—15.0 Cofinancing— 75.0	TBD	Proposed	Ban Lak, Lao PDR NSEC Ubon Ratchathani, Thailand SEC	See description	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 Tel.+662 436 3532 Fax: +662 436 3593 Email: sawapop.t@egat.co.th
9	Rural Power Distribution and Efficiency Improvement Project (formerly, Northern-Cross Border Trade and Distribution)	Lao PDR	This project will expand the power distribution network in northern Lao PDR near border-crossing points. Components of the project include, among others: (i) a transmission interconnection from the Lao PDR (Luang Namtha) to Myanmar (Shan State, with a possible extension), and (ii) a transmission interconnection from the Lao PDR (Ton Pheung) to Thailand (Mae Chan).	2020 Standby	135.0	90.0	TBD	TBD	Proposed	Luang Namtha, Lao PDR Shan State, Myanmar Ton Pheun, Lao PDR Mae Chan, Thailand NSEC	The project will help address Lao PDR's need to: (i) expand access to low-cost, reliable power in rural areas, and (ii) develop priority power interconnections between	Mr. Chanthaly Chansompheng Office of the GMS National Coordinator, Lao PDR Email: chansompheng@yahoo.com

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Investment projects in RIF 2022 continued

No.	Project Title	Country Coverage	Description	Year of Approval	Cost Estimate (\$ million)		Potential Funding Source and Amount (\$ million)		Status Updates	Key Locations and GMS Economic Corridor Alignment	Expected/Planned Measurable Outputs	Project Contact
					Second Progress Report (2019)	2020 Updates (if any)	Second Progress Report (2019)	2020 Updates (if any)				
10	Lao PDR–Viet Nam Power Transmission Interconnection II	Lao PDR, Viet Nam	This project will (i) construct a 59-kilometer (km), 500-kilovolt (kV) transmission line and a 230 kV/500 kV substation in Hatxan, Lao PDR; and (ii) will construct a 94 km, 500 kV transmission line and expand the existing 220 kV/500 kV substation in Pleiku, Viet Nam. The project will enable the transmission of 3,157 gigawatt-hours/ year of electricity, to be produced by eight small hydropower plants (with a total capacity of 1,013 megawatts[MW]) in southern Lao PDR, to be developed by independent power producers.	TBD	120.0	120.0	World Bank—40.0 Cofinancing (TBD)— 80.0	World Bank—40.0 Cofinancing (TBD)— 80.0	Proposed	Hatxan, Lao PDR Pleiku, Viet Nam SEC	See description	Mr. Chanthaly Chansompheng Office of the GMS National Coordinator, Lao PDR Email: chansompheng@yahoo.com Office of the GMS National Coordinator, Viet Nam Email: cuongmpi@gmail.com

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Investment projects in RIF 2022 continued

No.	Project Title	Country Coverage	Description	Year of Approval	Cost Estimate (\$ million)		Potential Funding Source and Amount (\$ million)		Status Updates	Key Locations and GMS Economic Corridor Alignment	Expected/Planned Measurable Outputs	Project Contact
					Second Progress Report (2019)	2020 Updates (if any)	Second Progress Report (2019)	2020 Updates (if any)				
11	Transmission Inter-connection Project from Lao PDR (Pak Beng or Pak Nguyen) to Thailand (Tha Wang Pha) Inter connection Project from Lao PDR (Pak Beng or Pak Nguyen) to Thailand (Tha Wang Pha)	Lao PDR, Thailand	The project will construct a 500 kV AC transmission line from the Lao PDR (Pak Beng or Pak Nguyen) to Thailand (Tha Wang Pha). When completed, it will be 120 km in length and have 800 MW peak capacity. This project is currently under consideration and subject to a power purchase agreement (PPA) approval by both sides.	TBD	TBD	TBD	TBD	TBD	Proposed	Pak Beng or Pak Nguyen, Lao PDR Tha Wang Pha, Thailand NSEC	See description	Mr. Chanthaly Chansom-pheng Office of the GMS National Coordinator, Lao PDR Email: chansom-pheng@yahoo.com Generation and Transmission System Planning Division, Electricity Generating Authority of Thailand Tel.+662 436 3532 Fax.+662 436 3593 Email: sawapop.t@egat.co.th
Subtotal (Energy Investment Projects)					6,024.0*	4,051.6						

*The amount includes cost of projects in RIF Second Update (2019) but deleted/dropped in RIF Third Update (2020).

Technical Assistance Projects

No.	Project Title	Country Coverage	Description	Year of Approval	Cost Estimate (\$ million)		Potential Funding Source and Amount (\$ million)		Status Updates	Key Locations and GMS Economic Corridor Alignment	Expected/Planned Measurable Outputs	Project Contact
					Second Progress Report (2019)	2020 Updates (if any)	Second Progress Report (2019)	2020 Updates (if any)				
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	The technical assistance (TA) supports the development of a clear basis for regional market rules that would comprise agreed rules and indicative planning of interconnections. It will result in a more functional regional market with genuine exchanges of electricity, leading to an improved reliability and quality of power supply and lower costs. A supplementary TA project was approved in 2017, the outcome of which will be a set of GMS performance standards and grid codes, and an enhanced regulatory framework. Additional output, among others, include feasibility studies for four new interconnection projects.	2014	3.0	3.0	ADB—2.5 PRC Trust Fund—0.5	ADB—2.5 PRC Trust Fund—0.5	<p>Ongoing</p> <p>Performance Standards: Completed under ADB TA and adopted by the countries as a reference document. Lao PDR is using the standards</p> <p>GMS Grid Codes: Draft completed under ADB TA and provided to GMS countries for enforcement.</p> <p>Subregional GMS Transmission Expansion Plan: Under ADB TA, power system studies are ongoing. Draft plan to be completed by June 2020</p>		<p>Regional Power Coordinating Center (RPCC) established and operations commenced through continued support to Regional Power Trade Coordination Committee (RPTCC).</p> <p>GMS performance standards and grid codes considered for implementation by the Working Group on Performance Standards and Grid Code (WGPG).</p>	<p>Mr. Duy-Thanh Bui, SERD, SEEN, ADB Email: buiduythanh@adb.org</p> <p>Aruna Kumuduni Wanniachchi SERD-SEEN, ADB Email: akwan-niachchi@adb.org</p>

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Technical assistance projects in RIF 2022 continued

No.	Project Title	Country Coverage	Description	Year of Approval	Cost Estimate (\$ million)		Potential Funding Source and Amount (\$ million)		Status Updates	Key Locations and GMS Economic Corridor Alignment	Expected/Planned Measurable Outputs	Project Contact
					Second Progress Report (2019)	2020 Updates (if any)	Second Progress Report (2019)	2020 Updates (if any)				
											Guidelines for GMS regulatory framework proposed by the Working Group on Regulatory Issues (WGRI)	
2	Integrated Resource Planning with Strategic Environmental Assessment for Sustainable Power Sector Development in the Greater Mekong Subregion	All GMS Countries	Demand for energy across the Greater Mekong Subregion (GMS) has risen strongly, often at a faster rate pace than economic growth. It is anticipated that energy demand will be tripled over the next 15 to 20 years. In particular, the demand for electricity is growing rapidly, which will require a major expansion of the power system. According to the current power development plans (PDPs) of the respective GMS countries, the total installed capacity of the region is projected to be almost doubled by 2025, mostly driven by large hydro and coal-fired power additions. Along with these developments, environmental and social pressures are expected to be heightened, adding concerns related to climate change. One way to address this concern is to improve the PDP planning process in a way to consider environmental and social impacts at the more upstream stage through strategic environmental assessment (SEA) and to examine all supply-side options and demand-side options using integrated resource planning (IRP). In this regard, this TA is designed to (i) enhance the GMS countries' capacity in applying IRP	2015	2.2	2.5	AFD—1.15 Regional Co-operation and Integration Fund—0.5 Cooperation Fund for Project Preparation in the Greater Mekong Sub-region and in Other Specific Asian	AFD—1.15 ADB—1.35 (Regional Co-operation and Integration Fund—0.5 Cooperation Fund for Project Preparation in the Greater Mekong Sub-region and in Other Specific Asian—0.5 TASF-VI—0.35)	Ongoing. The consulting firm was engaged in May 2016 and has completed (i) inception report; (ii) six GMS Countries Gap Analysis Missions and Report; (iii) one regional workshop and three country workshops in Lao People's Democratic Republic (PDR), Myanmar, and Thailand; (iv) Knowledge Product on Integrating SEA into Power Development Planning in Viet Nam published; (v) two twinning workshops in PRC on Renewable Energy Integration; and in Viet Nam on SEA and (vi) draft report on Strengthening the Policy Framework for Power Sector Planning		1. Viet Nam's IRP and SEA capacity enhanced 2. Awareness among GMS countries increased 3. Knowledge Products (KPs) Shared	Hyunjung Lee, Senior Energy Economist, ADB Email: HJlee@adb.org

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Technical assistance projects in RIF 2022 continued

No.	Project Title	Country Coverage	Description	Year of Approval	Cost Estimate (\$ million)		Potential Funding Source and Amount (\$ million)		Status Updates	Key Locations and GMS Economic Corridor Alignment	Expected/Planned Measurable Outputs	Project Contact
					Second Progress Report (2019)	2020 Updates (if any)	Second Progress Report (2019)	2020 Updates (if any)				
			with SEA in their PDPs; (ii) improve regulations, policies, programs and/or targets for RE and EE as necessary and as validated through the IRP; and (iii) support the cross-border interconnections as necessary and as validated through the IRP. The RETA will particularly focus on Viet Nam as the country has greater potential for mitigating climate change impacts. The RETA impact is a more economically, environmentally, and socially sustainable power sector developed for greater mitigation of climate change impacts in the GMS. The TA outcome is enhanced capacity of Viet Nam and awareness of other GMS countries in applying IRP with SEA in developing its PDP.						with Renewable Energy, Energy Efficiency and Climate Change Mitigation Targets in Viet Nam. In Dec 2018, ADB extended the TA by 2 years with \$1.05 million additional financing in support for renewable energy and energy efficiency development in the GMS and conducted consultation missions in April and May 2019. Revised output 5 to reflect renewable energy road map for Myanmar develop instead of solar road map developed.			
3	GMS Northern Cross-Border Power Trade and Distribution	Lao PDR	The project will examine new potential cross-border power-transmission projects.	2017	1.0	1.0	ADB—1.0	ADB—1.0	Ongoing	One or more of high-voltage cross border connections between: Ban Ton-pheng (Lao) to Mea Chan (THA)	Feasibility study on transmission and distribution projects prepared. Least-cost electrification analysis prepared.	Daniel Miller Finance Specialist, SEEN Email: dmiller@adb.org

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Technical assistance projects in RIF 2022 continued

No.	Project Title	Country Coverage	Description	Year of Approval	Cost Estimate (\$ million)		Potential Funding Source and Amount (\$ million)		Status Updates	Key Locations and GMS Economic Corridor Alignment	Expected/Planned Measurable Outputs	Project Contact
					Second Progress Report (2019)	2020 Updates (if any)	Second Progress Report (2019)	2020 Updates (if any)				
										Ban Ton-pheng (Lao) to Shan State (MYA) Meung Long (Lao) to Shan State (MYA)	Front-end engineering design and bidding documents prepared.	
4	Supporting GMS Regional Sustainable Power Sector Development and the Development of GMS Coordination Center for Regional Power Trade	All GMS Countries	<p>The proposed TA aims to improve energy security and mitigate climate change in the GMS through strengthened regional power cooperation, with an increased use of clean energies, such as renewable energies (RE) and increased energy efficiency and conservation. The TA will support knowledge sharing in GMS sustainable power development by supporting the knowledge centering on (i) energy efficiency (EE) and conservation, (ii) renewable technology deployment and strategic planning; and (iii) innovative technologies for power interconnection.</p> <p>In addition, the project will help set up the Regional Power Coordination Center (RPCC) and build the capacity of national and subregional bodies. These bodies will work with the RPCC in implementing and overseeing cross-border power exchanges; coordinating regional power planning; and developing transmission facilities of regional importance through (i) technical and equipment support and staffing, (ii) staff training, and (iii) support for specific studies (e.g., on tariff structures, operational standards, etc.) and activities (e.g., power planning, database maintenance, etc.).</p>	TBD	TBD	TBD	TBD	TBD	Proposed The Project was expanded with the merging of this project with project #4: Development of GMS Coordination Center for Regional Power Trade		On EE aspect, the proposed TA will entail preparing national energy efficiency action plans for those countries that need learning from other countries experiences, with stronger and better-targeted actions to promote energy efficiency. It will be executed by a high-level national experts that reviews progress in energy efficiency across the subregion; conducts benchmarking; proposes aggressive targets, stronger policies, and subregional convergence; and, where feasible, identifies sources of financial support (e.g., Clean Development Mechanism	Mr. Duy-Thanh Bui, SERD, SEEN, ADB Email: buiduythanh@adb.org

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Technical assistance projects in RIF 2022 continued

No.	Project Title	Country Coverage	Description	Year of Approval	Cost Estimate (\$ million)		Potential Funding Source and Amount (\$ million)		Status Updates	Key Locations and GMS Economic Corridor Alignment	Expected/Planned Measurable Outputs	Project Contact
					Second Progress Report (2019)	2020 Updates (if any)	Second Progress Report (2019)	2020 Updates (if any)				
										<p>and post-Kyoto mechanisms).</p> <p>On RE aspect, it will support preparation of policy manuals based on GMS-appropriate practices in renewable energy and cleaner fuel promotion, continuing knowledge sharing and training, and laying the groundwork for investment projects in renewable energy.</p> <p>On climate mitigation aspect, it will assist the GMS countries in adopting specific climate-mitigation measures for the power interconnection projects; establish measurable targets and action</p>		

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Technical assistance projects in RIF 2022 continued

No.	Project Title	Country Coverage	Description	Year of Approval	Cost Estimate (\$ million)		Potential Funding Source and Amount (\$ million)		Status Updates	Key Locations and GMS Economic Corridor Alignment	Expected/Planned Measurable Outputs	Project Contact
					Second Progress Report (2019)	2020 Updates (if any)	Second Progress Report (2019)	2020 Updates (if any)				
											plans for reducing greenhouse gas emissions resulting from power sector development; adopt measures for renewable energy and energy efficiency improvements over time that can be monitored against a well-defined baseline; and to clearly define the public policy interventions under the action plans. These activities will all contribute to sustainable power sector development and climate change mitigation.	
Subtotal (Energy Projects)					10.2*	6.5						
Total (Energy Investment and TA Projects)					6,034.2*	4,058.1						

*The amount includes cost of projects in RIF Second Update (2019) but deleted/dropped in RIF Third Update (2020).

Agriculture

Investment Projects

No.	Project Title	Country Coverage	Description	Year of Approval	Cost Estimate (\$ million)		Potential Funding Source and Amount (\$ million)		Status Updates	Key Locations and GMS Economic Corridor Alignment	Expected/Planned Measurable Outputs	Project Contact																				
					Second Progress Report (2019)	2020 Updates (if any)	Second Progress Report (2019)	2020 Updates (if any)																								
1	Greater Mekong Subregion (GMS) Flood and Drought Risk Management and Mitigation Project	Cambodia, Lao PDR, Viet Nam	<p>The Asian Development Bank (ADB) is helping the Lao PDR and Viet Nam reduce economic losses resulting from floods and droughts. The project will combine upgrades in water- management infrastructure with community-based disaster risk management and enhanced regional forecasting in order to improve disaster preparedness in the GMS.</p> <p>The breakdown of the estimated costs in terms of millions of dollars is as follows:</p> <table border="1"> <thead> <tr> <th>Country</th> <th>Lao PDR</th> <th>Viet Nam</th> <th>Total</th> </tr> </thead> <tbody> <tr> <td>ADB</td> <td>36.5</td> <td>45.0</td> <td>81.5</td> </tr> <tr> <td>Government</td> <td>0.6</td> <td>13.5</td> <td>14.1</td> </tr> <tr> <td>Cofinancing</td> <td>0.0</td> <td>5.9</td> <td>5.9</td> </tr> <tr> <td>Total</td> <td>37.1</td> <td>64.4</td> <td>101.5</td> </tr> </tbody> </table>	Country	Lao PDR	Viet Nam	Total	ADB	36.5	45.0	81.5	Government	0.6	13.5	14.1	Cofinancing	0.0	5.9	5.9	Total	37.1	64.4	101.5	2013	101.5	101.5	ADB—81.5 Governments of the Lao PDR and Viet Nam—14.1 Cofinancing (Government of Australia)—5.9	ADB—81.5 Governments of the Lao PDR and Viet Nam—14.1 Cofinancing (Government of Australia)—5.9	<p>Cambodia: Ongoing The project closing date has been extended from 30 September 2019 to 31 March 2021. The project is on track with estimated 88% overall physical progress. Activities of Output 1 and Output 3 have largely been completed an output 2 making progress and construction works are expected to be completed during the extended period.</p> <p>Lao PDR: Ongoing Project team working on extending the closing date to 21 May 2021 to complete outstanding activities which were delayed due to Covid-19. With possible savings, the EA will propose to install additional drainage pumps.</p> <p>Viet Nam: Completed The project was completed on 30 September 2019.</p>	<p>Cambodia: Nationwide and Pursat province</p> <p>Lao PDR: Nationwide</p> <p>Viet Nam: SEC</p>	<ol style="list-style-type: none"> Enhanced regional data, information, and knowledge base for the management of floods and droughts; Upgraded water management infrastructure; Enhanced capacity for CBDRM Effective project implementation. 	<p>Cambodia: H.E. Ponh Sachak, Project Director and Secretary of State Email: sachakponh@gmail.com Tel: 855 12908751</p> <p>Piseth Long SERD/Cambodia Resident Mission plong@adb.org</p> <p>Lao PDR: Dr. Khamphachanh Vongsana, Deputy Director General, Department of Irrigation, MAF Mobile: 02055546830 2055933585</p> <p>Vanthong Inthavong Lao Resident Mission, ADB Email: vinthavong@adb.org</p>
Country	Lao PDR	Viet Nam	Total																													
ADB	36.5	45.0	81.5																													
Government	0.6	13.5	14.1																													
Cofinancing	0.0	5.9	5.9																													
Total	37.1	64.4	101.5																													

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Investment projects in RIF 2022 continued

No.	Project Title	Country Coverage	Description	Year of Approval	Cost Estimate (\$ million)		Potential Funding Source and Amount (\$ million)		Status Updates	Key Locations and GMS Economic Corridor Alignment	Expected/Planned Measurable Outputs	Project Contact
					Second Progress Report (2019)	2020 Updates (if any)	Second Progress Report (2019)	2020 Updates (if any)				
												<p>Viet Nam: Mr. Pham Dinh Van, Director General, Central Project Office Directorate of Water Resources, MARD, Viet Nam Email: van_cpo@yahoo.com.vn Tel: +84-38253921</p> <p>Do Nhat Hoang Viet Nam Resident Mission, ADB Email: dohoang@adb.org</p>
2	Basic Infrastructure for Inclusive Growth in the North-eastern Provinces Sector Project (BIIG 1)	Viet Nam	<p>BIIG 1, the proposed project, will (i) rehabilitate and upgrade about 265 kilometers (km) of roads in the four northeastern provinces; (ii) install 10 rural domestic water-supply schemes; (iii) provide infrastructure support for agricultural and rural value chains in Lang Son; and (iv) strengthen provincial- infrastructure-asset management.</p> <p>The project is aligned with ADB's long-standing support for the GMS Economic Cooperation Program Strategic Framework 2012–2022, which prioritizes local and regional economic</p>	2017	197.2	190.3	ADB—150.0 Government of Viet Nam—37.2 Cofinancing—10.0	ADB—150.0 Government of Viet Nam—40.3	<p>Ongoing. Loan agreement was signed in April 2018, became effective on 1 October 2018. Loan implementation consultant has been mobilized; project management units have been set up. Contract award and disbursement started in 2020.</p>	Bac Kan, Cao Bang, Ha Giang, Lang Son NSEC	Road network connectivity improved; Rural water supply improved; Agriculture and rural value chain infrastructure in Lang Son province improved; and Decentralized public asset	<p>Mr. Ly Thai Hai Chairman Bac Can PPC Email: vpubnd@backan.gov.vn Fax: +84-02093871751</p> <p>Mr. Nguyen Van Son Chairman of Ha Giang Province Fax: +84-02193866-204</p>

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Investment projects in RIF 2022 continued

No.	Project Title	Country Coverage	Description	Year of Approval	Cost Estimate (\$ million)		Potential Funding Source and Amount (\$ million)		Status Updates	Key Locations and GMS Economic Corridor Alignment	Expected/Planned Measurable Outputs	Project Contact
					Second Progress Report (2019)	2020 Updates (if any)	Second Progress Report (2019)	2020 Updates (if any)				
			development through multi-sector investments that require strong cross-sector linkages and integration, particularly with special economic zones and border areas								management processes established.	Mr. Ho Tien Thieu Chairman of Lang Son Province Email: vanphong@langson.gov.vn Fax: +84-0205-3814302 Mr. Hoang Xuan Anh Chairman, Cao Bang Province Email: vpubndtin@caobang.gov.vn Fax: +84-0263852866
3	Basic Infrastructure for Inclusive Growth in the North Central Provinces Sector Project (BIIG 2)	Viet Nam	The proposed project will accelerate the socioeconomic development of the four north central provinces. It will (i) rehabilitate and upgrade district and provincial roads in the north central provinces; (ii) support productive and business infrastructure, including water supply networks, sea and river protection, and drainage works with associated river transport infrastructure, and support flood and irrigation command areas; and (iii) establish decentralized public-asset-management processes, and build road, water-supply, and irrigation infrastructure.	2017	203.5	203.5	ADB—149.0 Government of Viet Nam—54.5	ADB—149.0 Government of Viet Nam—54.5	Ongoing (Approved in December 2017) Loan agreement was signed on 23 July and the loan became effective on 25 October 2018. Loan implementation consultant recruitment is almost complete. Project management units have been set up; contract award and disbursement started in 2020.	Ha Tinh, Nghe An, Quang Binh, and Quang Tri North Central provinces along EWEC	Locally prioritized basic infrastructure subprojects implemented, including (i) upgrading district roads; (ii) improving productive and business infrastructure such as (a) rural domestic water supply	Mr. Nguyen Hong Linh Vice Chairman Ha Tinh City, Ha Tinh Province Tel: +84 239 3855581 Email: vanphongu_bndht@gmail.com

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Investment projects in RIF 2022 continued

No.	Project Title	Country Coverage	Description	Year of Approval	Cost Estimate (\$ million)		Potential Funding Source and Amount (\$ million)		Status Updates	Key Locations and GMS Economic Corridor Alignment	Expected/Planned Measurable Outputs	Project Contact
					Second Progress Report (2019)	2020 Updates (if any)	Second Progress Report (2019)	2020 Updates (if any)				
			The project is aligned with ADB's long-standing support to the GMS Cooperation Program Strategic Framework 2012–2022, which prioritizes local and regional economic development through multi-sector investments that require strong cross-sector linkages and integration, particularly with special economic zones and border areas.								<p>schemes (RDWS), (b) coastal defenses and flood protection, (c) a river port, and (d) irrigation reservoirs; and (iii) establishing provincial public asset management systems.</p> <p>Mr. Thai Thanh Quy Chairman Vinh City, Nghe An Province Tel: +84 238 3844859 Email: vpubnd@nghean.gov.vn</p> <p>Mr. Nguyen Xuan Quang Vice Chairman in-charge, Quang Binh Province Dong Hoi City, Quang Binh Province Tel: +84 232 3813076 Email: nguyen-hu uhoaiqb@gmail.com</p> <p>Mr. Vo Van Hung Chairman Dong Ha City, Quang Tri Province Tel: +84 913 485 193 Email: vpubndt@quangtri.gov.vn ADB Project</p>	

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Investment projects in RIF 2022 continued

No.	Project Title	Country Coverage	Description	Year of Approval	Cost Estimate (\$ million)		Potential Funding Source and Amount (\$ million)		Status Updates	Key Locations and GMS Economic Corridor Alignment	Expected/Planned Measurable Outputs	Project Contact
					Second Progress Report (2019)	2020 Updates (if any)	Second Progress Report (2019)	2020 Updates (if any)				
												Officer: Khuc, Huong Thi Lan Viet Nam Resident Mission, ADB Email: kthu-ong@adb.org
4	Climate Friendly Agribusiness Value Chains Sector Project	Cambodia, Lao PDR, Myanmar	The project will promote activities under pillars 2 and 3 of the Core Agriculture Support Program II, on climate-friendly agriculture and bioenergy. The project will invest in the development of climate-friendly pro-poor agribusiness value chains in the GMS. It will focus on rehabilitating critical production and post-harvest infrastructure to effectively link farming communities and urban centers along the corridors by developing upstream and downstream linkages. Key infrastructure investments will include efficient roads that provide access to markets; renewable bioenergy systems that can meet the growing energy needs of rural communities; and (iii) efficient storage, processing- and-aggregation, grading, and marketing- and-logistics infrastructure to ensure the delivery of safe quality food products.	2018	252.4	252.4	ADB—171.0 Cofinancing (Green Climate Fund or Global Agriculture Food Security Program-[GAF-SP])—62.0 Governments of Cambodia, Lao PDR, and Myanmar—9.6 Beneficiaries—9.8	ADB—171.0 Cofinancing (Green Climate Fund or Global Agriculture Food Security Program-[GAF-SP])—62.0 Governments of Cambodia, Lao PDR, and Myanmar—9.6 Beneficiaries—9.8	Ongoing Approved for Cambodia on 29 June 2018; approved for Lao PDR on 30 July 2018; and Myanmar on 9 October 2018. Myanmar NPSC, PMU, RPIUs have already been organized; the start-up procurement specialist and financial management specialist commenced assignment in September 2019 and expected to complete the task in September 2020: Consulting contracts with the Agricultural Digital Finance Service Specialist was signed on 24 June 2020 and commenced on 2 August 2020. Project Implementation Consultant Firm-SOFRECO has signed on 8 May 2020. Consultants'	Cambodia SEC Lao PDR: NSEC Myanmar: NSEC	Critical agribusiness value chain infrastructure improved and made climate-resilient. Climate-smart agriculture and agribusiness promoted. Enabling environment for climate-friendly agribusiness enhanced.	Cambodia: Dr. Sangha Sam Chom Deputy Secretary General, Ministry of Agriculture, Forestry & Fisheries # 40 Norodom Blvd. Phnom Penh Cambodia Lao PDR: Mr. Khampong Vongpachan Deputy Director, Department of Technical Extension, and Agro-Processing, Ministry of Agriculture and Forestry Myanmar: Mr. Aye Ko Ko Deputy Director General, Department of Agriculture, Ministry of Agriculture,

