



# Country Operations Business Plan

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September 2019

Bhutan  
2020–2022

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Asian Development Bank



## CURRENCY EQUIVALENTS

(as of 5 August 2019)

Currency unit	–	ngultrum (Nu)
Nu1.00	=	\$0.0143472023
\$1.00	=	Nu69.70000

## ABBREVIATIONS

ADB	–	Asian Development Bank
ADF	–	Asian Development Fund
COBP	–	country operations business plan
COL	–	concessional ordinary capital resources lending
DRR	–	disaster risk reduction
TA	–	technical assistance

## NOTE

In this report, “\$” refers to United States dollars

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## I. CONSISTENCY OF BUSINESS PLAN WITH COUNTRY PARTNERSHIP STRATEGY

1. The country operations business plan (COBP), 2020–2022 of the Asian Development Bank (ADB) for Bhutan is consistent with ADB's draft country partnership strategy, 2019–2023<sup>1</sup> for Bhutan, the Government's priority areas articulated in the Twelfth Five-Year Plan (2018–2023),<sup>2</sup> and operational priorities of ADB's Strategy 2030.<sup>3</sup> The COBP aligns with the three country partnership strategy pillars, which aim to (i) promote dynamic economic reforms, (ii) improve connectivity for better access to information and markets, and (iii) achieve greater inclusiveness through more equitable socioeconomic development. These pillars are aligned closely with the government's key priorities. The COBP adopts a focused and differentiated approach to a country that is small and landlocked, aiming to create quality jobs by fostering small and medium-sized enterprises and inclusive businesses.

## II. INDICATIVE RESOURCE PARAMETERS

2. Bhutan, a group A developing member country, is eligible for Asian Development Fund (ADF) grants and concessional ordinary capital resources lending (COL). The indicative ADF grant and COL resource allocation for commitment for 2020–2022 are \$232.56 million.<sup>4</sup> The final allocation will depend on available resources and the outcome of the country performance assessments. Cofinancing and funding from other sources, including the regional pool under concessional resources, will be explored. The 2018 debt distress classification of Bhutan was assessed to be at moderate risk of debt distress.

3. The proposed indicative pipeline of ADB lending and nonlending products for the 2020–2022 program reflects a balanced program of infrastructure investment projects and institutional reform programs to promote a resilient and diversified economy. The estimated total ADB financing for the proposed lending pipeline for 2020–2022 is \$502.00 million, which will be sourced from COL (from both performance-based country allocation and the disaster risk reduction (DRR) mechanism), ADF DRR grants, and ordinary capital resources and subregional COL.<sup>5</sup> The final amount of assistance will depend on availability of resources and project readiness. In addition, a \$3.00 million grant from the Japan Fund for Poverty Reduction is allocated for the Solar Photovoltaic Renewable Energy Pilot Project in 2020. To complement the sovereign operations, ADB will explore nonsovereign investments from its Private Sector Operations Department for bankable projects in agribusiness, finance, infrastructure, and tourism. Total ADB financing for the proposed nonlending pipeline for 2020–2022 is estimated at \$8.73 million, of which \$6.73 million will be allocated from the Technical Assistance Special Fund, and \$2.00 million will come from the Japan Fund for Poverty Reduction.

4. The country assistance results areas (Appendix 1) provide directions on the allocation of sector resources. Appendix 2 shows Bhutan's portfolio at a glance. The indicative pipeline of lending and nonlending products for 2020–2022 is in Appendix 3. The assistance program for 2019 is in Appendix 4. Appendix 5 lists indicative knowledge products that seek to respond to Bhutan's priority knowledge needs.

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<sup>1</sup> The new Bhutan country partnership strategy is expected to be considered by the Board in September 2019.

<sup>2</sup> The Twelfth Five-Year Plan (2018–2023) was endorsed by the government in December 2018. It will be implemented from November 2018 to October 2023, overlapping with the current government's 5-year term.