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Investment projects in RIF 2022 continued

No.	Project Title	Country Coverage	Description	Year of Approval	Cost Estimate (\$ million)		Potential Funding Source and Amount (\$ million)		Status Updates	Key Locations and GMS Economic Corridor Alignment	Expected/Planned Measurable Outputs	Project Contact
					Second Progress Report (2019)	2020 Updates (if any)	Second Progress Report (2019)	2020 Updates (if any)				
									mobilization was delayed due to COVID-19 travel restrictions; national consultants commenced on 1 August 2020 while contract awards for civil works commenced in July 2020 and Laboratory upgrades in September 2020.			Livestock & Irrigation Email: cfavc.pmu.doa@gmail.com; Fax: +95 67 410581 Phone: +95 67 410411
5	GMS Flood and Drought Risk Management and Mitigation Project (additional financing)	Lao PDR	ADB is helping the Lao PDR and Viet Nam reduce economic losses resulting from floods and droughts. The project will combine upgrades in water management infrastructure with community-based disaster risk management and enhanced regional forecasting to improve GMS disaster preparedness.	2020	67.0	67.0	ADB—42.0 Government of the Lao PDR—5.0	ADB—42.0 Government of the Lao PDR—5.0	Proposed Cofinancier sought. The Ministry of Agriculture and Forestry is planning to pursue this project with ADB support.	Lao PDR: Nationwide	1. Enhanced regional data, information, and knowledge base for the management of floods and droughts Upgraded water management infrastructure 3. Enhanced capacity for CBDRM 4. Effective project implementation	LAO: (until 2020) Dr. Kh-amphachanh Vongsana, Deputy Director General, Department of Irrigation, MAF Mobile: 02055546830 2055933585

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Investment projects in RIF 2022 continued

No.	Project Title	Country Coverage	Description	Year of Approval	Cost Estimate (\$ million)		Potential Funding Source and Amount (\$ million)		Status Updates	Key Locations and GMS Economic Corridor Alignment	Expected/Planned Measurable Outputs	Project Contact
					Second Progress Report (2019)	2020 Updates (if any)	Second Progress Report (2019)	2020 Updates (if any)				
6	Agribusiness Competitiveness Development Project (formerly Agricultural Value Chain Infrastructure Improvement Project)	Cambodia	The project will improve value chains of selected key agricultural commodities in six contiguous target provinces in northern, central and eastern Cambodia in order to make these commodities more competitive for regional agriculture trade with neighboring Thailand, Lao PDR, and Viet Nam. The project impact will be value addition in agriculture sector enhanced. The project outcome will be value addition to selected agricultural products in the project area increased.	2020	76.0	76.0	ADB—70.0 Government of Cambodia—6.0	ADB—70.0 Government of Cambodia—6.0	Proposed	Several provinces, some of which are along Southern Economic Corridor	1. post-harvest and logistic facilities strengthened; 2. agricultural production and service infrastructure improved; 3. rural connectivity and disaster risk management capacity improved; and 4. business partnership among value chain stakeholders enhanced.	Takeshi Ueda, SERD/ADB tueda@adb.org Ministry of Agriculture, Forestry and Fisheries, Cambodia

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Investment projects in RIF 2022 continued

No.	Project Title	Country Coverage	Description	Year of Approval	Cost Estimate (\$ million)		Potential Funding Source and Amount (\$ million)		Status Updates	Key Locations and GMS Economic Corridor Alignment	Expected/Planned Measurable Outputs	Project Contact
					Second Progress Report (2019)	2020 Updates (if any)	Second Progress Report (2019)	2020 Updates (if any)				
7	GMS Cross-border Livestock Health and Value Chains Improvement Project (formerly Animal Disease Control Zone)	Cambodia, PRC, Lao PDR, Myanmar	<p>Subprojects in Cambodia will focus on (i) the development of quarantine zones, including border quarantine posts (12 along the Cambodia–Thailand border and 8 along the Cambodia–Viet Nam border); (ii) the development of a livestock identification and traceability system; R&D in disease control and prevention; (iv) capacity building; and (v) a surveillance system.</p> <p>Livestock disease-control zones in key border areas of the PRC (Yunnan Province), Lao PDR, and Myanmar (towns of Muse and Myawaddy) will be set up to (i) mitigate and manage the risk of foot- and-mouth disease via cattle; (ii) control other key production and zoonotic diseases; and (iii) serve as a buffer zone for regulating livestock trade between the PRC and other GMS countries. The zone will house facilities for preventive measures such as animal identification (tagging), livestock movement management (e-traceability), quarantine, serological and pathological surveillance work, and vaccination facilities and services. Food- safety pathogen and residue testing can be added to the system once operational. It is also important to encourage the private sector to be involved in the zone and to set up modern slaughterhouses, meat processing, and biodigester facilities, as well as local feedlots, through PPP schemes.</p>	2021	235.0	235.0	ADB—225.0, Private sector, Governments of Cambodia, the Lao PDR, and Myanmar—10.0, Banks in PRC	ADB—225.0, Private sector, Governments of Cambodia, the Lao PDR, and Myanmar—10.0, Banks in PRC CAM—75, LAO—60 MYA—90	<p>Proposed Endorsed by the Second GMS Agriculture Ministers’ Meeting, September 2017</p> <p>PRC: has not confirmed for loan from this project</p> <p>Lao PDR is in the process of preparing project with delay in non-objection letter</p>	East-West and North-South Corridors		<p>GMS WGA Focal Points</p> <p>Myanmar GMS WGA +95 67 410120 dop.asean@gmail.com</p>

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Investment projects in RIF 2022 continued

No.	Project Title	Country Coverage	Description	Year of Approval	Cost Estimate (\$ million)		Potential Funding Source and Amount (\$ million)		Status Updates	Key Locations and GMS Economic Corridor Alignment	Expected/Planned Measurable Outputs	Project Contact
					Second Progress Report (2019)	2020 Updates (if any)	Second Progress Report (2019)	2020 Updates (if any)				
8	Agro-industrial zones (AIZs) to support promotion of safe and environment-friendly agro-based value chains	Cambodia, PRC, Lao PDR, Myanmar, Viet Nam	Each country designs its agro-industrial zone (AIZ) subprojects to promote safe and environment-friendly agriculture products (SEAPs) with a focus on (i) demonstrations for small and medium-sized enterprises (SMEs); (ii) processing, packaging, and labeling facilities, as well as common post-farm product facilities (cold storage and warehouses), laboratories, one-stop shops for inspection, and quarantine for SEAP products; (iii) strategic collection centers linked to common post-farm facilities that empower the farmers and community via access to quick and reliable testing; (iv) supply chain management; (v) aquaculture value chain development; (vi) tools to ensure quality assurance; (vii) capacity building and institution building, and research and development; promotion of participatory guarantee systems; integration into SEAP wholesale markets or organic retail markets; and (x) integration into biochar and waste management.	2022	286.0	286.0 (Cost estimates per country to be confirmed)	ADB Private sector Governments of the PRC, Lao PDR, Myanmar, and Viet Nam via public-private partnerships (PPPs)	ADB Private sector Governments of the PRC, Lao PDR, Myanmar, and Viet Nam via public-private partnerships (PPPs)	<p>Proposed (Endorsed by the Second GMS Agriculture Ministers' Meeting, September 2017)</p> <p>Cambodia wants to retain but needs to be verified for future programming.</p> <p>PRC: No update but retains interest</p> <p>Lao PDR is continuing interest and details of the project should be discussed with other related agencies.</p> <p>Myanmar will continue to support the project</p> <p>Viet Nam retains interest; this project should be included into the CPM agenda to discuss with related ministries.</p>	NSEC		<p>GMS Working Group on Agriculture (WGA) Focal Points</p> <p>Myanmar GMS WGA +95 67 410120 dop.asean@gmail.com</p>

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Investment projects in RIF 2022 continued

No.	Project Title	Country Coverage	Description	Year of Approval	Cost Estimate (\$ million)		Potential Funding Source and Amount (\$ million)		Status Updates	Key Locations and GMS Economic Corridor Alignment	Expected/Planned Measurable Outputs	Project Contact
					Second Progress Report (2019)	2020 Updates (if any)	Second Progress Report (2019)	2020 Updates (if any)				
9	Cluster and Value Chain Development for Geographical Indications related to SEAP	Cambodia, PRC, Lao PDR,	Based on unique advantages of geography, resources, environment, and technology, the project will promote characteristic and advantageous agriculture and develop a series of agro-products with geographical indications (GI) to build industry clusters of characteristic and advantageous agriculture in the GMS. Main project components include (i) improvement of agricultural infrastructure construction for GI products; (ii) agricultural science and technology innovation and extension services for GI products; (iii) reform and innovation of management and operation of GI agriculture; (iv) capacity building and knowledge innovation; and (v) awareness raising and marketing.	2023	345.0	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 PRC, Lao PDR, and Myanmar	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 PRC, Lao PDR, and Myanmar	<p>Proposed (Endorsed by GMS Agriculture Ministers' Meeting, September 2017)</p> <p>PRC: has not confirmed borrowing but retains interest</p> <p>CAM wants to retain but needs to be verified for future programming</p> <p>Lao PDR is continuing interest and details of the project should be discussed with other related agencies.</p> <p>Myanmar will not continue to support the project</p>	East-West and North-South Corridors		
10	GMS East-West Economic Corridor Agriculture Infrastructure Sector Project (additional financing)	Lao PDR	The project will continue to support the transformation of the East-West Economic Corridor (EWEC) into an inclusive economic growth corridor, and to target areas of good agricultural potential with existing irrigation schemes. It will regenerate, replace, and upgrade underdeveloped or outdated agricultural infrastructure, including that concerned with irrigation and rural access. The project will also continue to support capacity development at the farm level for managing and using	2022	67.0	67.0	ADB—42.0 Cofinancing —20.0 Government of the Lao PDR —5.0	ADB—42.0 Cofinancing —20.0 Government of the Lao PDR —5.0	Proposed	Khoueng Savannakhet, Salavan EWEC	<p>1.Improved agriculture infrastructure;</p> <p>2.Increased capacity of farmers to manage and use agriculture infrastructure efficiently;</p> <p>3.Efficient project management</p>	Ms. Niloofar Sadeghi SERD/SEER, ADB

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Investment projects in RIF 2022 continued

No.	Project Title	Country Coverage	Description	Year of Approval	Cost Estimate (\$ million)		Potential Funding Source and Amount (\$ million)		Status Updates	Key Locations and GMS Economic Corridor Alignment	Expected/Planned Measurable Outputs	Project Contact
					Second Progress Report (2019)	2020 Updates (if any)	Second Progress Report (2019)	2020 Updates (if any)				
			agriculture infrastructure efficiently and effectively, so as to optimize agricultural outputs and sustain agricultural practices and trade.									
11	Climate Smart Horticulture Value Chain Infrastructure Project	Viet Nam		2021	TBD	TBD	ADB, Other DPs-TBD	ADB, Other DPs-TBD	Proposed. The Project Proposal has been submitted to the Prime Minister for approval.			Takeshi Ueda SERD/SEER Email: tueda@adb.org
12	GMS Economic Corridor Agribusiness Development	Myanmar		TBD	150.0	150.0	ADB	ADB	Proposed Myanmar needs to align the projects with its Country Operation Business Plan with ADB			Ryutaro Takaku SERD/SEER Email: rtakaku@adb.org Myanmar GMS WGA +95 67 410120 dop.asean@gmail.com
Subtotal (Agriculture Investment Projects)					1,980.6*	1,973.7						

*The amount includes cost of projects in RIF Second Update (2019) but deleted/dropped in RIF Third Update (2020).

Technical Assistance Projects

No.	Project Title	Country Coverage	Description	Year of Approval	Cost Estimate (\$ million)		Potential Funding Source and Amount (\$ million)		Status Updates	Key Locations and GMS Economic Corridor Alignment	Expected/Planned Measurable Outputs	Project Contact
					Second Progress Report (2019)	2020 Updates (if any)	Second Progress Report (2019)	2020 Updates (if any)				
1	Climate-Friendly Agribusiness Value Chains in the GMS	Cambodia, Lao PDR, Myanmar	The main outputs of the project preparatory technical assistance (PPTA) will include detailed reports on feasibility assessments, including technical, economic, and financial due diligence concerning priority agribusiness value chains in Cambodia, the Lao PDR, and Myanmar. The PPTA will produce an agreed project design in relation to the four outputs of the investment project (agribusiness value chain infrastructure, bioenergy use and sustainable biomass management, agribusiness policy and capacity- support services, and project implementation and knowledge management) with implementation arrangements suitable for each country. The PPTA will define the scope and cost of investments, subproject locations and activities, financing plan, implementation arrangements, procurement strategy, technology issues, capacity development needs, and post-project operation and project maintenance arrangements.	2015	2.5	2.5	Canadian Climate Fund for the Private Sector—1.0 Asia Clean Energy Fund (ACEF)—1.5	Canadian Climate Fund for the Private Sector—1.0 Asia Clean Energy Fund (ACEF)—1.5	Completed on 30 September 2018.		Detailed reports on feasibility assessment (technical, economic and financial due diligence) of priority agribusiness value chains in CLM countries; agreed project design in relation to the four outputs (agribusiness value chain infrastructure, bioenergy use and sustainable biomass management, agribusiness policy and capacity support services, and project implementation and knowledge management) with implementation arrangements suitable for each country.	Srinivasan Ancha, Environment, Natural Resources & Agriculture Division, South-east Asia Department, ADB asrinivasan@adb.org

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Technical assistance projects in RIF 2022 continued

No.	Project Title	Country Coverage	Description	Year of Approval	Cost Estimate (\$ million)		Potential Funding Source and Amount (\$ million)		Status Updates	Key Locations and GMS Economic Corridor Alignment	Expected/Planned Measurable Outputs	Project Contact
					Second Progress Report (2019)	2020 Updates (if any)	Second Progress Report (2019)	2020 Updates (if any)				
2	Agricultural Value Chain Infrastructure Investment Project	Cambodia	The transaction technical assistance will (i) assist in the design of the Agricultural Value Chain Infrastructure Improvement Project which aims to tackle the core sector problem of low productivity, low value addition, and low resource efficiency of Cambodia's agriculture; conduct financial and integrity due diligence of the potential participating financial institutions; (ii) carry out technical, financial, economic, procurement, social, gender and environmental due diligence required by ADB and the government; (iv) propose the implementation arrangements; (v) ensure synergies and integration with other related interventions; and (vi) prepare the project documents according to ADB requirements. It will also provide support to incorporate climate change adaptation and mitigation measures in the design of value chain infrastructure and facilities.	2018	2.0	4.0	Part of ADB TRTA Facility	Japan Fund for Poverty Reduction—3.0 Project Readiness Improvement Trust Fund—1.0	Ongoing. Project completion was extended from June 2020 to June 2021.	Kampong Cham, Kampong Thom, Otar Meanchey, Preah Vihear, Siem Reap, Tboung Khmum	1. Value chain analyses for selected agricultural products conducted. 2. Investment feasibility studies and due diligence prepared. 3. Design of agricultural value chain financing mechanisms developed. 4. Detailed engineering designs and bidding documents prepared	Takeshi Ueda, SERD/ ADB Email:tueda@adb.org
3	GMS Sustainable Agriculture and Food Security Program (formerly called "Implementing the Strategy on Agro-based Value Chain Investments in the GMS")	All GMS countries	The TA aims to support the implementation of the Strategy for Promoting Safe and Environment-friendly Agro-based Value Chains in the GMS, 2018-2022 comprised six themes: (i) green agribusiness supply chains management, (ii) green agribusiness supply chains management, (iii) climate smart agribusiness financing; (iii) crops safety standards; (iv) livestock, transboundary animal disease control, antimicrobial resistance control; (v) climate-smart water and soil management; and (vi) transformational adaptation of GMS agriculture.	2019	TBD	4.5	Nordic Development Fund (NDF) Other Donors (TBC)	ADB—3.75 (TASF – 3.0; Climate Change Fund —0.75) PRC Poverty Reduction and Regional Cooperation Fund — 0.75	Ongoing. Approved in December 2019. 19 Firms expressed interest and 6 firms shortlisted to submit technical and financial proposals; Consulting firm selected is expected to be on board by September 2020 taking into account COVID-19 related travel restrictions.	Nationwide in all GMS countries	1. Climate-friendly, inclusive, and gender-responsive agri-food value chains and agribusinesses strengthened; 2. Harmonized crop and livestock safety and	Srinivasan Ancha Environment, Natural Resources & Agriculture Division, Southeast Asia Department, ADB asrinivasan@adb.org

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Technical assistance projects in RIF 2022 continued

No.	Project Title	Country Coverage	Description	Year of Approval	Cost Estimate (\$ million)		Potential Funding Source and Amount (\$ million)		Status Updates	Key Locations and GMS Economic Corridor Alignment	Expected/Planned Measurable Outputs	Project Contact
					Second Progress Report (2019)	2020 Updates (if any)	Second Progress Report (2019)	2020 Updates (if any)				
											quality systems adopted; and 3. Climate-adaptive agriculture in the context of the water-energy-food security nexus enhanced	
4	Climate Change Adaptation in Highland Agriculture (formerly Enhancing Productivity and Competitiveness of Safe and Environment Friendly Agriculture)	Thailand	<p>The TA will focus on enhancing competitiveness of highland agriculture by piloting models such as Kok Nang Na integrated farming systems that will change slash and burn practices to sustainable highland agriculture practices.</p> <p>The TA is aligned with 20 National Strategy including the King Rama 9's philosophy. TA will build technical and institutional capacities to assess vulnerabilities, demonstrate climate-smart agriculture practices and digital technologies for traceability of agri-food products, and support local governments to integrate climate change concerns in agricultural planning.</p>	2020	5.0	2.0	Trust Fund —2.0	Japan Fund for Poverty Reduction – 2.0	<p>Ongoing.</p> <p>The project was approved by the Government of Japan on 19 May 2020 and by ADB Management on 19 June 2020. The Ministry of Agriculture and Cooperatives (MOAC) by Office of Agricultural Economics Thailand will arrange a signing ceremony between MOAC and ADB in August 2020 to confirm implementation arrangements for the KSTA.</p>	Nationwide	<ol style="list-style-type: none"> Capacity to assess climate change vulnerability of highland agriculture improved Gender-responsive, CSA practices prioritized and demonstrated Agricultural product quality, value addition, and market linkages enhanced Capacity of local governments and communities to address climate change strengthened 	<p>Office of Agricultural Economics, Ministry of Agriculture and Cooperatives</p> <p>Pasinee pasinee23@gmail.com</p> <p>Suvisit warm.suvisit@gmail.com Tel/Fax 02-579-5830</p>

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Technical assistance projects in RIF 2022 continued

No.	Project Title	Country Coverage	Description	Year of Approval	Cost Estimate (\$ million)		Potential Funding Source and Amount (\$ million)		Status Updates	Key Locations and GMS Economic Corridor Alignment	Expected/Planned Measurable Outputs	Project Contact
					Second Progress Report (2019)	2020 Updates (if any)	Second Progress Report (2019)	2020 Updates (if any)				
5	Economic Corridor Agribusiness Development	Myanmar	The project will support value chain development in priority economic corridors in Myanmar, building on the Climate-Friendly Agribusiness Value Chain Project and the Irrigated Agriculture Inclusive Development Project. It will seek to promote linkages with planned and ongoing transport investments in the ADB portfolio and will adopt an area-based approach to fostering agribusiness links.	2022 or 2023	TBD	TBD	TBD	TBD	Proposed			
6	Supporting Infrastructure Development of Agro-industrial Zones for SEAP	Cambodia, PRC, Myanmar	The project involves (i) facilitating and/or enabling farmer cooperatives to engage in contract farming with the private sector to promote SEAP cultivation (crops, horticulture, vegetables, industrial crops, livestock, and aquaculture); (ii) controlling and efficiently using acceptable pesticides and fertilizers to boost SEAP production; (iii) strengthening institutions and building the capacity of government officials to deliver services and manage agro-industrial zones (AIZs), and building the capacity of farmers to produce SEAPs for the AIZs; (iv) promoting appropriate technologies, such as Good Agricultural Practices (GAP), Good Animal Husbandry Practices (GAHP), Good Aquaculture Practices (GAQP), and Good Handling Practices (GHP), as well as Good Manufacturing Practices (GMP); and (v) managing supply chains.	2020	5.0	5.0	ADB, Other donors, Private sector	ADB, Other donors, Private sector	Proposed			GMSWGA Focal Points

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Technical assistance projects in RIF 2022 continued

No.	Project Title	Country Coverage	Description	Year of Approval	Cost Estimate (\$ million)		Potential Funding Source and Amount (\$ million)		Status Updates	Key Locations and GMS Economic Corridor Alignment	Expected/Planned Measurable Outputs	Project Contact
					Second Progress Report (2019)	2020 Updates (if any)	Second Progress Report (2019)	2020 Updates (if any)				
7	Geographic Indications (GI) Value Chain Development and Brand Building	Cambodia, PRC, Myanmar, Viet Nam	The project includes: (i) the development of value chain financing; promotion of public-private partnership (PPP) schemes; (iii) development of farmer organizations; (iv) establishment of GI processes and regulations; (v) capacity and institution building, including inter-ministerial and public-private dialogue; (vi) incubator development (R&D to increase productivity); (vii) guidelines for responsible agribusiness investments; (viii) R&D on production and processing; and (ix) capacity building and cooperation.	2020	18.0	18.0	AFD, ADB, FAO, Private sector, Governments of Cambodia, PRC, and Viet Nam	AFD, ADB, FAO, Private sector, Governments of Cambodia, PRC, and Viet Nam	Proposed Viet Nam: retains interest to pursue project			
8	Agribusiness Incubator Development	Cambodia, Lao PDR, Myanmar	Strengthening small and medium-sized enterprises (SMEs), forging links between SMEs and smallholder farmers, and prioritizing farmers from agribusiness incubators and farmers dedicated to SEAPs.	2020	19.0	19.0	ADB, International Finance Corporation (IFC), Other donors, Private sector	ADB, International Finance Corporation (IFC), Other donors, Private sector	Proposed Lao PDR will not pursue as the objective of this project is being addressed in the Climate Friendly Agribusiness Value Chains Sector Project			
9	GMS Cross-Border Livestock Health and Value Chains Improvement (formerly called Animal Disease Control Zone)	Cambodia, PRC, Lao PDR, Myanmar	The project includes (i) building an e-traceability system for tracking livestock movement along GMS borders to better control transboundary animal diseases; (ii) investigating animal movement along the borders between the PRC and the other GMS countries, and conducting research on the livestock product value chain; (iii) building capacity in related fields; (iv) establishing financing mechanisms for sustaining the zones; (v) developing surveillance and inspection systems; and (vi) fostering technical exchanges between animal disease laboratories in GMS countries.	TBD	5.0	5.0	TBD	TBD	Proposed Myanmar: Negotiations are underway.			GMS WGA Focal Points in target countries Myanmar Focal: MOALI Livestock, Breeding and Veterinary Department, MOALI is Focal.

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Technical assistance projects in RIF 2022 continued

No.	Project Title	Country Coverage	Description	Year of Approval	Cost Estimate (\$ million)		Potential Funding Source and Amount (\$ million)		Status Updates	Key Locations and GMS Economic Corridor Alignment	Expected/Planned Measurable Outputs	Project Contact
					Second Progress Report (2019)	2020 Updates (if any)	Second Progress Report (2019)	2020 Updates (if any)				
10	GMS East-West Economic Corridor Agriculture Infrastructure Sector Project (additional financing)	Lao PDR	This TA project will prepare the due diligence for additional financing to support the transformation of the EWEC into an inclusive economic corridor; and it will target areas with good agricultural potential by including them in existing irrigation schemes.	TBD	1.0	1.0	ADB (Part of TA Facility)	ADB (Part of TA Facility)	Proposed	EWEC		Ms. Niloofer Sadeghi SERD/SEER, ADB
Subtotal (Agriculture Projects)					60.0*	61.0						
Total (Agriculture Investment and TA Projects)					2,040.6*	2,034.7						

*The amount includes cost of projects in RIF Second Update (2019) but deleted/dropped in RIF Third Update (2020).

Environment

Investment Projects

No.	Project Title	Country Coverage	Description	Year of Approval	Cost Estimate (\$ million)		Potential Funding Source and Amount (\$ million)		Status Updates	Key Locations and GMS Economic Corridor Alignment	Expected/Planned Measurable Outputs	Project Contact
					Second Progress Report (2019)	2020 Updates (if any)	Second Progress Report (2019)	2020 Updates (if any)				
1	Greater Mekong Subregion Biodiversity Conservation Corridors Project	Cambodia, Lao PDR, Viet Nam	Overall, the Project will improve natural resource management by establishing GMS Biodiversity Conservation Corridors, a transboundary, forest ecosystem-based landscape approach for maintaining sustainably critical ecosystem services that benefit local livelihoods and downstream users. In this context, beneficiaries, most of whom are living in remote, mountainous, high poverty areas, and are from ethnic minority groups, will be provided with demand driven, and stakeholder prioritized livelihood improvement and small-scale infrastructure support in 69 selected villages.	2010	93.0	93.0	ADB—69.0 Strategic Climate Fund—20.24 GEF—3.79	ADB—69.0 Strategic Climate Fund—20.24 GEF—3.79	<p>Ongoing</p> <p>Cambodia: The project's overall implementation progress has been approximately achieved at about 75% (as of July 2019) against an elapsed time of 98%.</p> <p>The Memo requesting for an approval of first extension of grant closing date for an additional 12 months, from 30 September 2019 to 30 September 2020 is being internally processed.</p> <p>Lao PDR: The project Grant 0242 closed in September 2019.</p> <p>Viet Nam: The loan project (Loan 2721-VIE) closed in September 2019. The GEF grant project (G0433-VIE) closing date has been extended to 31 December 2020.</p>	<p>Cambodia: The Project covers 14 communes: 7 in Koh Kong province (KKG) and Mondulakiri (MDK) including 9 Community Protected Areas (CPAs) and 15 Community Forests (CFs).</p> <p>Lao PDR: The project covers 67 villages in 5 districts across Attapeu, Champasak, and Sekong provinces.</p> <p>Viet Nam The project covers 35 communes located in 6 districts</p>	<p>Institutional and Community Strengthening, Biodiversity Corridor Restoration and Protection</p> <p>Livelihood Improvement and Small-scale Infrastructure support</p> <p>Project management and support services</p>	<p>Alvin Lopez SERD-SEER, ADB Email: alopez@adb.org</p> <p>Phantouleth Louangraj, Lao Resident Mission, ADB</p> <p>Khuc Thi Huong Lan Thi Huong Lan VRM, ADB</p>

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Investment projects in RIF 2022 continued

No.	Project Title	Country Coverage	Description	Year of Approval	Cost Estimate (\$ million)		Potential Funding Source and Amount (\$ million)		Status Updates	Key Locations and GMS Economic Corridor Alignment	Expected/Planned Measurable Outputs	Project Contact
					Second Progress Report (2019)	2020 Updates (if any)	Second Progress Report (2019)	2020 Updates (if any)				
										and seven protected areas in three provinces (Thua Thien-Hue, Quang Nam and Quang Tri)		
2	GMS Biodiversity Conservation Corridors Project – Additional Financing	Cambodia	With the additional financing (parent Grant 0241), the climate resilience of the communities and ecosystems supported by the project will be enhanced, while the project’s impact and outcome statements will remain unaffected. To accommodate the additional financing, the project scope will be changed to benefit a further 4,300 households with climate-resilient livelihoods through new investments undertaken within outputs 3 and 4.	2015	7.4	7.4	ADB	Strategic Climate Fund—7.4	<p>Ongoing. The project’s overall implementation progress is approximately achieved at about 75% (as of 31 July 2019) against an elapsed time of 96%.</p> <p>Extension of grant closing date for an additional 12 months, from 30 September 2019 to 30 September 2020 is being processed.</p>	The Project covers 14 communes: 7 in Koh Kong (KKG) and Mondulhiri (MDK) province.	<p>Institutional and Community Strengthening, Biodiversity Corridor Restoration and Protection</p> <p>Livelihood Improvement and Small-scale Infrastructure support</p> <p>Project management and support services</p>	Alvin Lopez SERD-SEER, ADB Email: alopez@adb.org

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Investment projects in RIF 2022 continued

No.	Project Title	Country Coverage	Description	Year of Approval	Cost Estimate (\$ million)		Potential Funding Source and Amount (\$ million)		Status Updates	Key Locations and GMS Economic Corridor Alignment	Expected/Planned Measurable Outputs	Project Contact
					Second Progress Report (2019)	2020 Updates (if any)	Second Progress Report (2019)	2020 Updates (if any)				
3	Land-based Pollution Management for Healthy Rivers and Oceans (formerly, Rural Environmental Management, Pollution Control, and Waste Management)	Cambodia, Lao PDR, Viet Nam	<p>The project will help to improve the quality of the environment; reduce vulnerability to water, food, and health security; and subsequently boost market competitiveness (through the production of safe and environment-friendly agriculture products [SEAPs]), as well as the incomes of rural communities.</p> <p>The project will also target the geographic nexus between rural and peri-urban areas along the GMS economic corridors, focusing on environmental quality issues arising from the flow of agriculture goods and services. It will work to enhance the environmental performance of the agriculture sector and of the development investments in small corridor towns specified in the Regional Investment Framework 2022. A few of the targeted ongoing and planned investment projects are as follows: (i) GMS Corridor Town Development Project; (ii) Agro-industrial zones (AIZs) to support promotion of safe and environment-friendly agrobased value chains; and (iii) Corridor Town Development Project.</p>	TBD	300.0	300.0	TBD	Green Financing Facility Ocean Financing Initiative	<p>Proposed Project is seeking cofinancing partners and cost estimate per country to be confirmed</p> <p>Cambodia is still discussing with MOF if project can be pursued</p> <p>Lao PDR will participate through a grant if possible, although Lao PDR is not eligible for grant but possibly, TA.</p> <p>Myanmar and Thailand are no longer planning to participate.</p> <p>Viet Nam is planning to pursue the project.</p>	<p>Peri-urban and nearby rural areas of select corridor towns and agri-industrial zones (1 identified town or agri-industrial zone per country)</p>	<p>Integrated pollution control measures in agriculture SMEs (e.g. pig and dairy farming)</p> <p>Development of integrated environmentally sustainable aquaculture</p> <p>Improved rural environment management regimes</p>	
4	Climate Smart Landscapes (formerly called Integrated Land Use Management for Sustainable Development)	Cambodia, Lao PDR, Viet Nam 4 Transboundary Landscapes	<p>The project will promote a better allocation and management of land resources, and develop pro-poor, green commodities and services. A multidisciplinary value-chain approach will be adopted to enhance productivity and market linkages, and to reduce both environmental (degraded air, water, and soil quality) and climate-related risks.</p>	TBD	240.0	240.0	TBD	TBD	<p>Proposed The project has not been implemented; still under preparation for in-country consultation Project is seeking cofinancing partners</p>		<p>Strengthen land management, Market development for green commodities and ecotourism,</p>	

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Investment projects in RIF 2022 continued

No.	Project Title	Country Coverage	Description	Year of Approval	Cost Estimate (\$ million)		Potential Funding Source and Amount (\$ million)		Status Updates	Key Locations and GMS Economic Corridor Alignment	Expected/Planned Measurable Outputs	Project Contact
					Second Progress Report (2019)	2020 Updates (if any)	Second Progress Report (2019)	2020 Updates (if any)				
			<p>In addition, the project will focus on critical agricultural landscapes in an effort to better manage vital ecosystems and will offer provisioning and regulatory services to improve productivity and resiliency. The project will also support other planned or ongoing investment projects such as Climate-Friendly Agribusiness Value Chains in the GMS, and Cluster and Value Chain Development for Geographic Indications. It will build on proven investment models such as that used for the GMS Biodiversity Conservation Corridor Project and will align with GMS transboundary biodiversity landscape management strategies that are currently under development.</p> <p>Strengthened land management: integrated spatial and land-use planning (delineation, demarcation, land management, protection, restoration, soil pollution control, and remediation); and recommendations of community-development initiatives to enhance livelihood options, provide food security, and reduce poverty; market development for green commodities and ecotourism: certification and accreditation systems, a value chain approach to developing ecotourism, and market linkages through private sector participation; skill development for value addition and for the inclusion of rural communities in green</p>						<p>Project is still a priority for Cambodia but amount to be confirmed</p> <p>Lao PDR considers importance of project but to needs to coordinate with line ministries.</p> <p>Myanmar and Thailand are no longer planning to participate.</p> <p>Viet Nam is keeping this a priority</p> <p>Cost estimate per country to be confirmed</p>	Skills development for value addition and inclusion of rural communities in green commodity value chains, and Financing for management of eco-systems services.		

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Investment projects in RIF 2022 continued

No.	Project Title	Country Coverage	Description	Year of Approval	Cost Estimate (\$ million)		Potential Funding Source and Amount (\$ million)		Status Updates	Key Locations and GMS Economic Corridor Alignment	Expected/Planned Measurable Outputs	Project Contact
					Second Progress Report (2019)	2020 Updates (if any)	Second Progress Report (2019)	2020 Updates (if any)				
			commodity value chains; financing to support the management of ecosystem services; and analysis and design of compensation mechanisms for environmental services based on an ecosystems approach (including the development of a mechanism for payment for ecosystem services[PES]).									
5	Climate Proofing of Rural Infrastructure and Risk Financing	Lao PDR	The project will be regional in nature and focus on issues that require cross-border disaster risk management (DRM) efforts; aligned with regional DRM priorities of the GMS countries; introduce innovative solutions; promote community-based, gender-focused, and socially inclusive interventions on DRM; and support stronger engagement with civil society and the private sector.	TBD	TBD	TBD	TBD	TBD	<p>Proposed by Lao PDR</p> <p>Cambodia, Myanmar, Thailand, and Viet Nam are no longer planning to participate.</p> <p>Lao PDR will discuss with line ministry if project will be pursued.</p>		<p>Climate proof rural supply chain infrastructure</p> <p>Strengthening disaster risk preparedness of vulnerable communities and SMEs</p> <p>Investing in risk financing for communities and sustainable livelihoods.</p>	Mr. Chanthaly Chansompheng Office of the GMS National Coordinator, Lao PDR Email: chansompheng@yahoo.com
Subtotal (Environment Investment Project)					640.4	640.4						

Technical Assistance Projects

No.	Project Title	Country Coverage	Description	Year of Approval	Cost Estimate (\$ million)		Potential Funding Source and Amount (\$ million)		Status Updates	Key Locations and GMS Economic Corridor Alignment	Expected/Planned Measurable Outputs	Project Contact
					Second Progress Report (2019)	2020 Updates (if any)	Second Progress Report (2019)	2020 Updates (if any)				
1	Core Environment Program and Biodiversity Conservation Corridors Initiative in the GMS, Phase 2	All GMS Countries	The TA will promote sound environmental management and climate resilient interventions within the context of the GMS Economic Cooperation Program (ECP). It aims to reconcile development objectives in the GMS economic corridors with conservation and sustainable use of ecosystem services in priority transboundary landscapes and associated biodiversity corridors. The TA will accomplish this by integrating sound environmental management, biodiversity conservation and climate resilience measures in the GMS ECP.	2011	30.31	30.31	ADB-1.8 Co-financing—28.5 (Finnida grant—14.0, Swedish TA grant—8.3; Nordic Development Fund—5.3; GEF—0.46; GEF Special Climate Change Fund—0.46)	ADB-1.8 Co-financing—28.5 (Finnida grant—14.0, Swedish TA grant—8.3; Nordic Development Fund—5.3; GEF—0.46; GEF Special Climate Change Fund—0.46)	Completed on 31 March 2020		The project will support the (i) application of environmental management, planning and monitoring approaches and tools to aid investment decision making; (ii) climate resilience through adaptation planning and low carbon and energy efficient investment strategies; and (iii) sustainable financing for conservation; and capacity development to ensure uptake of these measure by appropriate stakeholders including government, civil society and community groups	Srinivasan Ancha SERD/ SEER, ADB Email: asrinivasan@adb.org

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Technical assistance projects in RIF 2022 continued

No.	Project Title	Country Coverage	Description	Year of Approval	Cost Estimate (\$ million)		Potential Funding Source and Amount (\$ million)		Status Updates	Key Locations and GMS Economic Corridor Alignment	Expected/Planned Measurable Outputs	Project Contact
					Second Progress Report (2019)	2020 Updates (if any)	Second Progress Report (2019)	2020 Updates (if any)				
2	GMS Climate Change and Environmental Sustainability Program (CCESP) (formerly called GMS Environment Service Facility (a.k.a. GMS Core Environment Program (CEP) Phase 3)	All GMS countries	GMS Climate Change and Environmental Sustainability Program (CCESP) aims to support the implementation of the GMS Core Environment Program Strategic Framework and Action Plan 2018-2022; with the impact of improved climate compatibility and environmental sustainability of economic growth in the GMS and outcome of enhanced climate resilience, green growth, and environmental quality in the GMS. The CCSEP covers six themes: (i) climate and disaster resilience, (ii) low carbon transition, (iii) climate smart landscapes, (iv) environmental sustainability, (v) green technologies, and (vi) climate and disaster resilience. Three outputs: (i) climate and disaster resilience enhanced, and low carbon transitions facilitated; (ii) climate-smart landscapes promoted and environmental quality enhanced; (iii) green technologies and financing instruments demonstrated.	2019	10.0	5.0	TBD	ADB (TASF)—2.0 Climate Change Fund—3.0	Ongoing. Project was approved in December 2019; consulting firm is being mobilized to implement project activities and expected	Nationwide	The project has three outputs: (i) climate and disaster resilience enhanced, and	Srinivasan Ancha SERD/ SEER, ADB Email: asrinivasan@adb.org

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Technical assistance projects in RIF 2022 continued

No.	Project Title	Country Coverage	Description	Year of Approval	Cost Estimate (\$ million)		Potential Funding Source and Amount (\$ million)		Status Updates	Key Locations and GMS Economic Corridor Alignment	Expected/Planned Measurable Outputs	Project Contact
					Second Progress Report (2019)	2020 Updates (if any)	Second Progress Report (2019)	2020 Updates (if any)				
3	Rural Environmental Management, Pollution Control, and Waste Management (GMS CEP Strategic Framework and Action Plan) called GMS Environment Service Facility (a.k.a. GMS Core Environment Program (CEP) Phase 3)	All GMS countries	This preparatory TA will assess the technical, financial, and institutional feasibility of the Rural Environmental Quality, Pollution Control, and potential Waste Management Projects.	2022	1.5	1.5	Part of ADB TRTA Facility	Part of ADB TRTA Facility	Proposed			
4	Integrated Land-use Management for Sustainable Development (GMS CEP Strategic Framework and Action Plan)	10.0	This preparatory TA will assess the technical, financial, and institutional feasibility of Integrated land use management systems for sustainable development.	2022	1.5	1.5	Part of ADB TRTA Facility	Part of ADB TRTA Facility	Proposed			
Subtotal (Environment Projects)					43.3*	38.3						
Total (Environment Investment and TA Projects)					683.7	678.7						

*The amount includes cost of projects in RIF Second Update (2019) but deleted/dropped in RIF Third Update (2020).

Health and Other Human Resource Development

Investment Projects

No.	Project Title	Country Coverage	Description	Year of Approval	Cost Estimate (\$ million)		Potential Funding Source and Amount (\$ million)		Status Updates	Key Locations and GMS Economic Corridor Alignment	Expected/Planned Measurable Outputs	Project Contact										
					Second Progress Report (2019)	2020 Updates (if any)	Second Progress Report (2019)	2020 Updates (if any)														
1	GMS Health Security Project (formerly GMS Communicable Disease Control Project Phase III)	Cambodia, Lao People's Democratic Republic (Lao PDR), Myanmar, Viet Nam	The project aims to strengthen public health security in the face of emerging diseases and other communicable diseases relevant to the Greater Mekong Subregion (GMS) by improving public health security systems and Centers for Disease Control and Prevention (CDC) in border areas in Cambodia, the Lao PDR, Myanmar, and Viet Nam. It focuses mainly on mobile and migrant populations (MMPs), as well as on other vulnerable groups.	2016	132.2	132.2	Asian Development Bank (ADB) — 125.0 Governments' Counterpart — 7.2	ADB — 125.0 Governments' Counterpart — 7.2	<p>Ongoing. The project midterm review (MTR) was conducted during Q3 2019. Project implementation and achievement of outputs/ milestone activities are on-track up to MTR.</p> <p>Countries revised their annual operation plans for 2020 to support necessary preparedness and response to the COVID-19 pandemic.</p> <p>Some activities (trainings and workshops) in 2020 that were affected by COVID-19 are being rescheduled.</p> <p>A video about the project is being prepared and will be presented at the 24th GMS Ministerial Conference in November 2020.</p>	<p>Cambodia: SEC</p> <p>Lao PDR: NSEC, SEC</p> <p>Myanmar: NSEC</p> <p>Viet Nam: NSEC, EWEC, SEC</p>	<p>Project outputs include: (i) strengthened regional, cross-border, and inter-sectoral CDC services; (ii) strengthened national disease surveillance and outbreak response; and (iii) improved laboratory services and hospital infection prevention and control.</p>	<p>Cambodia: Director, International Cooperation and CDC, MOH</p> <p>Lao PDR: Deputy Director General, DPIC, MOH</p> <p>Myanmar: Director General, DoPH, MOHS</p> <p>Viet Nam: Deputy Director General, GDPM, MOH</p> <p>Rikard Elfving, Senior Social Sector Specialist, SEHS/SERD, ADB relfving@adb.org</p> <p>Raile Dusseldorf Flores, Project Analyst, SEHS/SERD, ADB rflores@adb.org</p>										
			<p>Counterpart Funding (\$ million):</p> <table border="1"> <tr> <td>Cambodia</td> <td>1.8</td> </tr> <tr> <td>Lao PDR</td> <td>0.6</td> </tr> <tr> <td>Myanmar</td> <td>0.8</td> </tr> <tr> <td>Viet Nam</td> <td>4.0</td> </tr> <tr> <td>Total</td> <td>7.2</td> </tr> </table>	Cambodia	1.8	Lao PDR	0.6	Myanmar	0.8	Viet Nam	4.0	Total	7.2									
Cambodia	1.8																					
Lao PDR	0.6																					
Myanmar	0.8																					
Viet Nam	4.0																					
Total	7.2																					

Continued on next page

Investment projects in RIF 2022 continued

No.	Project Title	Country Coverage	Description	Year of Approval	Cost Estimate (\$ million)		Potential Funding Source and Amount (\$ million)		Status Updates	Key Locations and GMS Economic Corridor Alignment	Expected/Planned Measurable Outputs	Project Contact
					Second Progress Report (2019)	2020 Updates (if any)	Second Progress Report (2019)	2020 Updates (if any)				
2	Guangxi Modern Technical and Vocational Education and Training (TVET) Development Program (RBL)	People's Republic of China (PRC)	The program will support the establishment of a modern TVET system that provides graduates with better employment opportunities in industries in Guangxi Zhang Autonomous Region (GZAR) and ASEAN countries. The attached technical assistance (TA) aims to strengthen the capacity of the TVET system for enhancing the quality and relevance of TVET, and regional cooperation between TVET institutions and enterprises in GZAR and ASEAN countries.	2017	450.6	450.6	ADB loan—250.0 ADB TA—0.6 Kreditanstalt für Wiederaufbau (KfW)—200.0	ADB loan—250.0 ADB TA—0.6 Kreditanstalt für Wiederaufbau (KfW)—200.0	<p>Ongoing. The 2019 annual TVET graduate employment survey is ongoing as of March 2020.</p> <p>Output 1: The advisory plans of 16 industry steering committees that were approved in May 2019 are being implemented and their implementation status will be reviewed in 2020. Nine pilot TVET institutions and 27 pilot courses of study were selected in July 2018. The pilot course development activities have yet to commence as of March 2020. Over 200 practical training facilities have been established in cooperation with enterprises in GZAR's priority industries by the end of 2019.</p>	Guangxi NSEC	<p>Outcome: TVET system that provides graduates with better employment opportunities in GZAR's industries established</p> <p>Output 1: Enhanced industry relevance of TVET</p> <p>Output 2: Improved quality of TVET</p> <p>Output 3: Increased inclusiveness of TVET</p> <p>Output 4: Expanded role of TVET in regional economic development</p>	Asako Maruyama, Education Specialist, EASS/EARD, ADB amaruyama@adb.org

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Investment projects in RIF 2022 continued

No.	Project Title	Country Coverage	Description	Year of Approval	Cost Estimate (\$ million)		Potential Funding Source and Amount (\$ million)		Status Updates	Key Locations and GMS Economic Corridor Alignment	Expected/Planned Measurable Outputs	Project Contact
					Second Progress Report (2019)	2020 Updates (if any)	Second Progress Report (2019)	2020 Updates (if any)				
									<p>Output 2: All public secondary TVET schools and some private secondary TVET schools were assigned a star rating in 2019 based on provincial standards for secondary TVET schools (five-star rating system) that were issued in November 2018. Secondary TVET schools rated 2 stars and below will undertake self-improvement projects. Provincial standards for tertiary TVET colleges (double high level tertiary TVET college initiative) were issued in August 2019. Tertiary TVET colleges which will carry out self-improvement projects have been selected in December 2019.</p> <p>Output 3: Over 150,000 TVET students received poverty-related subsidies in 2019.</p>			

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Investment projects in RIF 2022 continued

No.	Project Title	Country Coverage	Description	Year of Approval	Cost Estimate (\$ million)		Potential Funding Source and Amount (\$ million)		Status Updates	Key Locations and GMS Economic Corridor Alignment	Expected/Planned Measurable Outputs	Project Contact
					Second Progress Report (2019)	2020 Updates (if any)	Second Progress Report (2019)	2020 Updates (if any)				
3	GMS Health Security Project (additional financing)	Lao PDR, Myanmar	<p>The additional financing will support the current GMS Health Project in the following activities:</p> <ul style="list-style-type: none"> Lao PDR: Luang Prabang, Savannakhet, and Champasak provinces Communicable diseases surveillance, outbreak response, risk communication, contact tracing along the border areas and point of entries Training and capacity building of frontline health workers for surveillance, laboratory, and infection prevention and control for COVID-19 Strengthen laboratory diagnosis capacity for COVID-19 tests <p>Myanmar: 31 target hospitals in 17 states and regions across the country.</p> <ul style="list-style-type: none"> Provision of medical equipment and supplies for COVID-19. Upgrading health facilities for emergency referral and treatment of COVID-19 	2020	60.0	50.0	ADB —60.0	ADB – 50.0	<p>Ongoing.</p> <p>Lao PDR: The government of the Lao PDR requested \$20 million for additional financing. The loan was approved by ADB on May 22, 2020 and became effective on June 17, 2020.</p> <p>As of July 31, 2020, equipment specifications have been completed and in the process of getting approvals for contracting and procurement. Contract approvals are aimed to be completed by August 2020.</p> <p>Myanmar: The government of Myanmar requested \$30 million for additional financing. The loan was approved by ADB in early October 2020 and will become effective in December 2020.</p>	<p>Lao PDR: Luang Prabang, Savannakhet, and Champasak provinces</p> <p>Myanmar: 17 states and regions</p>	<p>(i) Emergency response to the COVID-19 outbreak supported</p> <ul style="list-style-type: none"> Medical equipment and supplies for COVID-19 provided Trainings on COVID-19 preparedness completed Hospitals upgraded for IPC and treatment of COVID-19 <p>(ii) Support for joint outbreak response</p>	<p>Rikard Elfving, Senior Social Sector Specialist, SEHS/SERD, ADB relfving@adb.org</p> <p>Raile Dusseldorf Flores, Project Analyst, SEHS/SERD, ADB rflores@adb.org</p>

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Investment projects in RIF 2022 continued

No.	Project Title	Country Coverage	Description	Year of Approval	Cost Estimate (\$ million)		Potential Funding Source and Amount (\$ million)		Status Updates	Key Locations and GMS Economic Corridor Alignment	Expected/Planned Measurable Outputs	Project Contact
					Second Progress Report (2019)	2020 Updates (if any)	Second Progress Report (2019)	2020 Updates (if any)				
4	GMS Universal Health Care: GMS Healthy Border Special Economic Zones	Cambodia, Lao PDR, Myanmar, Thailand	<p>The project involves financing health care for migrants and includes development of financing scheme, broadening UHC coverage to include migrants, and developing and implementing service provision packages for migrants.</p> <p>The project will receive additional grant allocation from ADB's Asian Development Fund (ADF) thematic pool (approximately \$20 million). The grant allocation will be confirmed in December 2020 when ADB completes the 13th replenishment of ADF.</p> <p>The grant will support migrant health financing and harmonize migrant health policies in the GMS.</p>	2021	72.0	72.0	ADB—72.0 Mix of TA, grant and loans	ADB—72.0 Mix of TA, grant and loans	<p>Proposed. Proposed loan breakdown: Cambodia—20.0 Lao PDR—16.0 Myanmar—36.0 (expected to be implemented in 2022)</p> <p>Thailand would like to participate in this project as a development partner who could provide know-how and best practice of UHC with neighboring countries.</p> <p>Concept paper finalized.</p> <p>A consulting firm was engaged to provide technical inputs in the development of the HIMS for public hospitals, a national health ID system that would integrate other existing health MIS in Cambodia. The firm is also expected to develop a mobile application for community mapping and health information</p>		<p>Outcome: Migrant and Thai workers' health in SEZs on economic corridors improved</p> <p>Output 1: A coordinated ASEAN-wide hub for border zone health established</p> <p>Output 2: Green and inclusive social infrastructure in and around border SEZs built</p> <p>Output 3: Border Zones Health Fund (BZHF) established</p>	<p>Azusa Sato, Health Specialist, SEHS/SERD, ADB asato@adb.org</p> <p>Rikard Elfving, Senior Social Sector Specialist, SEHS/SERD, ADB relfvng@adb.org</p>

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Investment projects in RIF 2022 continued

No.	Project Title	Country Coverage	Description	Year of Approval	Cost Estimate (\$ million)		Potential Funding Source and Amount (\$ million)		Status Updates	Key Locations and GMS Economic Corridor Alignment	Expected/Planned Measurable Outputs	Project Contact
					Second Progress Report (2019)	2020 Updates (if any)	Second Progress Report (2019)	2020 Updates (if any)				
									dissemination. Individual consultants have been engaged to undertake project preparations and due diligence. Project is for approval by ADB Board in Q3 2021.			
Subtotal (Health and other HRD Investment Projects)					815.4*	704.8						

* The amount includes cost of projects in RIF Second Update (2019) but deleted/dropped in RIF Third Update (2020).

Technical Assistance Projects

No.	Project Title	Country Coverage	Description	Year of Approval	Cost Estimate (\$ million)		Potential Funding Source and Amount (\$ million)		Status Updates	Key Locations and GMS Economic Corridor Alignment	Expected/Planned Measurable Outputs	Project Contact
					Second Progress Report (2019)	2020 Updates (if any)	Second Progress Report (2019)	2020 Updates (if any)				
1	GMS HRD Strategic Framework and Action Plan 2013–2017, Phase 2	All GMS countries	<p>The project focuses on the three of the seven strategic thrusts of the Strategic Framework and Action Plan 2013–2017, and it is generating the following outputs:</p> <p>(i) improved cooperation regarding TVET, (ii) improved cooperation in higher education, and (iii) strengthened national implementation and monitoring of the strategic framework and action plan. The project also supports the annual meetings of the working group on human resource development (HRD), held to share knowledge and experiences concerning emerging HRD issues and to enhance regional networks and partnerships in HRD.</p>	2013	2.1	2.1	ADB—1.3 PRC Fund—0.5 Governments of the GMS countries—0.3	ADB—1.3 PRC Fund—0.5 Governments of the GMS countries—0.3	Completed.			
2	Malaria and Communicable Diseases Control in the GMS	Cambodia, Lao PDR, Myanmar	<p>This regional capacity development TA is expected to fill policy gaps by (i) targeting vulnerable groups, in particular MMPs; (ii) strengthening diagnostic and treatment capacity in remote districts; (iii) improving disease surveillance and rapid response to epidemics; and (iv) involving the private sector in the delivery of health services targeting vulnerable groups.</p>	2015	4.5	4.5	Trust Fund under Health Financing Partnership Facility—4.5	Trust Fund under Health Financing Partnership Facility—4.5	Completed. TA Completion Report finalized and circulated.		<p>Output 1: Malaria diagnostic capacities and training of relevant health staff in 2 regions and 5 townships in Myanmar</p> <p>Output 2: Field-based activities in selected CLM districts done</p>	Gerard Servais Sr., Health Specialist, SEHS/SERD, ADB gservais@adb.org

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Technical assistance projects in RIF 2022 continued

No.	Project Title	Country Coverage	Description	Year of Approval	Cost Estimate (\$ million)		Potential Funding Source and Amount (\$ million)		Status Updates	Key Locations and GMS Economic Corridor Alignment	Expected/Planned Measurable Outputs	Project Contact
					Second Progress Report (2019)	2020 Updates (if any)	Second Progress Report (2019)	2020 Updates (if any)				
											Output 3: Cross-border information sharing on malaria and communicable disease outbreaks. The TA also conducted regional activities to support regional health cooperation and improvement of IPC and laboratory services in the GMS (including Thailand and the PRC).	
3	High Level Technology Solutions for Communicable Disease Control in the GMS	Cambodia	The project will support: (i) dashboard of cross database systems; (ii) health facility and resource mapping; and (iii) health services hotline support to migrant mobile population.	2018	0.1	0.1	High-Level Technology Fund (HLT)/ ADB—0.14	HLT/ADB—0.14	Completed. As of August 2019, resource maps and Central Dashboard System (CDS) were completed and event-based monitoring system were integrated.		Output 1: Beta version of communicable disease information dashboard integrating 3 databases	Azusa Sato, Health Specialist SEHS/ SERD, ADB asato@adb.org

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Technical assistance projects in RIF 2022 continued

No.	Project Title	Country Coverage	Description	Year of Approval	Cost Estimate (\$ million)		Potential Funding Source and Amount (\$ million)		Status Updates	Key Locations and GMS Economic Corridor Alignment	Expected/Planned Measurable Outputs	Project Contact
					Second Progress Report (2019)	2020 Updates (if any)	Second Progress Report (2019)	2020 Updates (if any)				
									CDS, a website application, became the basis for the proposed development of mobile app for COVID-19 response and the proposed hospital management info system.		Output 2: Health facility and resource mapping that will allow MOH and relevant agencies to search quickly where available resources are, based on the epicenter of the outbreak Output 3: Health service hotline for migrants. The proposed new hotline will automatically detect the migrant's location in order to filter appropriate information (e.g. health facility locations)	

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Technical assistance projects in RIF 2022 continued

No.	Project Title	Country Coverage	Description	Year of Approval	Cost Estimate (\$ million)		Potential Funding Source and Amount (\$ million)		Status Updates	Key Locations and GMS Economic Corridor Alignment	Expected/Planned Measurable Outputs	Project Contact
					Second Progress Report (2019)	2020 Updates (if any)	Second Progress Report (2019)	2020 Updates (if any)				
4	Strengthening Resilience to Climate Change in the Health Sector in the Greater Mekong Subregion	Cambodia, Lao PDR, Viet Nam	This regional capacity development TA will work with regional academic and research institutions, as well as with public health and environmental authorities, to build the scientific knowledge needed to address the health impact of climate change and quantify the additional burden of affected health outcomes. It will support workforce development by training a new generation of competent and experienced public health staff to respond to the threats posed by climate change and incorporate mainstream climate concerns into health policies and programs. It will increase awareness in the public and private sectors of the significance of climate change, and identify potential public-private partnerships (PPPs) for the implementation of adaptation measures, such as climate-proof infrastructure.	2015	4.4	4.4	Nordic Development Fund —4.36 Governments of Cambodia, the Lao PDR, and Viet Nam —0.05	Nordic Development Fund —4.36 Governments of Cambodia, the Lao PDR, and Viet Nam —0.05	Ongoing. Key knowledge products including (i) training materials; (ii) vulnerability and adaptation (V&A) assessments; and (iii) Climate and Health Atlas have been finalized and submitted to ADB. The TA also supported the three countries to update or develop their Health National Adaptation Plans (HNAP). Remaining activities include knowledge dissemination and advocacy events planned for Q4 2020. The project will close by 31 December 2020. Viet Nam: V&A assessment on climate change and human health has been conducted. Training materials package for local health staff has been developed, and regional and provincial trainings have been conducted. Delivery of early warning system on climate change and human health	Nationwide	Output 1: Knowledge and understanding of relationship between climate change and human health improved Output 2: Human resource skills in coping with climate change adaptation in the health sector strengthened Output 3: Knowledge products shared and advocacy promoted	Ye Xu, Health Specialist, SEHS/SERD, ADB yexu@adb.org

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Technical assistance projects in RIF 2022 continued

No.	Project Title	Country Coverage	Description	Year of Approval	Cost Estimate (\$ million)		Potential Funding Source and Amount (\$ million)		Status Updates	Key Locations and GMS Economic Corridor Alignment	Expected/Planned Measurable Outputs	Project Contact
					Second Progress Report (2019)	2020 Updates (if any)	Second Progress Report (2019)	2020 Updates (if any)				
									for use is anticipated. National training, involving experts from the Ministry of Health, Ministry of Environment, and other national institutions and universities, has been set up. The training activities on climate change and human health are not only for health staff but also for students in universities. The international workshop on climate change and human health will be held at end-2020.			
5	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	<p>PROMISE is a regional program led by the IOM that strengthens the linkages between labor migration to Thailand and efforts to reduce poverty in the region, with a particular focus on engaging employers and training institutions in skill development, facilitating ethical recruitment and protection, and improving the safety of migration and the access of migrant workers to decent employment opportunities.</p> <p>PROMISE has established partnerships between employers in Thailand and skill-development partners based in Cambodia, the Lao PDR, Myanmar, and Thailand to develop market-driven and migrant-centered skills training, and promote ethical recruitment models that will improve the protection and employability of migrants.</p>	2017	8.3	8.3	Swiss Agency for Development and Cooperation (SDC), International Organization for Migration (IOM)	SDC, IOM	Ongoing. PROMISE will complete its third year of implementation in September 2020. Progress achieved includes provision of up-to-date information on COVID-19 prevention; border closures and labor migration policy in migrant workers' languages; awareness-raising and consultations with employers, government counterparts, CSOs on migrant protection in the COVID-19 con-		Migrant workers receive training and information through MRCs on safe migration and soft skills; pre-departure/post-arrival/reintegration orientation; upskilling; and entrepreneurship. Migrant workers assisted with on-the-job training	Ms. Vivian Liang, IOM Thailand, hliang@iom.int

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Technical assistance projects in RIF 2022 continued

No.	Project Title	Country Coverage	Description	Year of Approval	Cost Estimate (\$ million)		Potential Funding Source and Amount (\$ million)		Status Updates	Key Locations and GMS Economic Corridor Alignment	Expected/Planned Measurable Outputs	Project Contact
					Second Progress Report (2019)	2020 Updates (if any)	Second Progress Report (2019)	2020 Updates (if any)				
			<p>PROMISE also facilitates greater cross-border exchanges, as well as bilateral and subregional collaboration on skill development and certification. In addition, the return and reintegration component broadens the opportunities for returning migrants to utilize their skills and invest their social and financial capital productively upon their return.</p> <p>PROMISE also builds the capacity of migrant support services in Cambodia, the Lao PDR, and Myanmar to provide reintegration services and enhance the linkages of these services with employment offices, skills certification authorities, financial institutions, and professional associations.</p> <p>Finally, PROMISE works to support migrant- protection frameworks at the national and subregional levels, engaging in policy development and capacity building of governments and non-state actors (including the promotion of the employer-paid ethical recruitment model).</p>						<p>text; development of online training models on rights and skills; formalization of partnership on skills development and certification for migrant domestic workers; operationalizing on- the-job trainings; development of good practices guidelines on skills development; integration of safe migration training in migrant outreach initiatives; and providing immediate assistance and jobs-matching services for returning migrants through migrant resource centers (MRCs) in countries of origin.</p>		<p>and jobs matching; and migrant networks are strengthened.</p> <p>Employers and recruitment agencies understand business case and commit to ethical recruitment and skills development for migrant workers.</p> <p>Policy development for mainstreaming migration through national development plans; enhanced regional dialogue and bilateral cooperation on safe migration; skills recognition, ethical recruitment, and mobility; improved labor migration schemes.</p>	

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Technical assistance projects in RIF 2022 continued

No.	Project Title	Country Coverage	Description	Year of Approval	Cost Estimate (\$ million)		Potential Funding Source and Amount (\$ million)		Status Updates	Key Locations and GMS Economic Corridor Alignment	Expected/Planned Measurable Outputs	Project Contact
					Second Progress Report (2019)	2020 Updates (if any)	Second Progress Report (2019)	2020 Updates (if any)				
6	Strengthening Regional Health Cooperation in the Greater Mekong Subregion	All GMS countries	The TA will strengthen health cooperation in the GMS by developing a subregional framework and strategy for health cooperation, and by establishing a working group on health cooperation (WGHC) to oversee the implementation of the strategy and ensure its effectiveness. The TA will also promote knowledge exchange and capacity development.	2018	1.0	3.0	ADB—1.0	ADB—3.0	<p>Ongoing. The TA supported the three GMS WGHC meetings organized since 2018. Consultations with Viet Nam to prepare for the fourth WGHC meeting in 2020 are ongoing.</p> <p>The Strategic Results Framework to monitor and evaluate the implementation and effectiveness of the GMS Health Cooperation Strategy 2019-2023 was approved in July 2020. Development of a regional action plan is underway to operationalize the strategy and support its three pillars.</p> <p>The TA continues to support the ongoing preparations for the proposed regional Migrant Health Care Financing Project (also known as GMS Universal Health Care: GMS Healthy Border Special Economic Zones).</p>		<p>Expected outcome: regional health cooperation in GMS strengthened.</p> <p>Output 1: GMS Working Group on Health Cooperation (WGHC) established.</p> <p>Output 2: GMS Health Cooperation Strategy developed and implemented.</p> <p>Output 3: Knowledge development and exchange promoted.</p>	<p>Rikard Elfving, Senior Social Sector Specialist, SEHS/SERD, ADB relfving@adb.org</p> <p>Jerry Colasito Project Analyst, SEHS/SERD, ADB jcolasito@adb.org</p>

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Technical assistance projects in RIF 2022 continued

No.	Project Title	Country Coverage	Description	Year of Approval	Cost Estimate (\$ million)		Potential Funding Source and Amount (\$ million)		Status Updates	Key Locations and GMS Economic Corridor Alignment	Expected/Planned Measurable Outputs	Project Contact
					Second Progress Report (2019)	2020 Updates (if any)	Second Progress Report (2019)	2020 Updates (if any)				
									<p>TA amount has been increased from \$1 million to \$3 million and its completion date was extended from September 30, 2020 to September 30, 2022. The increased amount of \$2 million from SERD and EARD is intended to respond to COVID-19 initiatives in the 6 GMS countries.</p> <p>The TA has allotted \$100,000 each for Cambodia, the Lao PDR, Myanmar, Thailand, and Viet Nam to cover activities addressing COVID-19 (i.e., training of hospitals, development and piloting of mobile application for COVID-19 surveillance, piloting for deep-learning prototypes, etc.). The TA has allotted \$1 million for the PRC to support immediate and mid-term response to COVID-19.</p> <p>The TA has recently engaged a firm to develop a model for One Health Response in the GMS.</p>			

Continued on next page

Technical assistance projects in RIF 2022 continued

No.	Project Title	Country Coverage	Description	Year of Approval	Cost Estimate (\$ million)		Potential Funding Source and Amount (\$ million)		Status Updates	Key Locations and GMS Economic Corridor Alignment	Expected/Planned Measurable Outputs	Project Contact
					Second Progress Report (2019)	2020 Updates (if any)	Second Progress Report (2019)	2020 Updates (if any)				
									<p>ADB SDCC is reviewing a proposal on vaccine development submitted by the National Vaccine Institute.</p> <p>Lao PDR: The \$100,000 grant will be used for trainings in management of COVID-19 cases, coordination work with line ministries and other partners, and drafting COVID-19 strategy and annual action plan for 2020/2021/2022. The COVID-19 strategy will be included in the country's next five-year plan.</p> <p>Myanmar: The \$100,000 grant will be used to develop the nationwide contingency plan for COVID-19 response and a work-from-home initiative model for ministries and departments in case of office shutdowns. It will also be used to support an initiative to create health promotion champions in the community for COVID-19 response.</p>			

Continued on next page

Technical assistance projects in RIF 2022 continued

No.	Project Title	Country Coverage	Description	Year of Approval	Cost Estimate (\$ million)		Potential Funding Source and Amount (\$ million)		Status Updates	Key Locations and GMS Economic Corridor Alignment	Expected/Planned Measurable Outputs	Project Contact
					Second Progress Report (2019)	2020 Updates (if any)	Second Progress Report (2019)	2020 Updates (if any)				
									<p>Thailand: The \$100,000 grant is for four COVID-19 re-sponse projects to be completed by end of fiscal year (September 2020):</p> <p>(1) Chroma project – a learning-based COVID-19 monitoring application. An expert has been hired and purchase of equipment to develop prototype is in process. The prototype is aimed to be completed in the next two months.</p> <p>(2) Recruiting two experts (one epidemiologist and one virologist) to support the country's COC. The experts have been hired.</p> <p>(3) Capacity building of first responder to COVID-19 patient's transportation Publication of COVID-19 response experience of Thailand as proposed by the Department of Disease Control.</p>			

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Technical assistance projects in RIF 2022 continued

No.	Project Title	Country Coverage	Description	Year of Approval	Cost Estimate (\$ million)		Potential Funding Source and Amount (\$ million)		Status Updates	Key Locations and GMS Economic Corridor Alignment	Expected/Planned Measurable Outputs	Project Contact
					Second Progress Report (2019)	2020 Updates (if any)	Second Progress Report (2019)	2020 Updates (if any)				
7	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, Indonesia, Philippines	The proposed transaction TA facility will help the ADB Southeast Asia developing member countries (DMCs) in designing programs and projects in human and social development (HSD), including piloting innovations, and furthering institutional and policy reform. The initial focus will be on programs and projects included in the country operations business plans (COBPs) up to 2021. The proposed TA facility will also support demand-driven policy and technical advisory services, capacity building, and knowledge sharing.	2018	3.0	3.0	ADB TASF—3.0	ADB TASF—3.0	Ongoing.		Output 1: Human and social development projects prepared Output 2: Demand-driven policy advice and capacity building for project implementation supported Output 3: Knowledge development among ASEAN countries promoted	Rikard Elfving, Senior Social Sector Specialist, SEHS/SERD, ADB relfving@adb.org
8	Tuberculosis Regional Grant	Cambodia, Lao PDR, Myanmar, Thailand, Viet Nam	The Global Fund Regional Tuberculosis Grant (2019- 2021) is a multi-country grant for tuberculosis interventions among migrant and mobile populations in the Mekong region. It involves cross- border systematic screening and referral and information sharing.	2018	10.0	10.0	The Global Fund —10.0	The Global Fund —10.0	Ongoing. Key implementers and main activities in each country with set targets throughout three years (2019-2021) were finalized, including the implementation arrangement/ mapping of the project. The remaining regional activities are M-Fund (\$149,999) and Regional Database Development (\$300, 000).			Dr. Petchsri Sirirund, RCM Secretariat Head, CCM Secretariat Office, Building 2, 3rd Floor, Office of Permanent Secretary, Ministry of Public Health, Tiwanont Rd., Nonthaburi, Thailand 11000 Tel. (66) 2590 1500, Fax. (66) 2591 5040

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Technical assistance projects in RIF 2022 continued

No.	Project Title	Country Coverage	Description	Year of Approval	Cost Estimate (\$ million)		Potential Funding Source and Amount (\$ million)		Status Updates	Key Locations and GMS Economic Corridor Alignment	Expected/Planned Measurable Outputs	Project Contact
					Second Progress Report (2019)	2020 Updates (if any)	Second Progress Report (2019)	2020 Updates (if any)				
									A virtual meeting was hosted by CCM Thailand Secretariat on July 17, 2020 and attended by Cambodia, the Lao PDR, Myanmar, Thailand, and Viet Nam to discuss the impact of COVID-19 on the country implementation plans, development of catch-up plans, and the next funding request. Key activities that are currently being done by the countries include establishment of containers for mobile clinics for TB screening around Cambodia border provinces; remapping of high migrant concentration areas in eight Lao PDR provinces; and acceleration of mandatory TB case notification from private sector in Myanmar.			spetchsri@gmail.com; ccmthailand@gmail.com

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Technical assistance projects in RIF 2022 continued

No.	Project Title	Country Coverage	Description	Year of Approval	Cost Estimate (\$ million)		Potential Funding Source and Amount (\$ million)		Status Updates	Key Locations and GMS Economic Corridor Alignment	Expected/Planned Measurable Outputs	Project Contact
					Second Progress Report (2019)	2020 Updates (if any)	Second Progress Report (2019)	2020 Updates (if any)				
9	Regional Artemisinin-resistance Initiative 2 Elimination (RAI2-E)	Cambodia, Lao PDR, Myanmar, Thailand, Viet Nam	RAI2-E is a consolidated regional malaria grant for 2018-2020 which constitutes the second phase of the current regional artemisinin-resistance initiative with the adoption of the regional malaria elimination goal at the core of the project. It supports increased malaria service coverage for remote populations in border areas and other at-risk populations, as well as case management through health volunteers and strengthening of national surveillance systems. It involves exchange information on epidemic outbreak, follow-up treatment SOP, vector control, and partnership at national and international levels.	2018	32.0	32.0	The Global Fund—32.0	The Global Fund—32.0	<p>Ongoing.</p> <p>Current grant is bringing the region closer to malaria elimination as a result of increased coordination and dialogue between countries, RAI alignment with National Strategies, increasing role and coverage of community malaria volunteers, and acceptance of CSOs by MOHs as part of the health system.</p> <p>In addition, the expanding use of electronic HIS in surveillance and real time reporting is proving to be effective, together with the Regional level data-sharing platform.</p> <p>Increased testing activities in countries have led to a larger number of people reached, resulting in higher ABER and declining malaria positivity rates (MPR) and annual parasite incidence rates (API).</p>			<p>Regional Steering Committee Secretariat: Ms. Séverine Calza, RSC Executive Secretary</p> <p>World Health Organization Office of the WHO Representative in Cambodia PO Box 1217, Phnom Penh, Cambodia Tel: +855 23 216 610 calzas@who.int</p>

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Technical assistance projects in RIF 2022 continued

No.	Project Title	Country Coverage	Description	Year of Approval	Cost Estimate (\$ million)		Potential Funding Source and Amount (\$ million)		Status Updates	Key Locations and GMS Economic Corridor Alignment	Expected/Planned Measurable Outputs	Project Contact
					Second Progress Report (2019)	2020 Updates (if any)	Second Progress Report (2019)	2020 Updates (if any)				
									<p>Data indicate that the Lao PDR, Myanmar, Thailand, and Viet Nam showed a steady declining trend in malaria cases over the last years. However, there have been challenges for Cambodia due to the disruption of the VMWs scheme. This scheme, though, has become fully functional resulting in lower number of cases reported in 2018 than in 2017.</p> <p>The RAI Regional Steering Committee (RSC) held its 14th bi-annual meeting on November 1, 2019 in Yangon, Myanmar. Participants, which included, H.E. Dr. Myint Htwe, Minister of Health and Sports, Myanmar; Dr. Donald Kaberuka, Chair of the Global Fund Board; members of governments; National Malaria Programme Directors; international organizations; bilateral and multilateral partners; and civil society assessed the progresses</p>			

Continued on next page

Technical assistance projects in RIF 2022 continued

No.	Project Title	Country Coverage	Description	Year of Approval	Cost Estimate (\$ million)		Potential Funding Source and Amount (\$ million)		Status Updates	Key Locations and GMS Economic Corridor Alignment	Expected/Planned Measurable Outputs	Project Contact
					Second Progress Report (2019)	2020 Updates (if any)	Second Progress Report (2019)	2020 Updates (if any)				
									of the RAI2-Elimination grant (2018-2020, \$245 million). In efforts to combat the threat of multidrug resistant malaria, RSC members discussed achievements and challenges, as well as future initiatives based on recent epidemiological trends.			
10	Prevention, Control and Elimination of Neglected Tropical Diseases (NTDs)	Lao PDR, Myanmar	The project will support control of schistosomiasis, rabies, and anti-microbial resistance.	TBD	30.0	30.0	Government of PRC, WHO, Korea International Cooperation Agency (KOICA), Oficina Internacional de Epizootias – World Organization for Animal Health (OIE)	Government of PRC, WHO, KOICA, OIE	Proposed. Thailand expressed interest to be included. Countries and specific diseases to be covered by the project to be discussed further.			
11	Capacity Building in Labor Migration Management	Cambodia, Lao PDR, Myanmar, Viet Nam	The TA will train migration officials and labor attachés in Cambodia, the Lao PDR, Myanmar, and Viet Nam. The training will address vulnerabilities specific to men or women. The TA will be managed by the International Organization for Migration (IOM).	TBD	0.3	0.3	TBD	TBD	Proposed.			
Subtotal (Health and other HRD TA Projects)					96.0 *	97.7						
Total (Health and other HRD Investment and TA Projects)					911.4 *	802.5						

* The amount includes cost of projects in RIF Second Update (2019) but deleted/dropped in RIF Third Update (2020).

Urban Development

Investment Projects

No.	Project Title	Country Coverage	Description	Year of Approval	Cost Estimate (\$ million)		Potential Funding Source and Amount (\$ million)		Status Updates	Key Locations and GMS Economic Corridor Alignment	Expected/Planned Measurable Outputs	Project Contact																									
					Second Progress Report (2019)	2020 Updates (if any)	Second Progress Report (2019)	2020 Updates (if any)																													
1	Second Greater Mekong Subregion Corridor Towns Development Project	Cambodia, Lao PDR, Viet Nam	<p>The Second Greater Mekong Subregion (GMS) Corridor Towns Development Project is being implemented in seven towns in Cambodia, the Lao People's Democratic Republic (Lao PDR), and Viet Nam. The project has been in operation since 2016 and is slated to end in 2021. It includes livelihood support, development of climate resilience, and institutional capacity building in public investment management.</p> <p>The expected impact of the project will be the transformation of the towns into centers of activity in the GMS economic corridors. The outcome will be improved urban infrastructure that supports economic linkages, strengthens the green-growth potential of participating GMS towns and corridors, and enhances the climate resilience of those towns and corridors.</p> <p>The breakdown of the estimated costs in terms of millions of dollars is as follows:</p> <table border="1"> <thead> <tr> <th>Country</th> <th>Total</th> <th>ADB</th> <th>Govt.</th> <th>Cof-financing</th> </tr> </thead> <tbody> <tr> <td>Cambodia</td> <td>38.1</td> <td>33.0</td> <td>5.1</td> <td>0.0</td> </tr> <tr> <td>Lao PDR</td> <td>52.0</td> <td>37.0</td> <td>5.0</td> <td>10.0</td> </tr> <tr> <td>Viet Nam</td> <td>121.7</td> <td>100.0</td> <td>21.7</td> <td>0.0</td> </tr> <tr> <td>TOTAL</td> <td>211.8</td> <td>170.0</td> <td>31.8</td> <td>10.0</td> </tr> </tbody> </table>	Country	Total	ADB	Govt.	Cof-financing	Cambodia	38.1	33.0	5.1	0.0	Lao PDR	52.0	37.0	5.0	10.0	Viet Nam	121.7	100.0	21.7	0.0	TOTAL	211.8	170.0	31.8	10.0	2015	211.8	211.8	<p>Asian Development Bank (ADB)—170.0</p> <p>Governments of Cambodia, the Lao PDR, and Viet Nam—31.8</p> <p>Association of Southeast Asian Nations (ASEAN) Infrastructure Fund—10.0</p>	<p>Asian Development Bank (ADB)—170.0</p> <p>Governments of Cambodia, the Lao PDR, and Viet Nam—31.8</p> <p>Association of Southeast Asian Nations (ASEAN) Infrastructure Fund—10.0</p>	<p>Ongoing. Cambodia: Comprises of two sub-projects: (i) Kampot Wastewater Collection and Treatment and Urban Drainage; and (ii) Kampot Solid Waste Landfill. Detailed designs for the Kampot landfill subprojects are underway and it is expected that the designs and bidding documents will be finalized by Q4 2020.</p> <p>Lao PDR: Topographic surveys and geotechnical investigations have been completed as well as detailed engineering design. All contracts have been awarded with the exception of two new packages (additional roads and drainage for both Luang Namtha and Ecopark Phase 2 in Houayxay. ADB and the government have agreed to extend the project by 18 months to allow full utilization of proceeds</p>	<p>Located on NSEC, SEC</p> <p>CAM: -Kampot -Si-hanoukville</p> <p>LAO: -Houayxay -Luang Namtha</p> <p>VIE: -Bac Giang -Mong Cai -Sa Pa</p>	<p>Urban infrastructure improved in participating towns</p>	<p>CAM: Ministry of Public Works and Transport Mr. Vong Pisith Undersecretary of State, MPWT, Project Director vong_pisith@yahoo.com</p> <p>LAO: Department of Housing and Urban Planning, Project Coordination Unit (PCU), Malychanh SANANIKHOM, Director of PCU, +856 20 55526431, malychanhs@gmail.com</p> <p>VIE: Bac Giang Provincial People's Committee</p> <p>Lao Cai Provincial People's Committee</p> <p>Quang Ninh's People's Committee</p>
Country	Total	ADB	Govt.	Cof-financing																																	
Cambodia	38.1	33.0	5.1	0.0																																	
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Investment projects in RIF 2022 continued

No.	Project Title	Country Coverage	Description	Year of Approval	Cost Estimate (\$ million)		Potential Funding Source and Amount (\$ million)		Status Updates	Key Locations and GMS Economic Corridor Alignment	Expected/Planned Measurable Outputs	Project Contact
					Second Progress Report (2019)	2020 Updates (if any)	Second Progress Report (2019)	2020 Updates (if any)				
									and completion of all works. Request for such extension is currently being processed. Viet Nam: The overall project progress is about 41%. Construction of wastewater treatment plants in Mong Cai and roads in Sapa and Bac Giang are on-going. Construction of wastewater treatment plants in Sapa and Bac Giang is also ongoing. Sapa and Bac Giang have adopted the Strategic Local Economic Development Plans. Trainings on project management and gender are ongoing.			
2	Third Greater Mekong Subregion Corridor Towns Development Project	Myanmar	The Third GMS Corridor Towns Development Project will expand the geographic scope to include Myanmar. The project is anticipated to develop the cities of Mawlamyine, in Mon State, and Hpa-An and Myawaddy, in Kayin State, as competitive economic nodes along the GMS East-West Economic Corridor (EWEC). The expected impact of the project is increased activity along the GMS EWEC. The outcome will be improved access to sustainable urban services in the project cities.	2018	116.9	116.9	ADB—80.0 NEDA—24.3 GCF, TICA Grant—4.9 Government of Myanmar—7.7	ADB—80.0 NEDA—24.3 GCF, TICA Grant—4.9 Government of Myanmar—7.7	Ongoing. PIAC has been mobilized and an inception review mission took place in December 2019. Geological and topographic surveys are to start in July 2020 and the first civil works packages are expected to be awarded in Q3 2021. Several equipment/goods contracts are expected to be awarded in Q4 2020.	Mawlamyine in Mon State and Hpa-An and Myawaddy in Kayin State EWEC	1. Urban planning improved; 2. Basic social infrastructure upgraded; and 3. Urban management capacity strengthened	Ms. Khaing Khaing Soe, Department of Urban Housing and Development, Ministry of Construction khaing-khaing.s@googlemail.com

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Investment projects in RIF 2022 continued

No.	Project Title	Country Coverage	Description	Year of Approval	Cost Estimate (\$ million)		Potential Funding Source and Amount (\$ million)		Status Updates	Key Locations and GMS Economic Corridor Alignment	Expected/Planned Measurable Outputs	Project Contact																				
					Second Progress Report (2019)	2020 Updates (if any)	Second Progress Report (2019)	2020 Updates (if any)																								
3	Fourth Greater Mekong Subregion Corridor Towns Development Project	Cambodia, Lao PDR	<p>The proposed project will support the governments of Cambodia and the Lao PDR in their efforts to enhance the competitiveness of towns along GMS economic corridors. The project will result in improved urban services in the participating towns due to investments in basic urban infrastructure such as drainage, sanitation, solid waste management facilities; urban roads; riverbank protection structures; and public gardens. The project will also enhance climate resilience and will be in line with ADB's "3 Es" of economy, environment, and equity, as outlined in its Urban Operational Plan.</p> <p>The breakdown of the estimated costs in terms of millions of dollars is as follows:</p> <table border="1"> <thead> <tr> <th>Country</th> <th>Total</th> <th>ADB</th> <th>Govt.</th> <th>Cofinancing</th> </tr> </thead> <tbody> <tr> <td>Cambodia</td> <td>88.5</td> <td>80.0</td> <td>8.0</td> <td>0.5</td> </tr> <tr> <td>Lao PDR</td> <td>54.1</td> <td>48.0</td> <td>6.1</td> <td>0.0</td> </tr> <tr> <td>TOTAL</td> <td>142.6</td> <td>128.0</td> <td>14.1</td> <td>0.5</td> </tr> </tbody> </table>	Country	Total	ADB	Govt.	Cofinancing	Cambodia	88.5	80.0	8.0	0.5	Lao PDR	54.1	48.0	6.1	0.0	TOTAL	142.6	128.0	14.1	0.5	2018	142.6	142.6	ADB—128.0 Government of Cambodia—8.0 Government of Lao PDR—6.1 Cofinancing— 0.5	ADB—128.0 Government of Cambodia—8.0 Government of Lao PDR—6.1 Cofinancing— 0.5	<p>Ongoing. Cambodia: Contract for project management consultant was awarded in June 2019. Detailed engineering designs for the landfill and wastewater works are underway with designs expected to be finalized in Q4 2020.</p> <p>Lao PDR: The Project Implementation Consultants have been mobilized in April 2019. Preparation of bidding documents for the drainage contracts in both Paksan and Thakhek is ongoing as well as the detailed engineering design for the solid waste management packages</p> <p>First civil works contract awards are expected in Q3 2020.</p>	<p>Cambodia -Kampong Cham -Kratie -Stung Treng SEC Lao PDR -Paksan -Thakhek NSEC</p>	<p>1. Adequate essential urban infrastructure and services in the project towns.</p> <p>2. strengthened institutional capacities for urban development</p>	<p>CAM: Ministry of Public Works and Transport, Mr. Vong Pisith Undersecretary of State MPWT, Project Director vong_pisith@yahoo.com</p> <p>LAO: Department of Housing and Urban Planning, Project Coordination Unit (PCU), Malychanh SANAN-IKHOM, Director of PCU, +856 20 55526431, malychanhs@gmail.com</p>
Country	Total	ADB	Govt.	Cofinancing																												
Cambodia	88.5	80.0	8.0	0.5																												
Lao PDR	54.1	48.0	6.1	0.0																												
TOTAL	142.6	128.0	14.1	0.5																												

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Investment projects in RIF 2022 continued

No.	Project Title	Country Coverage	Description	Year of Approval	Cost Estimate (\$ million)		Potential Funding Source and Amount (\$ million)		Status Updates	Key Locations and GMS Economic Corridor Alignment	Expected/Planned Measurable Outputs	Project Contact
					Second Progress Report (2019)	2020 Updates (if any)	Second Progress Report (2019)	2020 Updates (if any)				
4	Livable Cities Investment Project (Formerly Fifth Greater Mekong Subregion Corridor Towns Development Project)	Cambodia	The project will concentrate supporting urban planning and infrastructure in key economic, administrative and tourism towns in Cambodia, such as Battambang, Poipet, Kampot and Bavet, which have been identified as being on the cusp of economic transformation. Investments are required to fund the infrastructure gap and provide opportunities to encourage growth in the region. A long-term infrastructure master plan, which will include assessment of land use plans, urban development policies and staging mechanisms for the provision of water supply, sanitation, solid waste management and drainage infrastructure, will be included as part of the project, as well as an assessment of governance arrangements and institutional effectiveness.	2021	207.0	207.0	ADB—180.0 Government of Cambodia—27.0	ADB—180.0 Government of Cambodia—27.0	Proposed. Technical assistance underway.	i) Poipet; Bavet; (iii) Kampot; and (iv) Battambang SEC	1. Urban infrastructure improved 2. Institutional effectiveness and governance improved 3. Improved policy and regulatory environment	Ministry of Public Works and Transport Mr. Vong Pisith, , Undersecretary of State, MPWT, Project Director Vong_pisith@yahoo.com
5	Urban Environmental Improvement Program (formerly Livable Cities Investment Program -MFF)	Lao PDR	The project will support urban planning and infrastructure in any of the recently elevated three cities: Luang Prabang, Pakse and Khaysone (Savannah). As part of the project, a long-term master plan which will include assessment of land use planning, urban development policies, and staging mechanisms for the provision of inclusive water supply, sanitation, solid waste management infrastructure will be prepared. In addition, the project will look into planning, governance and institutional effectiveness.	2021	150.0	155.0	ADB—105.0 Cofinancing (TBD)—45.0	ADB—105.0 Cofinancing (TBD)—45.0 Government of Lao PDR—5.0	Proposed. Tranche 1 estimated cost is \$37.0 million.	Luang Prabang, Pakse and Khaysone (Savannah). NSEC SEC	1. Urban infrastructure improved 2. Institutional effectiveness and governance improved 3. Improved policy and regulatory environment	Department of Housing and Urban Planning, Project Coordination Unit (PCU), Malychanh SANAN-IKHOM, Director of PCU, +856 20 55526431, malychanhs@gmail.com
Subtotal (Urban Development Investment Projects)					1,527.7*	833.3						

* The amount includes cost of projects in RIF Second Update (2019) but deleted/dropped in RIF Third Update (2020).

Technical Assistance Projects

No.	Project Title	Country Coverage	Description	Year of Approval	Cost Estimate (\$ million)		Potential Funding Source and Amount (\$ million)		Status Updates	Key Locations and GMS Economic Corridor Alignment	Expected/Planned Measurable Outputs	Project Contact
					Second Progress Report (2019)	2020 Updates (if any)	Second Progress Report (2019)	2020 Updates (if any)				
1	PPTA for Third Greater Mekong Subregion Corridor Towns Development Project	Myanmar	This project preparatory technical assistance (PPTA) is formulating the Third GMS Corridor Towns Development Project. The subprojects include feasibility studies, and assessment of all safeguard requirements. This project is helping the participating towns to consolidate their urban-planning and investment policies into a strategic local economic development plan. The PPTA is also preparing capacity development and training plans for the local or provincial authorities involved.	2014	1.5	1.5	ADB—1.0 Cofinancing —0.5	ADB—1.0 Cofinancing —0.5	Completed. TA closed on 3 September 2018	EWEC	Feasibility studies for Corridor Towns Development Project III subprojects	FERD, MPI ferdsection@gmail.com
2	Greater Mekong Subregion: Capacity Development for Economic Zones in Border Areas	All GMS countries	The revised outcome of the technical assistance (TA) is strengthened capacity of border institutions to prepare for future GMS corridor towns development projects. This will improve the GMS approach to corridor town development, create a pipeline for such projects in the future and facilitate the preparation of these projects.	2015	0.9	0.9	ADB—0.5 Cofinancing —0.4	ADB—0.5 Cofinancing —0.4	Completed TA closed on 31 Dec 2018		1. Scoping study of potential border economic zone development in the GMS is completed. 2. Comprehensive institutional development and capacity development program is developed and implemented. 3. Flagship program for the Fifth GMS Corridor Towns development Project is defined and applied.	

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Technical assistance projects in RIF 2022 continued

No.	Project Title	Country Coverage	Description	Year of Approval	Cost Estimate (\$ million)		Potential Funding Source and Amount (\$ million)		Status Updates	Key Locations and GMS Economic Corridor Alignment	Expected/Planned Measurable Outputs	Project Contact
					Second Progress Report (2019)	2020 Updates (if any)	Second Progress Report (2019)	2020 Updates (if any)				
3	Fourth Greater Mekong Subregion Corridor Towns Development Project	Cambodia, Lao PDR	The TA formulated the Fourth GMS Corridor Towns Development Project in Lao PDR and Cambodia. The TA finalized feasibility studies, and assessment of all safeguard requirements.	2016	1.8	1.8	ADB—1.8	ADB—1.8	Completed. TA Closed on 15 June 2020	Located on SEC and NSEC	1. feasibility studies 2. assessment of all safeguard requirements	Department of Housing and Urban Planning, Project Coordination Unit (PCU), Malychanh SANAN-IKHOM, Director of PCU, +856 20 55526431, malychanhs@gmail.com
4	PPTA for Second Mandalay Urban Services Improvement Project	Myanmar	The TA will prepare the proposed loan and grant projects scheduled for ADB approval in 2019.	2017	1.0	1.0	ADB—0.75 Cofinancing (Urban Climate Change Resilience Trust Fund under the Urban Financing Partnership Facility) —0.225	ADB—0.75 Cofinancing (Urban Climate Change Resilience Trust Fund under the Urban Financing Partnership Facility) —0.225	Completed. Approved on 20 Jul 2017. Closed on 20 January 2020 as preparation of Second Mandalay Urban Services Improvement project was put on hold.	Mandalay NSEC	The TA outputs will be (i) sector and subsector analyses, (ii) MUSIP2 outputs prioritized and identified, (iii) feasibility of the proposed investments for priority infrastructure construction and improvements determined, and (iv) institutional capacity strengthening and public awareness programs prepared.	Mandalay Regional Government Ye Lwin, Mayor, Mandalay City Development Committee mayor@mandalaycity.info

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Technical assistance projects in RIF 2022 continued

No.	Project Title	Country Coverage	Description	Year of Approval	Cost Estimate (\$ million)		Potential Funding Source and Amount (\$ million)		Status Updates	Key Locations and GMS Economic Corridor Alignment	Expected/Planned Measurable Outputs	Project Contact
					Second Progress Report (2019)	2020 Updates (if any)	Second Progress Report (2019)	2020 Updates (if any)				
5	Urban Infrastructure Improvement project	Myanmar	<p>Project is proposed to implement the measures to control the flooding disaster in the Bago Region</p> <p>Justification: Support following strategic thrusts/operational priorities/sector strategy-Regional sharing of best practices on CRV assessment and adaptation; Technical support for strengthening CRV and DRM assessments in investment project planning; Project preparation support including: (i) climate proofing rural infrastructure investments; and (ii) disaster risk financing options.</p>	TBD	TBD	TBD	TBD	TBD	Proposed by Myanmar on 15 August 2019.	Bago, Myanmar NSEC	Bago region mostly suffers flooding in rainy season and by investing in this area, the region will become better resilient and protect the various loss of flooding	Daw Aye Aye Myint Deputy Director General Department of Urban and Housing Development ayengemmt@gmail.com 09448548951
6	Regional Development Project	Myanmar	<p>Project is proposed to integrate the development with the development of Dawei SEZ</p> <p>Justification: Support following strategic thrusts/operational priorities/sector strategy-Identify key urban centers along GMS corridors and urban systems; Develop multisector spatial plans for high-priority urban areas; Provide and upgrade infrastructure in GMS corridor towns and in other key urban areas</p>	TBD	TBD	TBD	TBD	TBD	Proposed by Myanmar on 15 August 2019.	Dawei, Myanmar SEC	Regional development aligned with the development of SEZ	Deputy Director General Department of Urban and Housing Development ayengemmt@gmail.com 09448548951
7	Urban Infrastructure improvement project	Myanmar	<p>Project is proposed to implement the urban services improvement</p> <p>Justification: Support following strategic thrusts/operational priorities/sector strategy-Identify key urban centers along GMS corridors and urban systems; Identify key urban centers along GMS corridors and urban systems.</p>	TBD	TBD	TBD	TBD	TBD	Proposed by Myanmar on 15 August 2019.	Kyaikhto, Myanmar EWEC		Deputy Director General Department of Urban and Housing Development ayengemmt@gmail.com 09448548951
Subtotal (Urban Development TA Projects)						5.2*	5.2					
Total (Urban Development Investment and TA Projects)						1,532.9*	838.5					

* The amount includes cost of projects in RIF Second Update (2019) but deleted/dropped in RIF Third Update (2020).

Continued on next page

Other Multisector/ Border Economic Zones

Investment Projects

No.	Project Title	Country Coverage	Description	Year of Approval	Cost Estimate (\$ million)		Potential Funding Source and Amount (\$ million)		Status Updates	Key Locations and GMS Economic Corridor Alignment	Expected/Planned Measurable Outputs	Project Contact																									
					Second Progress Report (2019)	2020 Updates (if any)	Second Progress Report (2019)	2020 Updates (if any)																													
1	Guangxi Regional Cooperation and Integration Promotion Investment Program, MFF tranches 1–3 (formerly Joint PRC–Viet Nam Cross-Border Economic Zones)	People's Republic of China (PRC)	<p>The program will help the Guangxi Zhuang Autonomous Region of the PRC implement its strategies and action plans for regional cooperation and integration with countries of the Association of the Southeast Asian Nations (ASEAN), particularly those in the Greater Mekong Subregion (GMS). This multi-tranche financing facility (MFF) will generate five major outputs: (i) sustainable development of small and medium-sized enterprises (SMEs); (ii) cost-competitive, safe, and efficient cross-border financial transactions and investments; (iii) e-commerce to facilitate access to markets; (iv) key infrastructure- and trade-related services; (v) improved cross-border connectivity.</p> <p>The breakdown of the cost estimates and years of approval is as follows:</p> <table border="1"> <thead> <tr> <th>Tranche</th> <th>Year</th> <th>Total</th> <th>ADB</th> <th>Govt.</th> </tr> </thead> <tbody> <tr> <td>Tranche 1</td> <td>2016</td> <td>280.0</td> <td>130.0</td> <td>150.0</td> </tr> <tr> <td>Tranche 2</td> <td>2018</td> <td>440.0</td> <td>180.0</td> <td>260.0</td> </tr> <tr> <td>Tranche 3</td> <td>2020</td> <td>460.0</td> <td>140.0</td> <td>620.0</td> </tr> <tr> <td>TOTAL</td> <td></td> <td>1,180.0</td> <td>450.0</td> <td>730.0</td> </tr> </tbody> </table>	Tranche	Year	Total	ADB	Govt.	Tranche 1	2016	280.0	130.0	150.0	Tranche 2	2018	440.0	180.0	260.0	Tranche 3	2020	460.0	140.0	620.0	TOTAL		1,180.0	450.0	730.0	2016	1,180.0	1,180.0	Asian Development Bank (ADB)—450.0 Government of the PRC—730.0	Asian Development Bank (ADB)—450.0 Government of the PRC—730.0	<p>Ongoing Tranche 1 is under implementation since August 2017. For the investment loan, overall progress is about 40%. Under the FIL, Sub loans in total of CNY135 million to 11 SMEs were approved.</p> <p>Tranche 2 was approved on 4 April 2018, 7 out of 12 civil works contracts have been awarded with current overall physical progress about 20%. Consulting services are ongoing.</p> <p>Tranche 3 is planned for approval in 2021 (Firm) under the COBP, 2019–2021.</p>	Nanning, Qinzhou, Fangcheng-gang, Chong-zuo, Baise NSEC	<p>1. sustainable development of small and medium-sized enterprises (SMEs) enhanced;</p> <p>2. Cross-border financial trade and investment improved;</p> <p>3. cross-border e-commerce platform developed;</p> <p>4. cross-border economic cooperation, key infrastructure and commerce service for BEZs improved;</p> <p>5. cross-border transportation, information connectivity and policy coordination enhanced.</p>	<p>Ms. Su Xu-anyun</p> <p>Ms. Yan Yan, Division Director, Foreign Capital Utilization and Overseas Investment, Guangxi DRC. Her email contact information is waizc@gxi.gov.cn</p>
Tranche	Year	Total	ADB	Govt.																																	
Tranche 1	2016	280.0	130.0	150.0																																	
Tranche 2	2018	440.0	180.0	260.0																																	
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Continued on next page

Investment projects in RIF 2022 continued

No.	Project Title	Country Coverage	Description	Year of Approval	Cost Estimate (\$ million)		Potential Funding Source and Amount (\$ million)		Status Updates	Key Locations and GMS Economic Corridor Alignment	Expected/Planned Measurable Outputs	Project Contact
					Second Progress Report (2019)	2020 Updates (if any)	Second Progress Report (2019)	2020 Updates (if any)				
2	Support to Border Areas Development Project	Viet Nam	The project is supporting the Cambodia– Laos– Viet Nam (CLV) Development Triangle Area objectives of facilitating the flow of goods, people, and investment capital; and of exploring agricultural, forestry, and tourism potential by accelerating economic growth within Viet Nam's Development Triangle Area (VDTA). Outputs will include (i) rehabilitated road infrastructure in five VDTA provinces; (ii) developed VDTA plans and facilities for transport and trade facilitation, with a focus on inclusive growth; and (iii) strengthened institutional capacity for VDTA planning, project design, and implementation, and for resource management.	2016	122.1	122.1	ADB—106.5 Government of Viet Nam—15.6	ADB—106.5 Government of Viet Nam—15.6	Ongoing Due to delayed allocation of ODA budget by central government, contract awards of civil works packages will be delayed by more than 2 years, i.e. contract award of all main civil works are expected only by end Q4 2020.	Binh Phuoc, Dak Nong, Gia Lai, Kon Tum, Dak Lak	1. Road infrastructure in five VDTA provinces rehabilitated 2. VDTA plans and facilities to facilitate transport and trade with a focus on inclusive growth developed 3. Institutional capacity for VDTA investment planning, project design and implementation, and resource management strengthened	Project Coordination Unit for five provincial PPMUs: Kon Tum biengioikon-tum@gmail.com Gia Lai biengioigl@gmail.com Dak lak dabgdaklak@gmail.com Dak Nong dabgda-knong@gmail.com Binh Phuoc banqldaxd.bp@gmail.com

Continued on next page

Investment projects in RIF 2022 continued

No.	Project Title	Country Coverage	Description	Year of Approval	Cost Estimate (\$ million)		Potential Funding Source and Amount (\$ million)		Status Updates	Key Locations and GMS Economic Corridor Alignment	Expected/Planned Measurable Outputs	Project Contact
					Second Progress Report (2019)	2020 Updates (if any)	Second Progress Report (2019)	2020 Updates (if any)				
3	Yunnan–Lincang Border Economic Cooperation Zone Development Project	PRC	The project will address cross-border trade capacity, border connectivity, and urban and social development issues in the Cangyuan Wa, Gengma Dai and Wa, and Zhenkang counties in Lincang Prefecture; and support Yunnan Province in enhancing regional cooperation and integration (RCI) under the Greater Mekong Subregion (GMS) program, focusing on economic corridor development. It is expected to enhance RCI in the Shan border province of Myanmar by providing benefits to Myanmar nationals who trade, work, and use social services in the project counties	2018	402.8	402.8	ADB—250.0 Government of the PRC—152.8	ADB—250.0 Government of the PRC—152.8	Ongoing ADB loan financing was approved on 10 Dec 2018, signed on 14 April 2019, effective 11 July 2019. Strong progress since inception. Sixteen packages will be procured in 2020. Detailed design of most packages will be completed in 2020, which will enable strong implementation throughout 2021.	Lincang, Yunnan Province NSEC	1. Cross border trade capacity improved 2. Integrated urban environment infra in Mengding and Qingshuihem National port areas improved 3. Social Infra and services improved 4. Institutional capacity of involved agencies improved.	Lincang Municipal Government No. 350, Shiji Road, Fengxiang Sub-district, Linxiang District, Lincang City, Yunnan Province
4	Vientiane Saysettha Development Zone Project (Phase II Infrastructure and Supporting Construction Project)	Lao PDR	Project covers an area of 6.14 square kilometers. Infrastructure construction include land leveling, main road paving, integrated pipe network, lighting facility, and transformer substation. Supporting construction include standardized plant, dormitory, enterprise service center, living and service facilities and recreation and sports center.	2019	300.0	300.0	PRC—300.0	PRC—300.0	Ongoing. Submitted by PRC on 16 Oct 2019 as supplementary project.	Lao PDR NSEC		Yunnan Provincial Overseas Investment Co., Ltd. of YCIH.Gu Feng, Tel: 856205 8491283

Continued on next page

Investment projects in RIF 2022 continued

No.	Project Title	Country Coverage	Description	Year of Approval	Cost Estimate (\$ million)		Potential Funding Source and Amount (\$ million)		Status Updates	Key Locations and GMS Economic Corridor Alignment	Expected/Planned Measurable Outputs	Project Contact
					Second Progress Report (2019)	2020 Updates (if any)	Second Progress Report (2019)	2020 Updates (if any)				
5	Border Trade Zone in Muse, Kampitee, Shinshwehaw	Myanmar, PRC	<p>To improve the competitiveness of the border area cities with following proposed components: (1) Provide and upgrade infrastructure in GMS corridor towns and in other key urban areas; (2) Identify or update key border areas and priority border points based on reconfigured GMS economic corridors; and (3) Develop border zones.</p> <p>To establish a core zone at Muse (Shweli) and Border Trade Zone, at Sallent (Manhero) near Muse-Namkham road and Kyainsankyawt, surveys for the land availability are being implemented for the proposed import & export processing zones.</p> <p>For Kampitee & Chinshwehaw, to propose zoning & master plan as the border trade cities, Department of Urban and Housing Development, Ministry of Construction is preparing to formulate the plan after the period of COVID pandemic.</p>	2021	TBD	TBD	TBD	TBD	<p>Proposed by Myanmar. Project feasibility study has started by Department of Urban & Housing Development, Ministry of Construction, Myanmar.</p>	Muse, Kampitee, Shinshwehaw NSEC	Provide and upgrade infrastructure in GMS corridor towns and in other key urban areas; Identify or update key border areas and priority border points based on reconfigured GMS economic corridors; and (iii) Develop border zones.	<p>Daw Aye Aye Myint Deputy Director General Department of Urban & Housing Development, Ministry of Construction Phone: +95 9448548951 Email: ayengemmt@gmail.com</p> <p>U Zaw Zaw Aye Director Department of Urban & Housing Development, Ministry of Construction Phone: +95 943015627 Email: zawzawayedhshd.71@gmail.com</p>
Subtotal (Other Multisector/Border Economic Zones Investment Projects)					2,064.9*	2,004.9						

* The amount includes cost of projects in RIF Second Update (2019) but deleted/dropped in RIF Third Update (2020).

Technical Assistance Projects

No.	Project Title	Country Coverage	Description	Year of Approval	Cost Estimate (\$ million)		Potential Funding Source and Amount (\$ million)		Status Updates	Key Locations and GMS Economic Corridor Alignment	Expected/Planned Measurable Outputs	Project Contact
					Second Progress Report (2019)	2020 Updates (if any)	Second Progress Report (2019)	2020 Updates (if any)				
1	Strengthening the Coordination of the GMS Program	All GMS countries	The regional policy and advisory technical assistance (TA) will build on earlier regional TA providing coordination support to the GMS program to help member countries strengthen their regional cooperation and integration. The TA has been developed in consultation with GMS national secretariats in all countries, which coordinate public and private sector as well as civil society participation in the GMS program in their respective countries.	2010	6.0	6.0	ADB—5.95	ADB—5.95	Completed in 2018.	NSEC EWEC SEC	The TA's expected outputs were: (i) preparation of a new GMS 10-year Strategic Framework (2012-2022); (ii) GMS working groups, corridor development forums, and other high-level meetings to promote the planned and prepared multi-sector approach; (iii) increased capacity of GMS national secretariats; (iv) new and emerging information and knowledge products for GMS prepared and disseminated; (v) structured information exchange and dialogue between ADB and development partners.	GMS Secretariat South-east Asia Department, ADB gms@adb.org

Continued on next page

Technical assistance projects in RIF 2022 continued

No.	Project Title	Country Coverage	Description	Year of Approval	Cost Estimate (\$ million)		Potential Funding Source and Amount (\$ million)		Status Updates	Key Locations and GMS Economic Corridor Alignment	Expected/Planned Measurable Outputs	Project Contact
					Second Progress Report (2019)	2020 Updates (if any)	Second Progress Report (2019)	2020 Updates (if any)				
2	Preparatory TA for Guangxi Regional Cooperation and Integration Promotion Investment Program	PRC	The PPTA has been (i) conducting sector reviews to identify the key issues to be addressed by the investment program; (ii) identifying subprojects covered by the first tranche of the MFF, and helped the executing agency prepare preliminary feasibility studies; (iii) doing pre-implementation work for the investment program;(iv) assisting the executing agency and implementing agencies in assessing preliminary engineering designs and specifications, verifying detailed cost estimates, etc.; (v) suggesting key features for the contractual agreements and/or other necessary legal or institutional arrangements; and (vi) helping prepare the facility's administration manual.	2016	1.2	1.2	ADB-1.0 Government of PRC- 0.2	ADB-1.0 Government of PRC- 0.2	Completed TA 9120 closed on 30 November 2017.	Fangcheng-gang, Chongzuo, Baise, Qin-zhou NSEC	(i) sector reviews conducted (ii) subprojects in the first tranche of the MFF identified and preliminary feasibility studies prepared (iii) pre-implementation work for the investment program conducted, (iv) assisted the executing agency and implementing agencies in assessing preliminary engineering v) suggested key features in contractual agreements or other necessary legal or institutional arrangements, and vi) contributed to the preparation of the facility administration manual.	Bo An Public Management Specialist Financial Sector and Regional Cooperation Division ADB East Asia Department boan@adb.org

Continued on next page

Technical assistance projects in RIF 2022 continued

No.	Project Title	Country Coverage	Description	Year of Approval	Cost Estimate (\$ million)		Potential Funding Source and Amount (\$ million)		Status Updates	Key Locations and GMS Economic Corridor Alignment	Expected/Planned Measurable Outputs	Project Contact
					Second Progress Report (2019)	2020 Updates (if any)	Second Progress Report (2019)	2020 Updates (if any)				
3	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	This policy and advisory technical assistance (TA) is enhancing the capacity of the governments of the PRC and Viet Nam to develop, manage, negotiate, and promote border economic zones (BEZs) in their border areas. Outputs will include (i) policy recommendations for coordinated BEZs; (ii) strengthened development and management of the BEZs, along with public-private coordination; and (iii) capacity building of government stakeholders.	2017	0.4	0.4	PRC Regional Cooperation and Poverty Reduction Fund—0.4	PRC Regional Cooperation and Poverty Reduction Fund—0.4	Completed. TA 9293 terminated on 29 March 2019, the final closing date is 19 June 2019. The TA inception workshop in Hanoi was held jointly with Viet Nam National University, where experts presented ongoing academic research on the subject area in Viet Nam.	PRC Nationwide and Viet Nam Nationwide	1. Policy recommendations for coordinated development and economic integration for BEZs; 2. support on cooperative mechanism, cooperation in public and private-invested area of BEZs; 3. capacity connection in key area.	Bo An Public Management Specialist Mgt., Financial Sector and Regional Cooperation Division ADB East Asia Department boan@adb.org
4	PPTA for Yunnan-Lincang Cross-Border Economic Cooperation and Integration Promotion Investment Program	PRC	This project preparatory technical assistance (PPTA) will arrange the proposed loan for a project focused on the PRC-Myanmar border, with a scope that will include: (i) cross-border economic cooperation infrastructure (water supply, wastewater, solid waste, roads), (ii) border facilities, (iii) hospitals, (iv) schools (primary and vocational); and (v) capacity development.	2018	0.5	0.5	ADB	ADB—0.5	Completed.	Lincang, Yunnan NSEC	Proposed loan investment project prepared	Lincang Municipal Government No. 350, Shiji Road, Fengxiang Sub-district, Linxiang District, Lincang City, Yunnan Province

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Technical assistance projects in RIF 2022 continued

No.	Project Title	Country Coverage	Description	Year of Approval	Cost Estimate (\$ million)		Potential Funding Source and Amount (\$ million)		Status Updates	Key Locations and GMS Economic Corridor Alignment	Expected/Planned Measurable Outputs	Project Contact
					Second Progress Report (2019)	2020 Updates (if any)	Second Progress Report (2019)	2020 Updates (if any)				
5	Sustaining the Gains of Regional Cooperation in the Greater Mekong Subregion	All GMS Countries	<p>The knowledge and support technical assistance (TA) will support countries in the Greater Mekong Subregion (GMS) in transforming the GMS Program into a more effective regional cooperation platform that adds value to member countries' national development strategies and benefits the local populations of member countries.</p> <p>1 The TA is aligned with the GMS Economic Cooperation Program Strategic Framework, 2012–2022; and ADB's Operational Plan for Regional Cooperation and Integration, 2016–2020.</p> <p>2 GMS countries strongly support the proposed outputs and activities.</p>	2017	2.0	2.8	ADB—2.0	ADB—2.8	<p>Ongoing since October 2017 and revised closing date is 30 June 2021.</p> <p>The TA supported the organization and conduct of GMS major and side events like 10th Economic Corridors' Forum, 23rd Ministerial Conference and GMS Senior Official's Meetings (SOM). in Provided secretariat support to (or supported organizing) various GMS Working Group (WG) meetings that are venues to discuss and firm up GMS sector strategies, plans and, projects. The TA supported/ currently supporting the production of various GMS knowledge products.</p>		GMS coordination and decision-making mechanisms	GMS Secretariat South-east Asia Department, ADB gms@adb.org
Subtotal (Other Multisector/ Border Economic Zones TA Projects)					18.0*	10.9						
Total (Other Multisector/ Border Economic Zones Investment and TA Projects)					2,082.9*	2,015.8						

* The amount includes cost of projects in RIF Second Update (2019) but deleted/dropped in RIF Third Update (2020).

Tourism

Investment Projects

No.	Project Title	Country Coverage	Description	Year of Approval	Cost Estimate (\$ million)		Potential Funding Source and Amount (\$ million)		Status Updates	Key Locations and GMS Economic Corridor Alignment	Expected/Planned Measurable Outputs	Project Contact																				
					Second Progress Report (2019)	2020 Updates (if any)	Second Progress Report (2019)	2020 Updates (if any)																								
1	GMS Tourism Infrastructure for Inclusive Growth	Cambodia, Lao People's Democratic Republic (Lao PDR), Viet Nam	<p>The project accelerates inclusive economic growth along targeted segments of the Greater Mekong Subregion (GMS) economic corridors by improving tourism-related access infrastructure and environmental conditions at cross-border tourism centers, and by strengthening the capacity of public-private destination management organizations.</p> <p>The project supports (i) improvements in the last-mile tourism access infrastructure, (ii) enhanced environmental services at cross-border tourism centers, (iii) strengthened institutional capacity for promoting and managing inclusive tourism growth, and (iv) effective project implementation and knowledge management. Project areas include contiguous segments of the Southern Coastal Corridor in Cambodia and Viet Nam, the Southern Corridor in Viet Nam, the Central Corridor in the Lao PDR, and the Eastern Corridor in northern Viet Nam.</p> <p>The estimated costs in millions of dollars is as follows:</p> <table border="1"> <thead> <tr> <th>Country</th> <th>Total</th> <th>ADB</th> <th>Government</th> </tr> </thead> <tbody> <tr> <td>Cambodia</td> <td>18.77</td> <td>18.0</td> <td>0.77</td> </tr> <tr> <td>Lao PDR</td> <td>43.57</td> <td>40.0</td> <td>3.57</td> </tr> <tr> <td>Viet Nam</td> <td>55.08</td> <td>50.0</td> <td>5.08</td> </tr> <tr> <td>TOTAL</td> <td>117.42</td> <td>108.0</td> <td>9.42</td> </tr> </tbody> </table>	Country	Total	ADB	Government	Cambodia	18.77	18.0	0.77	Lao PDR	43.57	40.0	3.57	Viet Nam	55.08	50.0	5.08	TOTAL	117.42	108.0	9.42	2014	117.4	117.4	Asian Development Bank (ADB)—108.0 Governments of Cambodia, the Lao PDR, and Viet Nam—9.4	Asian Development Bank (ADB)—108.0 Governments of Cambodia, the Lao PDR, and Viet Nam—9.4	<p>Ongoing Cambodia: As of 30 June 2020, overall progress is 81%. Kampot International Ferry Port being constructed; Kep Crab Market Environment Improvements completed. Tourism planning and capacity building activities on-track.</p> <p>Lao PDR: as of 30 June 2020, overall progress is 90%. All 4 civil works contracts awarded; road and port improvements in Luang Prabang and Khammouane completed; road improvements in Oudomxay are ongoing and scheduled to be completed in Dec 2020. Tourism planning and capacity building activities on-track.</p>	<p>Cambodia: Koh Kong, Kampot and Kep GMS Southern Coastal Corridor</p> <p>Lao PDR: Luang Prabang, Oudomxay, Khammouane and Champasak GMS Central Corridor</p> <p>Viet Nam: Dien Bien, Lao Cai, Ha Tinh, Tay Ninh and Kien Giang provinces NSEC</p>	<p>(i) 127 km of provincial and district access roads to tourist sites and two ferry ports improved/constructed, (ii) 4,000 m³/day wastewater treatment capacity installed at tourist sites, (iii) about 30 hectares of land in tourist areas protected from flooding; (iv) about 1,400 entrepreneurs receive business support services; and (v) 12 destination management organizations strengthened.</p>	Mr. Steven Schipani, SERD/ADB sschipani@adb.org
Country	Total	ADB	Government																													
Cambodia	18.77	18.0	0.77																													
Lao PDR	43.57	40.0	3.57																													
Viet Nam	55.08	50.0	5.08																													
TOTAL	117.42	108.0	9.42																													

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Investment projects in RIF 2022 continued

No.	Project Title	Country Coverage	Description	Year of Approval	Cost Estimate (\$ million)		Potential Funding Source and Amount (\$ million)		Status Updates	Key Locations and GMS Economic Corridor Alignment	Expected/Planned Measurable Outputs	Project Contact
					Second Progress Report (2019)	2020 Updates (if any)	Second Progress Report (2019)	2020 Updates (if any)				
									Viet Nam: All 8 civilworks contracts awarded (road improvements, wastewater treatment, market facilities), 3 completed and 5 ongoing. Tourism planning and capacity building activities generally on-track, with reduced scope Project to be extended to June 2021.			
2	Construction of the Sino-Vietnamese Detian-Ban Gioc Waterfalls International Tourism Cooperation Zone * Chongzuo Sino-Viet Nam Cross-border Tourism subproject	PRC, Viet Nam	The project aims to develop tourism infrastructure and support service facilities in the Sino-Vietnamese Detian-Ban Gioc Waterfalls International Tourism Cooperation Zone, which is located in the GMS Northern Economic Corridor. The project includes the construction or renovation of river ports, frontier trading facilities, highways, water supply systems, electricity supply systems, and sewage and garbage disposal systems, as well as support for village-based development within the Detian Tourism Area. The PRC has suggested including improvements in the local rural environment and ecosystem, and the construction of a tourist center, parking lots, sightseeing walkways, green bicycle paths, a Sino-Vietnamese museum, and a center for Sino-Vietnamese intercultural communication	2016	200.0	200.0 62.9	Governments of the PRC, Viet Nam,	Governments of the PRC, Viet Nam, and ADB ADB—25.0 Government of PRC—37.93	Ongoing Highway network to Detian in Guangxi Province under construction. Government of Viet Nam has approved the general development plan/ construction project of Ban Gioc waterfall tourism site and detailed plan for the site's central area, currently seeking financing to develop the area. New border gate facility constructed with site access roads improvement in 2019-2020.	Guangxi Zhuang, PRC, Cao Bang, Viet Nam (Detian PRC-Viet Nam) NSEC	See description.	Ms. XU Li Director, Department of International Economic and Financial Cooperation, Ministry of Finance Office of the GMS National Coordinator, PRC xuli@mof.gov.cn Mr. Nguyen Viet Ha Office of the GMS National Coordinator, FERD, MPI, Viet Nam ngvietha77@yahoo.com

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Investment projects in RIF 2022 continued

No.	Project Title	Country Coverage	Description	Year of Approval	Cost Estimate (\$ million)		Potential Funding Source and Amount (\$ million)		Status Updates	Key Locations and GMS Economic Corridor Alignment	Expected/Planned Measurable Outputs	Project Contact
					Second Progress Report (2019)	2020 Updates (if any)	Second Progress Report (2019)	2020 Updates (if any)				
			This subproject will promote Sino-Viet Nam Daxin Detian-Ban Gioc transnational Waterfalls cross-border tourism and trade development through infrastructure updating and smart tourism service system development. The subproject is expected to bring significant financial, economic, environmental, inclusive growth, and regional cooperation benefits to both Vietnam and PRC and GMS region						ADB and PRC are preparing the Chongzuo Sino-Viet Nam Cross-border Tourism subproject as part of the Guangxi Regional Cooperation Integration Promotion Investment Program Tranche 3. Approval expected in mid-2021.			
3	Strengthening Tourism Vocational Training Institutions Program	Cambodia, PRC, Lao PDR, Thailand, Viet Nam	The program is establishing vocational training institutions, strengthening teaching capacity, and developing curriculum and training materials that harmonize with ASEAN and PRC standards. It is also promoting exchanges and cooperation among GMS tourism schools and university programs to promote better tourism management and hospitality services.	2016	70.0	70.0			Ongoing			
	(*Skills Development in the Tourism and Hospitality Sector in Lao PDR—Skills for Tourism)	Lao PDR	*The project supports improvement in tourism/hospitality vocational education and training through enhanced quality, increased scale of provision, financing, and good governance. A particular emphasis of the project is to support people from disadvantaged backgrounds to acquire the skills needed to work directly or indirectly in the greater tourism economy. The overall objective is promotion of sustainable and inclusive growth of the Lao PDR tourism/hospitality sector thereby contributing to poverty reduction.				Luxembourg 8.6 (7.5 million EUR) Switzerland—8.6 (7.5 million EUR) In-kind contribution from Lao PDR	Luxembourg 8.6 (7.5 million EUR) Switzerland—8.6 (7.5 million EUR) In-kind contribution from Lao PDR	Ongoing Implementation of 5-year project began in September 2016. Project is generally on track. Disbursement is expected to be at approx. 11.25 million EUR by end of 2020 (75% disbursement against 81% time elapsed).	All provinces and Vientiane Capital, with a higher concentration of support/activities in key tourism locations.	5,000 people participate in tourism/hospitality vocational education and skills development. 75% of graduates are employed	Tony Donovan Chief Technical Adviser Skills for Tourism Project tony.donovan@luxdev.lu

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Investment projects in RIF 2022 continued

No.	Project Title	Country Coverage	Description	Year of Approval	Cost Estimate (\$ million)		Potential Funding Source and Amount (\$ million)		Status Updates	Key Locations and GMS Economic Corridor Alignment	Expected/Planned Measurable Outputs	Project Contact
					Second Progress Report (2019)	2020 Updates (if any)	Second Progress Report (2019)	2020 Updates (if any)				
4	Improve Tourism Infrastructure and Facilities in the Konglor Cave-Phong Nha Ke Bang-Nakhon Phanom Corridor	Lao PDR, Thailand, Viet Nam	The project is helping improve small infrastructure and public amenities to provide better visitor services and tourist information. The New Zealand – Lao PDR Ministry of Information, Culture and Tourism Lao Tourism Support Activity is enhancing visitor experience and service quality and promoting travel around The Loop, a touring circuit through Khammouane and Bolikhamxay provinces of Lao PDR, with Konglor Cave as one its key attractions. In addition to support for Konglor Cave, the project is developing additional sites and products around The Loop, including construction of tourist facilities, improving site access, interpretation and management, SME support targeting handicraft producers, and transportation and food and accommodation service providers, enhancing tourist safety etc. Marketing activities include promotion of the Loop as to existing and potential cross-border tourism flows between Thailand, Lao PDR and Viet Nam.	2017	1.6	1.6	Governments of the Lao PDR, Thailand, and Viet Nam, ODA (New Zealand)	Governments of the Lao PDR, Thailand, and Viet Nam, ODA (New Zealand)	Ongoing Small infrastructure support and capacity building programs all completed. Several hundred small enterprises and destination managers received training and tourism-related business-support services. Project extended until December 2020. Thailand Hosted the 2018 Mekong Tourism forum in Nakhon Phanom. Following the Forum, several cross-border media and travel industry familiarization tours organized.	Lao PDR: NSEC Thailand: NSEC Viet Nam: NSEC	Lao PDR: In project areas – overnight visits: \$2.1 million, day visits: \$1.0 million. Overnight visits: daily expenditure international: \$55, regional: \$45, domestic: \$18. Average length of stay: 2.5 days. Employment: 160 additional women and 125 additional men employed in the tourism sector.	Thavipheth Oula Deputy Director General, Tourism Development Department Ministry of Information, Culture, and Tourism thavipheth@yahoo.com
5	Tourism Information Center and Roadside Rest Area Development	All GMS countries	The project is developing or improving tourism information centers at primary and secondary tourist attractions and will professionalize facilities management.	2017	30.0	30.0	Governments of the GMS countries, ODA	Governments of the GMS countries, ODA	Ongoing Activities integrated in transport, trade, SME-development, and other tourism projects.			Mr. Jens Thraenhart, MTCO jens@tourismmekong.org

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Investment projects in RIF 2022 continued

No.	Project Title	Country Coverage	Description	Year of Approval	Cost Estimate (\$ million)		Potential Funding Source and Amount (\$ million)		Status Updates	Key Locations and GMS Economic Corridor Alignment	Expected/Planned Measurable Outputs	Project Contact																				
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6	Second GMS Tourism Infrastructure for Inclusive Growth	Cambodia, Lao PDR, Viet Nam	<p>The project improves urban–rural connectivity; environmental services; and the capacity to manage tourism growth in secondary destinations along the GMS economic corridors. It also supports implementation of Association of Southeast Asian Nations (ASEAN) Tourism Standards.</p> <p>The estimated costs in millions of dollars is as follows:</p> <table border="1"> <thead> <tr> <th>Country</th> <th>Total</th> <th>ADB</th> <th>Government</th> </tr> </thead> <tbody> <tr> <td>Cambodia</td> <td>30.89</td> <td>30.0</td> <td>0.89</td> </tr> <tr> <td>Lao PDR</td> <td>48.8</td> <td>47.0</td> <td>1.8</td> </tr> <tr> <td>Viet Nam</td> <td>56.67</td> <td>45.0</td> <td>11.67</td> </tr> <tr> <td>TOTAL</td> <td>136.36</td> <td>122.0</td> <td>14.36</td> </tr> </tbody> </table>	Country	Total	ADB	Government	Cambodia	30.89	30.0	0.89	Lao PDR	48.8	47.0	1.8	Viet Nam	56.67	45.0	11.67	TOTAL	136.36	122.0	14.36	2018	136.4	136.4	ADB—122.0 Governments of the Lao PDR, and Viet Nam—14.4	ADB—122.0 Governments of the Lao PDR, and Viet Nam—14.4	<p>Ongoing ADB approved the Cambodia and Lao PDR components on 31 August 2018, while the Viet Nam component was approved on 7 December 2018.</p> <p>Cambodia: Project successfully launched in Q1 2019. As of 30 June 2020, implementation progress was about 18%.</p> <p>Lao PDR: Project successfully launched in Q1 2019, As of 30 June 2020 implementation progress was about 25%.</p> <p>Cambodia and Lao PDR awarded first road and landfill works contracts. Other landfill, road and small port works contracts to be awarded in 2020.</p>	<p>Cambodia Kep, Preah Sihanouk, Kampot and Koh Kong provinces SEC</p> <p>Lao PDR: Champasak, Luang Prabang, Vientiane provinces NSEC, SEC</p> <p>Viet Nam: Hoa Binh, Nghe An, Quang Binh, Quang Tri, Thua Thien Hue provinces NSEC, EWEC</p>	<p>Cambodia-Lao PDR: (i) 73 km provincial and district access roads to tourist sites and 4 ferry ports improved, (ii) 2 landfills constructed and solid waste management improved for 5,300 households/businesses; (iii) 25 ha of land in tourist areas protected from flooding; (iv) 6 towns achieve ASEAN Clean Tourist City standard, 107 hotels achieve green hotel standard and</p>	<p>Cambodia: Siti Hasanah shasanah@adb.org SERD/ ADB</p> <p>Lao PDR: Phoxay Xayyavong pxayyavong@adb.org</p> <p>Viet Nam: Hoang Nhat Do dohoang@adb.org</p>
Country	Total	ADB	Government																													
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Investment projects in RIF 2022 continued

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					Second Progress Report (2019)	2020 Updates (if any)	Second Progress Report (2019)	2020 Updates (if any)				
									<p>Viet Nam: Legal opinions for loan agreement and project agreements to meet conditions of loan effectiveness expected in Q3 2020. Some consultant recruitment started in Q3 2020.</p>		<p>148 homestays achieve homestay standard; 500 entrepreneurs and hotels/homestays receive business support services; and (vi) 5000 residents join destination management/tourism awareness activities.</p> <p>Viet Nam: (i) 31 km of provincial and district access roads to tourist sites and 13 ferry piers improved / constructed, (ii) 228 ha of beach-front improved and protected from storms and flooding;</p>	

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Investment projects in RIF 2022 continued

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					Second Progress Report (2019)	2020 Updates (if any)	Second Progress Report (2019)	2020 Updates (if any)				
											(iv) 4 towns achieve ASEAN Clean Tourist City and 44 hotels achieve green hotel standard; (v) five public-private partnerships (management contract/ lease) established to operate and maintain project-supported tourism facilities.	

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Investment projects in RIF 2022 continued

No.	Project Title	Country Coverage	Description	Year of Approval	Cost Estimate (\$ million)		Potential Funding Source and Amount (\$ million)		Status Updates	Key Locations and GMS Economic Corridor Alignment	Expected/Planned Measurable Outputs	Project Contact
					Second Progress Report (2019)	2020 Updates (if any)	Second Progress Report (2019)	2020 Updates (if any)				
7	Community- Based Tourism Enterprise Support Program	All GMS countries	The project will provide business support services to facilitate community-based tourism development and local access to tourism- related value chains.	2020	30.0	30.0	Governments of the GMS countries, ODA	Governments of the GMS countries, ODA	Proposed			Mr. Jens Thraenhart, MTCO jens@tourismmekong.org
	*Community-Based Tourism COVID-19 Recovery Project	Cambodia	The project will help accelerate post-COVID-19 tourism recovery in rural communities living near Preah Vihear (Preah Vihear province) and Phnom Da (Takeo province) heritage sites.	2020		3.0		ADB Trust Funds	Preparation underway, expected approval in Q4 2020.	Preah Vihear province and Takeo province SEC	Strengthened local capacity for inclusive community-based tourism (CBT) development and promotion; tourism and commercial agricultural livelihood activities strengthened; and enhanced community-based public facilities and services.	Leonard H. Leung ADB, lleung@adb.org
8	Tourism Infrastructure Development in the Green Triangle Development Area	Cambodia, Lao PDR, Viet Nam	The project will develop tourism-related infrastructure within the framework of the Green Triangle Development Plan. In northeastern Cambodia, for instance, the project will develop tourism-related infrastructure (including the airport in Ratanakiri Province), vocational training, and small-scale community-based tourism.	2022	75.0	75.0	TBD	TBD	Proposed			Mr. Jens Thraenhart, MTCO jens@tourismmekong.org

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Investment projects in RIF 2022 continued

No.	Project Title	Country Coverage	Description	Year of Approval	Cost Estimate (\$ million)		Potential Funding Source and Amount (\$ million)		Status Updates	Key Locations and GMS Economic Corridor Alignment	Expected/Planned Measurable Outputs	Project Contact
					Second Progress Report (2019)	2020 Updates (if any)	Second Progress Report (2019)	2020 Updates (if any)				
9	Tourism Infrastructure Development in the Emerald Triangle Development Area	Cambodia, Lao PDR, Thailand	The project will develop tourism-related infrastructure within the framework of the Emerald Triangle Development Plan.	2022	75.0	75.0	TBD—50.0 Government of Thailand— 25.0	TBD—50.0 Government of Thailand— 25.0	Proposed			Mr. Jens Thraenhart, MTCO jens@tourismmekong.org
10	River and Coastal Port Improvements	All GMS countries	The project will develop and/or improve water transport terminals to facilitate access to tourist attractions and secondary destinations.	2022	250.0	250.0	Governments of the GMS countries, ADB, Official Development Assistance (ODA)	Governments of the GMS countries, ADB, Official Development Assistance (ODA)	Proposed			Mr. Jens Thraenhart, MTCO jens@tourismmekong.org
11	Guangxi Guilin Comprehensive Ecological Rehabilitation Project (formerly Improve Environmental Services in World Heritage Sites)	PRC	The project aims to improve water quality and reduce water pollution in the Li River, reduce air pollution, promote non-motorized transportation, and develop targeted measures for poverty reduction in several impoverished counties in Guilin.	2021	250.0	330.0	Governments of the GMS countries, ODA	ADB - 130 PRC Government - 190	Proposed Preparation underway, expected approval in Q3 2021	Guilin, Guangxi Zhuang, PRC	(i) Climate proofed sustainable small infrastructure, including ecological protection and restoration of the Li River; wastewater infrastructure of ancient villages and towns rehabilitated; pedestrian and cycling facilities constructed;	Nicolas Castellindeicastelli@adb.org

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Investment projects in RIF 2022 continued

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					Second Progress Report (2019)	2020 Updates (if any)	Second Progress Report (2019)	2020 Updates (if any)				
											(ii) Sustainable tourism facilities built and improved, including Li River infrastructure and small-scale tourism service support facilities; and (iii) Sustainable and inclusive tourism and river management capacity strengthened, and behavioral change campaigns.	
12	Border Facilities Improvement Program	All GMS countries	The project will upgrade border infrastructure, information technology, and management systems to improve passenger and vehicle clearance efficiency, safety, and security.	2022	200.0	200.0	Governments of the GMS countries, ODA	Governments of the GMS countries, ODA	Proposed			Mr. Jens Thraenhart, MTCO jens@tourismmekong.org
Subtotal (Tourism Investment Projects)					1,435.4	1,515.4						

Technical Assistance Projects

No.	Project Title	Country Coverage	Description	Year of Approval	Cost Estimate (\$ million)		Potential Funding Source and Amount (\$ million)		Status Updates	Key Locations and GMS Economic Corridor Alignment	Expected/Planned Measurable Outputs	Project Contact
					Second Progress Report (2019)	2020 Updates (if any)	Second Progress Report (2019)	2020 Updates (if any)				
1	Preparing Second GMS Tourism Infrastructure for Inclusive Growth Project	Cambodia, Lao PDR, Viet Nam	The technical assistance (TA) supported the preparation of investment projects (including detailed engineering designs for 3 infrastructure subprojects) to improve urban– rural connectivity, environmental services and the capacity to boost tourism revenues, jobs, and environmental performance in secondary destinations along the GMS economic corridors. The project is also supporting the implementation of ASEAN regional tourism standards.	2016	2.2	2.2	ADB—1.5 NDF—0.7	ADB—1.5 NDF—0.7	Completed. Project preparation completed, ensuing loans (\$122 million) approved in 2018. NDF supported climate risk and vulnerability assessment for 12 infrastructure sub-projects and detailed engineering design for 3 subprojects.	NSEC, SEC	GMS Tourism Sector Strategy 2016–2025 updated and endorsed at 22 nd GMS Ministerial Conference. Feasibility studies for priority infrastructure and other project outputs including market analysis; stakeholder consultations; climate risk assessment; preliminary engineering designs; social, economic and financial analysis; safeguards documents; cost estimates; and analysis of risks and mitigation measures – all completed following government and ADB requirements.	Mr. Steven Schipani, SERD/ADB sschipani@adb.org

Technical assistance projects in RIF 2022 continued

No.	Project Title	Country Coverage	Description	Year of Approval	Cost Estimate (\$ million)		Potential Funding Source and Amount (\$ million)		Status Updates	Key Locations and GMS Economic Corridor Alignment	Expected/Planned Measurable Outputs	Project Contact
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2	Small Scale Knowledge and Support Technical Assistance for 2018 Mekong Innovative Startup Tourism (MIST) Accelerator Program (aka Mekong Tourism Innovation)	Cambodia, Lao PDR, Myanmar, Viet Nam	MIST identifies, pilots, and helps entrepreneurs and government scale innovative tourism solutions, both traditional and technology-based, that contribute to sustainable and inclusive tourism. The first MIST accelerator program launched in January 2017 successfully incubated 12 tourism startups from Cambodia, Lao PDR, Myanmar, and Viet Nam. The 2018 MIST identified 5 additional scalable business models and technologies to address priority GMS visitor market needs. It deepened industry engagement by setting up a tourism industry advisory group that included corporates, technology companies, mature startups, research agencies, media, and academia.	2018	0.2	0.2	DFAT (Australia) —0.225	DFAT (Australia) —0.225	<p>Completed October 2018. The TA was evaluated highly successful as all TA outputs were achieved and the outcome target to grow at least 5 MIST tourism business models through new investment/new commercial partnerships by 2020 was exceeded in early 2019.</p> <p>Completion report available at: www.adb.org/projects/documents/reg-52108-001-tcr</p> <p>The follow-on 2019 MIST program introduced a two-category approach, mentoring GMS travel tech ventures and travel social impact ventures. Finalists pitched during the October 2019 Travel Startups Asia Summit in Bangkok, with keynote speakers including prominent experts and former ministers. Finalists were invited to a</p>		<p>2018 MIST accelerator program designed and implemented.</p> <p>Output targets included (i) MIST 2018 receives at least 100 applications; (ii) at least 5 tourism start-ups in the startup track and at least 3 in the market access track graduate from the MIST accelerator program; and</p> <p>(iii) MIST 2018 generates at least 1 million social shares.</p>	<p>Mr. Dominic Mellor, SERD/ADB dmellor@adb.org</p> <p>Mr. Jens Thraenhart, MTCO jens@tourismmekong.org</p>

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Technical assistance projects in RIF 2022 continued

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									<p>coaching session the day prior with investors and industry experts, hosted by PATA. The Tourism Authority of Thailand (TAT) cooperated with the MTCO to promote MIST 2019 program to Thai travel startups through TAT's channels, assisted in selecting Thai travel startups to be considered as finalists, awarded the winning Thai travel startup to attend the ITB Asia in Singapore and organized the evening section of Travel Startups Asia Forum Networking at Quaint Bangkok, Thailand.</p> <p>MIST 2020 planned for Q4 2020, may be postponed until 2021 due to COVID-19.</p>			

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Technical assistance projects in RIF 2022 continued

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3	Mekong Business Initiative	Cambodia, Lao PDR, Myanmar, Viet Nam	<p>Helped Pacific Asia Travel Association (PATA) to setup the COVID-19 Crisis Resource Center (CRC) - a public resource aiding in the rapid, robust, and responsible renewal of the Asia Pacific Travel and Tourism Industry (crc.pata.org).</p> <p>Provided grant TA support to TakeMeTour (TMT) that won the 2018 MIST program. Pilot funds helped TMT to expand their operations from Thailand into Cambodia. During COVID-19, ADB partnered with TAT to help TMT launch LocalFarm to support tourism workers that lost income during COVID. Local Farm helps farmers who had relied on tourism for their income to market seasonal fruit and vegetables directly to consumers.</p>	2015		12.5 (estimated funding of about 0.2 for CRC and TMT)	ADB—1.0 DFAT (Australia)—11.5		<p>Completed in June 2020 but proposed for inclusion in RIF</p> <p>CRC and Local Farm launched in June 2020.</p> <p>Completion report being prepared.</p>		<p>Numbers of active visitors and users of CRC</p> <p>Number of tourism workers earning additional income through TMT and Local Farm platforms</p>	Mr. Dominic Mellor, PSOD/ ADB dmellor@adb.org.
4	Experience Mekong Digital Marketing Initiative	All GMS countries	<p>Improve the functionality and usability of the www.mekongtourism.org website, e-library. Mekong Tourism Contributor Program, e-newsletter, and social media.</p> <p>Dedicated MekongTourismForum.org website, customized yearly for respective annual forums.</p> <p>Public-private tourism marketing programs, executed by Destination Mekong, including “Mekong Moments”, Mekong Mini Movies campaign, “Experience Mekong Collection & Showcases,” and Mekong Trends snapshot reports.</p>	2015	3.0	3.0	Governments of the GMS countries, ODA	Governments of the GMS countries, ODA	<p>Ongoing. GMS counterpart contribution: \$0.09 million/year) Mekong Tourism. org website has seen increased traffic, number of articles posted and documents uploaded to e-library, and Tourism Storytellers in Contributor program.</p>		<p>Engagement with the travel and tourism industry active in the GMS.</p> <p>Increased promotion of the GMS as an experiential tourism destination.</p>	Mr. Jens Thraenhart, MTCO jens@tourismmekong.org

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Technical assistance projects in RIF 2022 continued

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			<p>The 2020 Experience Mekong Showcases are selected via public voting to increase program brand awareness and member business exposure. More than 6,000 votes were received, selecting 6 showcases from 18 finalists, initially from 60 shortlisted businesses.</p> <p>The Mekong Heroes program was launched in 2020 to recognize individuals that were instrumental in promoting responsible GMS tourism development and innovation. In subsequent years, 3 Mekong Heroes will be recognized. https://www.mekongtourism.org/experience-mekong/mekong-heroes/</p> <p>In partnership with Mekong Institute, the Mekong Coronavirus Innovations webpage has been created to curate initiatives and projects that respond to COVID-19. https://www.destinationmekong.com/projects/mekong-coronavirus-innovations/ Mekong Memories campaign launch in August 2020 is to keep GMS travel experiences on top of mind of global and regional consumers. The Mekong Deals platform launch in August 2020 is to assist businesses sell vouchers that can generate revenues and help them survive during this COVID-19 crisis. Both platforms are connected so that storytelling can drive engagement and sales.</p> <p>The Mekong Tourism Advisory Group (MeTAG) was established with over 80 travel professionals. 10 MeTAG meetings were organized to inform the industry about GMS policy updates,</p>					<p>Mekong Moments features experience websites by businesses and shared photos and videos tagged with #mekongmoments. Mini movies shared for Mekong Mini Movies campaign with total reach of over 6 million. Total video views: over 1,000,000.</p> <p>Small responsible travel businesses in Experience Mekong Collection (www.ExperienceMekong.com). Mekong Trends Snapshot Report on GMS Aviation published end of 2017, and Snapshot Report on Responsible Tourism due to be published in 2021</p> <p>The Experience Mekong Collection currently has more than 350 member businesses with at least 50% actively engaged in the program. A webpage was created to help struggling businesses sell vouchers</p>	(3) Drive public-private partnership models to execute programs and initiatives.			

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Technical assistance projects in RIF 2022 continued

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			as well as strategic roundtables with experts. An online members community was created to facilitate engagement. https://www.mekongtourism.org/mekong-tourism-advisory-group/ The Virtual Destination Mekong Summit held in August 2020, featuring more than 40 speakers. https://www.destinationmekong.com/dms2020/						and receive donations during COVID-19. Successful Experience Mekong Collection webinars were established to tell the stories of small businesses (during COVID19).			
5	Strengthening Coordination of GMS Tourism Product Development and Promotion	All GMS countries	The TA will strengthen the capacity of the Mekong Tourism Coordinating Office to coordinate multi-country experience development, marketing, and delivery of knowledge services.	2017	0.5	0.5	Governments of the GMS countries, ODA	Governments of the GMS countries, ODA	<p>Ongoing—with GMS counterpart contributions (\$0.09 million/yr). Meetings organized to discuss key thematic multi-country routes.</p> <p>MekongTourism.org features multi-country routes and plots the 11 multi-country routes as defined in GMS Tourism Sector Strategy on Google Map.</p> <p>Sponsored by Thailand (TAT), Mekong Moments promotes eight (8) multi-country routes including Thailand, powered by social commerce technology, featuring experiences in these geo-fenced areas, plus</p>	SEC, EWEC	<p>Continuous communication between public and private sectors of the member countries to develop and promote routes as tourism products</p> <p>Provide awareness to tourism industry of multi-country and thematic routes</p> <p>Support promotion and private sector engagement, as well as sharing of experiences</p>	Mr. Jens Thraenhart, MTCO jens@tourismmekong.org

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Technical assistance projects in RIF 2022 continued

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									<p>Thai Royal Mekong Mini Movie Festival campaign (MekongMinis.com) generated over 1 million video views and a media reach of over 22 million via 300 eligible shared videos, inspiring travelers all over the world. Now in its second year, results are expected to be even higher in terms of quantity and quality.</p> <p>Experience Mekong Collection (ExperienceMekong.org) curated over 300 small responsible travel businesses and social enterprises, promoting inclusive growth, secondary destinations, and sustainable tourism. Now in its 3rd year, in 2020 the Experience Mekong Collection Showcases will feature six responsible travel businesses, in partnership with Mahidol University (Thailand). Projects.</p>	<p>on social media on these multi-country routes, aggregated to MekongMoments.com via hashtags.</p> <p>Development of country specific food platforms, starting with Taste Thailand (sponsored by the Tourism Authority of Thailand) and Taste Cambodia (sponsored by the Ministry of Tourism Cambodia), integrated in a new regional food tourism portal (Taste Mekong), integrating food experiences from street vendors, cooking classes, to celebrity chefs.</p>		

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Technical assistance projects in RIF 2022 continued

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									<p>In 2019, TAT invited 10 bloggers/ media influencers from long-haul market, e.g., Europe, the Americas and Africa to attend our project the “Southern Tourism Corridor (STC) Blogger FAM Trip on Gastronomy Tourism” during 19 – 26 August, 2019. This project aimed to explore Gastronomy Tourism along the Southern coastal tourism corridor connecting Chanthaburi and Rayong of Thailand to Kam-pot in the Kingdom of Cambodia and Phu Quoc in the Socialist Republic of Viet Nam, respectively.</p>	<p>The Mekong Trends Report on Sustainable Tourism in the GMS is scheduled to be published by the end of 2019, in partnership with the Tourism Authority of Thailand. First phase of collaborative destination campaign platform Inspiring Laos.com launched.</p> <p>The portal integrates travel businesses regardless of size and type, syndicated into other relevant destination portals to drive exposure and for experiences and destinations.</p>		

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Technical assistance projects in RIF 2022 continued

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					Second Progress Report (2019)	2020 Updates (if any)	Second Progress Report (2019)	2020 Updates (if any)				
											Further training and workshops are planned to increase engagement with private sector.	
6	Mekong Inclusive Growth and Innovation Program	Cambodia, Lao PDR	The project is strengthening responsible tourism development and management capacity, as well as business support services, to increase income and job opportunities in southern Lao PDR and southern Cambodia.	2017	3.0	3.0	ODA, Swiss contact	ODA, Swiss contact	Ongoing Lao PDR: technical assistance to local marketing task force to promote Southern Laos tourism (www.southern-laos.com); experiential tourism products strengthened/ developed; 57 private sector managed refill stations under 'Refill not Landfill' plastic reduction initiative; 190 tourism SMEs improve performance in the destination. Measures being taken to support SMEs resilience due to impact of COVID-19 include business mentoring, product development, and marketing to new customer segments. Project closing in 2020.	SEC	Lao PDR: improved tourism SMEs performance in Champasak Province; tour guides trained; visitor flows strengthened in coffee tourism, cycling, river experiences, and nature-based tourism; improved destination management and marketing. Cambodia: staff of hospitality	Mr. Richard Rose, Country Director, Swisscontact Lao PDR Richard.rose@swisscontact.org Mr. Rajiv Pradhan, Country Director, Swisscontact Cambodia Rajiv.pradhan@swisscontact.org

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Technical assistance projects in RIF 2022 continued

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					Second Progress Report (2019)	2020 Updates (if any)	Second Progress Report (2019)	2020 Updates (if any)				
									<p>Cambodia: in-service training program supports hospitality SMEs, skills training is being expanded to Kratie, Strung Treng, Preah Vihear, Mondulkiri and Ratanakiri under the Skills Development Program (SDP); experiential tourism products developed in culture and cuisine, and heritage visitor flows; Tourism Industry Marketing Working Group (TIMWG) (in process of renaming it to Tourism Working Group) established to support destination management and marketing. Sub-committees formed with private sector participation. Skills training has expanded to Sihanoukville City; Ministry of Tourism under SDP has agreed to institutionalize HoKa steering committee in the Ministry. Technical and secretariat assistance to TWG. Project closing in 2020</p>		SMEs training in improved service; SMEs improve performance in Kampot province; improved destination marketing and management. New products are being developed under TIMWG.	

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Technical assistance projects in RIF 2022 continued

No.	Project Title	Country Coverage	Description	Year of Approval	Cost Estimate (\$ million)		Potential Funding Source and Amount (\$ million)		Status Updates	Key Locations and GMS Economic Corridor Alignment	Expected/Planned Measurable Outputs	Project Contact
					Second Progress Report (2019)	2020 Updates (if any)	Second Progress Report (2019)	2020 Updates (if any)				
7	Improve Subregional Tourism Data Collection and Analysis	All GMS countries	The project will harmonize methodologies for collecting tourism statistics and produce an annual GMS tourism statistics report. It will also include the establishment of a GMS tourism big data center in the PRC.	2017	6.0	6.0	Governments of the GMS countries, ODA	Governments of the GMS countries, ODA	Ongoing. Regular workshops are held to discuss issues and approaches towards facilitating harmonization of data collection and reporting aligned with ASEAN's tourism statistics standardized methodology for data collection, reporting and monitoring.			Mr. Sok Sokun, Ministry of Tourism, Cambodia ssokun@gmail.com Mr. Jens Thraenhart, Mekong Tourism Coordinating Office (MTCO) jens@tourismmekong.org
8	Preparation of the ADB Ventures Facility will support: (i) the 2020 Mekong Innovative Startup Tourism (MIST) Accelerator Program (aka Mekong Tourism Innovation), and (ii) 2020 Travel Lab Asia	DMCs in South-east Asia including all GMS countries	MIST identifies, pilots, and helps entrepreneurs and government scale innovative tourism solutions, both traditional and technology-based, that contribute to sustainable and inclusive tourism. Travel Lab Asia (TLA) is a platform for triple-bottom-line innovation in Asia's travel industry that helps corporates source technology solutions for their most pressing sustainability and environmental problems. Uniquely, TLA includes the potential for de-risked investment funding from ADB at the pilot, post-pilot, and adoption stages.	2018		5.0 (estimated funding of about 0.3 for MIST and TLA)		ADB—3.9 NDF—0.5 CTF—0.4 DFAT—0.2	Ongoing. MIST 2020 planned for Q4 2020, may be postponed to 2021 due to COVID-19. TLA is on-going in partnership with PATA, PlugNPlay, Hilton, Jetwing, and Minor Group.		MIST 2020 and TLA will contribute to: (i) commercial partnerships, (ii) pipeline of investable opportunities for impact technology companies, and (iii) visibility – social media shares	Mr. Dominic Mellor, PSOD/ADB dmellor@adb.org Mr. Jens Thraenhart, MTCO jens@tourismmekong.org

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Technical assistance projects in RIF 2022 continued

No.	Project Title	Country Coverage	Description	Year of Approval	Cost Estimate (\$ million)		Potential Funding Source and Amount (\$ million)		Status Updates	Key Locations and GMS Economic Corridor Alignment	Expected/Planned Measurable Outputs	Project Contact
					Second Progress Report (2019)	2020 Updates (if any)	Second Progress Report (2019)	2020 Updates (if any)				
9	Tourism Product Development for Lao–Thai Heritage Quadrangle	Lao PDR, Thailand	The project will develop experiences linked to Lanexang and Lanna heritage resources.	2018	0.5	0.5	Governments of the Lao PDR and Thailand, ODA	Governments of the Lao PDR and Thailand, ODA	Ongoing. The Lane Xang Cultural Quadrangle initiative is promoting cross-border travel and tourism by developing experiences linked to shared heritage resources. It is partially financed by ADB loan proceeds, and Thailand's Designated Areas for Sustainable Tourism Administration (DASTA). Joint activities include promotion of public-private sector cooperation through workshops and meetings, joint surveys of heritage resources and potential travel routes and circuits, publication of a Lane Xang Culture Routes map, promotional events and familiarization trips for tour operators and media from Lao PDR, Thailand and Myanmar	NSEC	Joint activities to develop and promote the Lao–Thai Heritage Quadrangle (10 activities) Lane Xang Culture Routes map published (20,000 copies) Familiarization trips for tour operators and media organized (2 trips)	Lao PDR: Ministry of Information, Culture and Tourism (MICT). Thailand: Designated Areas for Sustainable Tourism Administration (DASTA).
10	Third GMS Tourism Infrastructure for Inclusive Growth Project	Select GMS countries	The project will improve transport infrastructure and environmental services in secondary GMS corridor towns to boost tourism growth and service-sector investment.	2020	1.0	1.0	ADB—1.0	ADB—1.0	Proposed			Mr. Steven Schipani, SERD/ADB sschipani@adb.org

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Technical assistance projects in RIF 2022 continued

No.	Project Title	Country Coverage	Description	Year of Approval	Cost Estimate (\$ million)		Potential Funding Source and Amount (\$ million)		Status Updates	Key Locations and GMS Economic Corridor Alignment	Expected/Planned Measurable Outputs	Project Contact
					Second Progress Report (2019)	2020 Updates (if any)	Second Progress Report (2019)	2020 Updates (if any)				
11	Preparing the Tourism Infrastructure Development in the Green Triangle Development Area	Cambodia, Lao PDR, Viet Nam	The TA will support the preparation of a project to develop tourism-related infrastructure within the framework of the Green Triangle Development Plan. In northeastern Cambodia, for instance, the project will cover tourism-related infrastructure (including the airport in Ratanakiri Province), vocational training school, and small-scale community-based tourism.	To be determined (TBD)	1.0	1.0	Governments of Cambodia, Lao PDR, and Viet Nam, ODA	Governments of Cambodia, Lao PDR, and Viet Nam, ODA	Proposed			Mr. Jens Thraenhardt, MTCO jens@tourismmekong.org
12	Preparing the Tourism Infrastructure Development in the Emerald Triangle Development Area	Cambodia, Lao PDR, Thailand	The TA will support the preparation of a project to develop tourism-related infrastructure within the framework of the Emerald Triangle Development Plan.	TBD	1.0	1.0	Governments of Cambodia, Lao PDR, and Viet Nam, ODA	Governments of Cambodia, Lao PDR, and Viet Nam, ODA	Proposed			Mr. Jens Thraenhardt, MTCO jens@tourismmekong.org
13	Capacity Building for Sustainable Destination Management	All GMS countries	The project will strengthen the capacity of public officials to develop and manage tourism destinations sustainably. Initiatives will include regional planning, policy development, service delivery, ecotourism management, and thematic interpretation.	TBD	12.0	12.0	Governments of the GMS countries, ODA	Governments of the GMS countries, ODA	Proposed			Mr. Jens Thraenhardt, MTCO jens@tourismmekong.org
14	Development Triangle Tourism Development Plan	Cambodia, Lao PDR, Viet Nam	The project will prepare a plan to promote the natural and cultural values of the area, enhance visitor experiences and services, and support local communities.	TBD	1.0	1.0	Governments of Cambodia, Lao PDR, and Viet Nam, ODA	Governments of Cambodia, Lao PDR, and Viet Nam, ODA	Proposed			Mr. Jens Thraenhardt, MTCO jens@tourismmekong.org
15	Integrated Destination Planning and Management Support Program	All GMS countries	The project will develop integrated destination-management plans to boost local economic development and strengthen cultural, natural, and urban heritage management.	TBD	20.0	20.0	Governments of the GMS countries, ODA	Governments of the GMS countries, ODA	Proposed			Mr. Jens Thraenhardt, MTCO jens@tourismmekong.org

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Technical assistance projects in RIF 2022 continued

No.	Project Title	Country Coverage	Description	Year of Approval	Cost Estimate (\$ million)		Potential Funding Source and Amount (\$ million)		Status Updates	Key Locations and GMS Economic Corridor Alignment	Expected/Planned Measurable Outputs	Project Contact
					Second Progress Report (2019)	2020 Updates (if any)	Second Progress Report (2019)	2020 Updates (if any)				
16	Formulation of Travel Guidelines along the Main GMS Corridors	All GMS countries	The project will gather inventory data on travel formalities and border gates along the main GMS corridors to develop tourist travel guidelines that will help enhance visitors' experiences and improve service quality.	TBD	0.2	0.2	Governments of the GMS countries, ODA	Governments of the GMS countries, ODA	Proposed			Mr. Jens Thraenhardt, MTCO jens@tourismmekong.org
17	Common Tourism Standards Implementation Program	All GMS countries	The project will strengthen and expand the implementation of common ASEAN tourism standards and the PRC's scenic area rating system.	TBD	12.0	12.0	Governments of the GMS countries, ODA	Governments of the GMS countries, ODA	Proposed			Mr. Jens Thraenhardt, MTCO jens@tourismmekong.org
18	Child-Safe Tourism Program and GMS Conference on Preventing Child Sex Tourism	All GMS countries	The project will strengthen information, education, and communication activities to equip governments, tourism enterprises, and communities with the knowledge and skills needed to make tourism safe for children.	TBD	3.0	3.0	Governments of the GMS countries, ODA	Governments of the GMS countries, ODA	Proposed			Mr. Jens Thraenhardt, MTCO jens@tourismmekong.org
19	Climate Resilience and Green Growth Planning Program	All GMS countries	The project will develop green growth strategies to promote climate-resilient, lower-carbon, and socially inclusive tourism.	TBD	12.0	12.0	Governments of the GMS countries, ODA	Governments of the GMS countries, ODA	Proposed			Mr. Jens Thraenhardt, MTCO jens@tourismmekong.org
20	Monitoring GMS Visitor Satisfaction	All GMS countries	The project will develop and implement a GMS visitor satisfaction index to track multiple dimensions of the visitor experience, including attractions, hotels, immigration procedures, restaurants, retail shops, and transportation services.	TBD	1.0	1.0	Governments of the GMS countries, ODA	Governments of the GMS countries, ODA	Proposed			Mr. Jens Thraenhardt, MTCO jens@tourismmekong.org
Subtotal (Tourism TA Projects)					79.9	80.1						
Subtotal (Tourism Investment & TA Projects)					1,515.0	1,595.5						

Transport and Trade Facilitation

Investment Projects

No.	Project Title	Country Coverage	Description	Year of Approval	Cost Estimate (\$ million)		Potential Funding Source and Amount (\$ million)		Status Updates	Key Locations and GMS Economic Corridor Alignment	Expected/Planned Measurable Outputs	Project Contact
					Second Progress Report (2019)	2020 Updates (if any)	Second Progress Report (2019)	2020 Updates (if any)				
1	Improved SPS Handling in GMS Trade Project (additional financing)	Lao PDR	The project is a follow-up to the first phase of the Greater Mekong Subregion (GMS) Sanitary and Phytosanitary (SPS) Project for Cambodia and the Lao People's Democratic Republic (Lao PDR). It will aim to continue building an effective SPS system by introducing information technology to SPS management for risk identification, risk sharing, procedural streamlining, and food safety development at the provincial level to facilitate trade and protect health. There were ongoing complementary efforts in Viet Nam.	2017	10.3	10.3	Asian Development Bank (ADB)—10.0 Government of the Lao PDR—0.3	Asian Development Bank (ADB)—10.0 Government of the Lao PDR—0.3	<p>Ongoing Effectivity Date: 5 January 2018. As of 30 June 2020, physical progress was 78%; project performance rating was on-track. Consultants' mobilization completed.</p> <p>Plant Health: Plant protection center continues conducting survey to update pest lists, and preparation for market access agreements for 22 priority crops, collecting plant product samples tested for pesticide residues, conducted surveillance for pest interception to establish of regulated pest/quarantine pest in 24 locations of 12 provinces (at border checkpoints and production sites); Animal health: training on TAD surveillance conducted for staff from 3 target provinces and action plan for collection of samples developed;</p>	Nationwide in Lao PDR NSEC	Scale up activities in 3 main outputs: (i) surveillance and inspection for plant health, animal health, and food safety; (ii) enhanced education levels and university training of SPS specialists; and (iii) regional cooperation and harmonization for SPS measures and practices.	Lao PDR Ministry of Agriculture and Forestry, Department of Livestock and Fisheries

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Investment projects in RIF 2022 continued

No.	Project Title	Country Coverage	Description	Year of Approval	Cost Estimate (\$ million)		Potential Funding Source and Amount (\$ million)		Status Updates	Key Locations and GMS Economic Corridor Alignment	Expected/Planned Measurable Outputs	Project Contact
					Second Progress Report (2019)	2020 Updates (if any)	Second Progress Report (2019)	2020 Updates (if any)				
									(iii) Food safety: Food safety activities are being rolled out in 3 new target provinces			
2	Innovative Trade Promotion Myanmar (formerly Enhancing Capacity of Sanitary and Phytosanitary (SPS) Arrangement to Facilitate Trade in Myanmar)	Myanmar	<p>The project contributes to enhancing regional trade integration by boosting Myanmar's export capabilities through both policy and financial support during Myanmar Trade Promotion Fund (MTPF) implementation. MTPF is aligned with the Myanmar's National Export Strategy 2020-2025, which aims to capitalize on trade opportunities through agro-products in priority sectors, which in the long term will evolve to reflect the improvement of Myanmar's economic complexity and increase Myanmar economic integration. MTPF provides an innovative funding scheme for exporters whereby USD-dominated loans with longer maturity and competitive interest rates are available through which project cash flows projections are introduced and applied by PFIs in assessing viability and creditability of end borrowers - exporters. Being one of the less developed member in GMS and ASEAN, Myanmar through this support could catch up with neighboring countries and better positioned to bring mutual benefits to the subregional and regional integration.</p> <p>The project, of which the loan proceeds will be used to capitalize the Myanmar Trade Promotion Fund</p>	2021	76.0	65.0	ADB—75.0 Government of Myanmar—1.0 (in kind, TBC) Cofinancing—TBC	ADB—65.0 Government of Myanmar—(in kind, TBC) Cofinancing—TBC	Proposed			Vivek Rao Principal Financial Sector Specialist, Public Management, Financial Sector and Trade Division, Southeast Asia Department, ADB Daw Naw Mutakapaw, Director General, Myanmar Trade Promotion Organization, Ministry of Commerce, Ph: +95 67 408601 Fax: +95 67 408626 Email: mutakapaw@myantrade.gov.mm, Office No.3, Ministry of Commerce, Nay Pyi Taw

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Investment projects in RIF 2022 continued

No.	Project Title	Country Coverage	Description	Year of Approval	Cost Estimate (\$ million)		Potential Funding Source and Amount (\$ million)		Status Updates	Key Locations and GMS Economic Corridor Alignment	Expected/Planned Measurable Outputs	Project Contact
					Second Progress Report (2019)	2020 Updates (if any)	Second Progress Report (2019)	2020 Updates (if any)				
			(MTPF) is to support the operationalization of the MTPF and aligned with the impact of competitive, diversified and branded products developed by expanding productive capacities and fostering innovation. Its outcome is trade competitiveness of Myanmar products enhanced through better access to finance by trade-related businesses to upgrade capacity, including to produce higher quality and higher value products to gain better									
Subtotal (Transport and Trade Facilitation Investment Projects)					106.3	75.3						

Technical Assistance Projects

No.	Project Title	Country Coverage	Description	Year of Approval	Cost Estimate (\$ million)		Potential Funding Source and Amount (\$ million)		Status Updates	Key Locations and GMS Economic Corridor Alignment	Expected/Planned Measurable Outputs	Project Contact
					Second Progress Report (2019)	2020 Updates (if any)	Second Progress Report (2019)	2020 Updates (if any)				
1	Trade Facilitation through Partnership with the Private Sector	Cambodia, Lao PDR, Myanmar, Thailand, Viet Nam	The outcome of this regional policy and advisory technical assistance (TA) will be improved trade facilitation through the simplification, standardization, and harmonization of customs procedures and operations in the participating countries.	2014	1.5	1.5	ADB Japan Fund for Poverty Reduction (JFPR)—1.5	ADB Japan Fund for Poverty Reduction (JFPR)—1.5	Completed closed on 31 Aug 2017		The TA had two outputs: (i) trade facilitation constraints and solutions identified via surveys of the trade-related private sector; and (ii) capacities and procedures of customs administrations improved to enable more effective partnership and engagement with the trade-related private sector.	Nguyen Ba Hung, Trade Specialist, Public Management, Financial Sector and Trade Division, Southeast Asia Department, ADB

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Technical assistance projects in RIF 2022 continued

No.	Project Title	Country Coverage	Description	Year of Approval	Cost Estimate (\$ million)		Potential Funding Source and Amount (\$ million)		Status Updates	Key Locations and GMS Economic Corridor Alignment	Expected/Planned Measurable Outputs	Project Contact
					Second Progress Report (2019)	2020 Updates (if any)	Second Progress Report (2019)	2020 Updates (if any)				
2	Support for Implementing the Action Plan on Transport and Trade Facilitation in the GMS (Subproject 2)	All GMS countries	<p>The cluster regional policy advisory TA supports the implementation of the GMS Trade and Transport Facilitation Action Plan, which was endorsed by the 16th GMS Ministerial Conference, in August 2010 in Ha Noi.</p> <p>The TA is being implemented through a cluster approach, with Subproject 1 (\$2 million) implemented from 2011 to 2013, and Subproject 2 (\$3.7 million) from 2014 to 2017. The cluster approach was adopted to (i) acquire the flexibility needed for successful TTF outcomes, and (ii) allow a fine-tuning of activities based on the outcomes of previous efforts and the evolving context of TTF initiatives, as the GMS countries implement the ASEAN Economic Community Blueprint.</p>	2014	3.7	3.7	Department of Foreign Affairs and Trade (Australia) — 3.7	Department of Foreign Affairs and Trade (Australia) — 3.7	Completed closed on 30 June 2019		The TA has the following expected outputs under three components: (i) under transport facilitation, an exchange of traffic rights; (ii) under trade facilitation, coordinated border management, an enhanced SPS regime, (c) strengthened national and subregional transport and trade facilitation (TTF) institutions, and (d) a regional trade logistics strategy; (iii) under capacity building and regulatory reform: (a) capacity development, and (b) legal and regulatory improvements and harmonization.	Kanya Sasradi-poera ADB

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Technical assistance projects in RIF 2022 continued

No.	Project Title	Country Coverage	Description	Year of Approval	Cost Estimate (\$ million)		Potential Funding Source and Amount (\$ million)		Status Updates	Key Locations and GMS Economic Corridor Alignment	Expected/Planned Measurable Outputs	Project Contact
					Second Progress Report (2019)	2020 Updates (if any)	Second Progress Report (2019)	2020 Updates (if any)				
3	Commodity Fairs in GMS Countries	Selected GMS countries	The annual commodity fairs in GMS countries are important platforms for strengthening GMS trade cooperation. The fairs are held in GMS countries on an alternate basis. The project aims to support the booth rentals for the exhibitors. Commodity trade fairs are supported by the Yunnan provincial government and the Japan International Cooperation Agency (JICA).	2014	5.0	5.0	PRC (Yunnan), JICA	PRC (Yunnan), JICA	Ongoing			
4	ASEAN Economic Community Support Program, Technical Assistance	Cambodia Lao PDR Indonesia Malaysia Myanmar Philippines Thailand Viet Nam	The AEC Support Program Facility will assist countries in formulating and implementing national reform programs designed to meet their AEC commitments. This TA will help prepare the AEC Support Program for Cambodia and Lao PDR, among others.	2016	5.0	7.9	ADB—5.0	ADB—5.0 DFAT (Australia)— \$2.9M from DFAT (as of 22 July 2020, management approval is ongoing)	Ongoing Country coverage was expanded to 8 ASEAN Countries which includes Cambodia and Lao PDR Components of this TA were also expanded to cover: (i) Support for the PHI Competition Commission and other regional activities; Support for the PHI PPP Center, (iii) Support for the PHI Enterprise-Led Learning Network; (iv) Support for INO SDGs, and (v) Innovative Financing	Cambodia Lao PDR Myanmar Thailand Viet Nam	Action plans and/or roadmaps to participate in the AEC prepared Capacity to implement the AEC Commitments in priority areas developed Monitoring and Evaluation of AEC implementation at the country level strengthened The outputs are restructured as follows: (i) support to achieve a	Benita Ainabe, Asian Development Bank

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Technical assistance projects in RIF 2022 continued

No.	Project Title	Country Coverage	Description	Year of Approval	Cost Estimate (\$ million)		Potential Funding Source and Amount (\$ million)		Status Updates	Key Locations and GMS Economic Corridor Alignment	Expected/Planned Measurable Outputs	Project Contact
					Second Progress Report (2019)	2020 Updates (if any)	Second Progress Report (2019)	2020 Updates (if any)				
											competitive, innovative, and dynamic ASEAN provided (characteristic 2 of B2025); and (ii) support to achieve a resilient, inclusive, people-oriented ASEAN provided (characteristic 4 of B2025).	
5	Advancing Time Release Study in South-east Asia (formerly Advancing Time Release Study in the Greater Mekong Subregion)	Cambodia, Lao PDR, Myanmar, BIMP-EAGA and IMT-GT subregions	The TA will assist the participating countries in undertaking specific customs reforms and modernization steps (based on data from a time release study) to support substantive trade-facilitation measures based on the associated investment project's action plan and will conduct a study of their checkpoints to improve their handling of bottlenecks.	2017	1.0	1.0	ADB—1.0	ADB—1.0	<p>Ongoing Time Release Studies (TRS) and related TF measures are being supported in Cambodia, Myanmar, Philippines and BIMP-EAGA</p> <p>CAM: The 2019 TRS report has been finalized. The virtual TRS Exit Conference is scheduled on 30 July 2020.</p> <p>The conduct of the feasibility study for cargo tracking system in CAM has been started. Due to the COVID-19</p>		<p>TRS recommendations implemented;</p> <p>New TRSs conducted;</p> <p>TRS implementation strategy strengthened</p>	Taro Sekiguchi ADB

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Technical assistance projects in RIF 2022 continued

No.	Project Title	Country Coverage	Description	Year of Approval	Cost Estimate (\$ million)		Potential Funding Source and Amount (\$ million)		Status Updates	Key Locations and GMS Economic Corridor Alignment	Expected/Planned Measurable Outputs	Project Contact
					Second Progress Report (2019)	2020 Updates (if any)	Second Progress Report (2019)	2020 Updates (if any)				
									<p>pandemic, the resource person's mission to Cambodia to conduct data collection is on hold.</p> <p>MYA: The 2019 TRS report is in the process of finalizing. ADB through TA9312 has proposed to make amendments to the report to be in line with the WCO TRS Guide.</p> <p>The TA's resource persons will help the implementation of WTO TFA and Authorized Economic Operator (AEO) Program. Preliminary review has been conducted by the resource persons.</p> <p>PHI: The 2019 TRS report has been finalized. ADB through TA9312 has proposed to make amendments to the report to be in line with the WCO TRS Guide.</p> <p>An AEO workshop has been held on 2 June 2020 to assist evaluating AEO</p>			

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Technical assistance projects in RIF 2022 continued

No.	Project Title	Country Coverage	Description	Year of Approval	Cost Estimate (\$ million)		Potential Funding Source and Amount (\$ million)		Status Updates	Key Locations and GMS Economic Corridor Alignment	Expected/Planned Measurable Outputs	Project Contact
					Second Progress Report (2019)	2020 Updates (if any)	Second Progress Report (2019)	2020 Updates (if any)				
									<p>applications. TA9312 engaged a WCO AEO expert as a resource person.</p> <p>BIMP-EAGA: ‘Special Virtual Clusters and Working Group Meetings’ to analyze sectoral impact of COVID-19 will be held.</p> <p>In advance preparation for this meeting, TA9312 has prepared a PPT presentation about the effects of COVID-19 in the trade and investment facilitation sector.</p>			
6	“Early Harvest” Implementation of the Cross-border Transport and Trade Facilitation in the Greater Mekong Subregion	All GMS Countries	This regional knowledge and support technical assistance (KSTA) will support the Greater Mekong Subregion’s (GMS) transport and trade facilitation initiatives, in particular the implementation of the GMS Cross-Border Transport Facilitation Agreement (CBTA or the Agreement) through: (i) implementation of the Memorandum of Understanding on the ‘Early Harvest’ Implementation of the CBTA (EH MOU) signed after the main CBTA; (ii) private sector support; and (iii) strengthening the institutional mechanisms in support of the CBTA.	2020		1.5	Asia Regional Trade and Connectivity Trust Fund – (UK Government/DFIT)—1.5	Proposed to be added in RIF 2022. ADB funding approval is expected by October 2020. May consider supporting the 2 proposed TA’s namely: (i) Strengthening Capacity Building for Logistics for Small and Medium Enterprises along GMS Corridors ; and (ii) Strengthening the Cooperation among Cambodia, Lao PDR, and Viet Nam in the Development Triangle Area.		The TA has three outputs: (i) implementation of the EH CBTA supported; (ii) capacity of the private sector to participate in transport services liberalization enhanced; and (iii) GMS CBTA institutional mechanisms strengthened.	Kanya Sasradipoera, ADB	

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Technical assistance projects in RIF 2022 continued

No.	Project Title	Country Coverage	Description	Year of Approval	Cost Estimate (\$ million)		Potential Funding Source and Amount (\$ million)		Status Updates	Key Locations and GMS Economic Corridor Alignment	Expected/Planned Measurable Outputs	Project Contact
					Second Progress Report (2019)	2020 Updates (if any)	Second Progress Report (2019)	2020 Updates (if any)				
Not applicable	Promote Lao PDR Products with Digital Technology System (for agriculture production)	Lao PDR	To develop 3 criteria such as: food/agriculture supply chains, food safety and agriculture trade modernization. The digital technology system is a modality key to achieve those fundamental elements to support agriculture industry.	2020	*Count and Cost estimate listed under ICT to avoid double counting	*Cost estimate and count of project is listed under ICT to avoid double counting.	ADB, IFAD, FAO	ADB, IFAD, FAO	Proposed by Lao PDR			Mr. Chanthaly Chansom-pheng Office of the GMS National Coordinator, Lao PDR chansom-pheng@yahoo.com
Subtotal (Transport and Trade Facilitation TA Projects)					19.7*	20.6						
Total (Transport and Trade Facilitation Investment and TA Projects)					126.0*	95.9						

* The amount includes cost of projects in RIF Second Update (2019) but deleted/dropped in RIF Third Update (2020).

Information and Communication Technology

Technical Assistance Projects

No.	Project Title	Country Coverage	Description	Year of Approval	Cost Estimate (\$ million)		Potential Funding Source and Amount (\$ million)		Status Updates	Key Locations and GMS Economic Corridor Alignment	Expected/Planned Measurable Outputs	Project Contact
					Second Progress Report (2019)	2020 Updates (if any)	Second Progress Report (2019)	2020 Updates (if any)				
1	Broadband Development Strategies and Implementation Programs of the GMS	All GMS countries	<p>Broadband is the cornerstone of national development. The United Nations defines its new broadband objective as “20 megabits per second (Mbps) access at \$20 per person by 2020.” The technical assistance (TA) project will make recommendations to GMS governments and enterprises concerning their participation in broadband development.</p> <p>To this end, the project will analyze each country’s national broadband development status, identify problems and development needs, establish GMS broadband development goals, and set major tasks and key construction projects.</p>	TBD	0.1	0.1	TBD	TBD	Proposed			
2	Workshops on E-Commerce Cooperation and Exchanges in GMS	All GMS countries	<p>The project involves a joint effort with related Chinese internet value-added enterprises (such as Alibaba) to conduct exchanges on e-commerce solutions and typical cases, with a view to implementing the MOU on the Joint Cooperation in Further Accelerating the Construction of the Information Superhighway and its Application in the GMS, promoting pilot programs involving electronic applications in cross-border and domestic projects of member countries, boosting e-commerce development in the GMS, and providing favorable conditions for those value-added enterprises to expand their presence in the GMS markets.</p>	TBD	0.1	1.0	TBD	TBD	Proposed			

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Technical assistance projects in RIF 2022 continued

No.	Project Title	Country Coverage	Description	Year of Approval	Cost Estimate (\$ million)		Potential Funding Source and Amount (\$ million)		Status Updates	Key Locations and GMS Economic Corridor Alignment	Expected/Planned Measurable Outputs	Project Contact
					Second Progress Report (2019)	2020 Updates (if any)	Second Progress Report (2019)	2020 Updates (if any)				
3	Cross-border International Interconnected Bandwidth Expansion Project	PRC, Lao PDR, Viet Nam	China Unicom signed a cooperation contract with Viettel, Vietnam Posts and Telecommunications Group (VNPT), FPT, HTC, and CMC, in Viet Nam; and Lao Telecom (LTC), Unitel, and ETL, in the Lao PDR, to extend the communication bandwidth across the border. The project will build a cable network encompassing Hong Kong, China, and the United States. An over 300-gigabyte bandwidth is expected to be available through 2018.	TBD	2.1	2.1	State-owned telecom operators (China Unicom, Viettel, and LTC)—2.1	State-owned telecom operators (China Unicom, Viettel, and LTC)—2.1	Proposed			
4	Workshop on international roaming for all operator/regulator in GMS countries	Lao PDR, Cambodia, Myanmar, Thailand, Viet Nam	International roaming has become a global service of interest not only to tourists, but to investors and businesses, as well. Therefore, the techniques of negotiating interconnections and international roaming charges will be discussed by experts in the proposed workshop, which would be open to operators and regulators from the GMS countries.	TBD	0.1	0.1	ODA	ODA	Proposed			
5	Training in Quality of Experience (QoE) in Voice/Data Services over Communication Network Monitoring	Cambodia, Lao PDR, Myanmar, Thailand, Viet Nam	<p>The quality of experience (QoE) associated with voice and data services is very important for measuring the efficiency of networks and the users' level of satisfaction. For this reason, it is important to have the capacity to monitor network performance and understand user perspectives.</p> <p>The project's outputs will include: training in technical skills given to relevant personnel in MOK countries, exchanges of ideas and experiences regarding the QoE with voice and data services, linkages between national and subregional strategies, and improved technical knowledge in the government and private sectors.</p>	TBD	0.1	0.1	ODA	ODA	Proposed			

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Technical assistance projects in RIF 2022 continued

No.	Project Title	Country Coverage	Description	Year of Approval	Cost Estimate (\$ million)		Potential Funding Source and Amount (\$ million)		Status Updates	Key Locations and GMS Economic Corridor Alignment	Expected/Planned Measurable Outputs	Project Contact
					Second Progress Report (2019)	2020 Updates (if any)	Second Progress Report (2019)	2020 Updates (if any)				
6	Promote Lao PDR Products with Digital Technology System (for agriculture production)	Lao PDR	To develop 3 criteria such as: food/agriculture supply chains, food safety and agriculture trade modernization. The digital technology system is a modality key to achieve those fundamental elements to support agriculture industry.	2020	1.0	1.0	ADB IFAD FAO	ADB IFAD FAO	Proposed by Lao PDR			Mr. Chanthaly Chansom-pheng Office of the GMS National Coordinator, Lao PDR Email: chansom-pheng@yahoo.com
7	Science and Technology Strategy for Enhancing Organic Food Industry	Lao PDR	Lao PDR is a landlocked country namely as the highest percentage of forest area, which is 92.1% of the total area including abundant environment resources that has potential in producing clean, safe, secure and sustainable agriculture products. However, Lao agriculture performance has lagged far behind potential due to limited productivity and increasing importance reliance.	2020	0.4	0.4	ADB	ADB	Proposed by Lao PDR			Mr. Chanthaly Chansom-pheng Office of the GMS National Coordinator, Lao PDR Email: chansom-pheng@yahoo.com
8	Feasibility Study on Science and Technology Park (STP)	Lao PDR	Technology transfer and innovation are the new drivers which the GMS Strategy framework 2012-2022 focus on the next half period to strengthen the competitiveness of SMEs in the GMS region, because the STP is the key of social-economic development plan. The STP aims to increase the wealth of communities by promoting the culture of innovation and the competitiveness of SMEs.	2020	0.35	0.35	ADB	ADB	Proposed by Lao PDR			Mr. Chanthaly Chansom-pheng Office of the GMS National Coordinator, Lao PDR chansom-pheng@yahoo.com
Subtotal (ICTTA Projects)					4.3	4.3						
Total (ICTTA Projects)					4.3	4.3						

Regional Investment Framework 2022: Third 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 Third Progress Report and Update represents updates to the RIF 2022 during the 2020 cycle (November 2019 to October 2020). It includes a revision to the RIF 2022 to a new total of 210 investment and technical assistance projects requiring a total of \$78.3 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 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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