<sup>3</sup> ADB. 2018. *Strategy 2030—Achieving a Prosperous, Inclusive, Resilient, and Sustainable Asia and the Pacific*. Manila.

<sup>4</sup> This comprises (i) \$187.56 million in COL from performance-based allocation, (ii) \$30.00 million in COL from the disaster reduction risk (DRR) mechanism, and (iii) \$15.00 million in ADF DRR grants.

<sup>5</sup> Financing from regular ordinary capital resources is proposed for high-revenue-earning projects that generate net foreign exchange earning exceeding the foreign debt service requirement (ADB. 2014. *Performance-Based Allocation of Asian Development Fund Resources. Operation Manual*. OM A3/BP. Manila). Funding from DRR resources will support incremental costs in strengthening the disaster resilience of infrastructure investments.

## COUNTRY ASSISTANCE RESULTS AREAS

Key Outcomes that ADB Contributes to	ADB		
	Key Areas of Assistance	Indicative Resource Available for Commitment in 2020–2022 <sup>a</sup>	Changes from Last COBP (Not Applicable)
<b>1. Energy</b>			
Energy security and the energy sector's contribution to revenue, economic growth, employment, and climate change mitigation increased	Increased cross-border power trade and domestic electricity access  Hydropower production and transmission	Amount COL: \$95.00 million ADF grant: \$5.00 million Regular OCR: \$145.00 million <sup>b</sup>  Share of COBP envelope: 48.8%	Not applicable.
<b>2. Transport</b>			
Improved transport connectivity with climate resilience and disaster preparedness	Road and air transport  Multimodal logistics for border services improvement	Amount COL: \$52.00 million ADF grant: \$5.00 million  Share of COBP envelope: 11.4%	Not applicable.
<b>3. Finance</b>			
Diversification of growth sources ensured and private sector development fostered	Increased access to finance by the private sector	Amount COL: \$50.00 million  Share of COBP envelope: 10.0%	Not applicable.
<b>4. Agriculture, Natural Resources, and Rural Development<sup>c</sup></b>			
Access to safe, flood-protected land increased  Irrigation modernized and climate-smart agriculture production promoted	Land-based natural resources management  Modern irrigation, and enhanced climate-smart agricultural production  Rural flood protection	Amount COL: \$50.00 million ADF grant: \$10.00 million  Share of COBP envelope: 12.0%	Not applicable.
<b>5. Water and Other Urban Infrastructure and Services</b>			
Quality of urban infrastructure and services improved through enhanced safety, reliability, and quality of urban services	Improved water conservation and water use efficiency  Urban water supply, sanitation, and flood management	Amount COL: \$60.00 million  Share of COBP envelope: 12.0%	Not applicable.
<b>6. Public Sector Management</b>			
Increased transparency and accountability in public sector enterprises and equal treatment for private enterprises	Reforms of public sector enterprises  More enabling support for public–private partnerships	Amount COL: \$30.00 million  Share of COBP envelope: 6.0%	Not applicable.

Key Outcomes that ADB Contributes to	ADB		
	Key Areas of Assistance	Indicative Resource Available for Commitment in 2020–2022 <sup>a</sup>	Changes from Last COBP (Not Applicable)
Stronger resource mobilization and private-sector-led growth			
Enhanced accountability and transparency in the public sector and proper use of public resources			

ADB = Asian Development Bank, ADF = Asian Development Fund, COBP = country operations business plan, COL = concessional OCR lending, DRR = disaster risk reduction, IRAC = Indicative Resources Available for Commitment; OCR = ordinary capital resources.

<sup>a</sup> The term “resources” covers \$242.28 million (\$187.00 million IRAC and \$54.71 million carried over from 2019) in COL (country allocation), \$145.00 million in regular OCR lending, \$30.00 million in COL from the regional pool, and \$60.00 million from the DRR financing mechanism (\$15.00 million ADF grants 2020-2022, \$5.00 million ADF grant carried over from 2019, and \$30.00 million COL 2020–2022 and 10.00 million carried over from 2019). The indicated figures presented in the table refer to allocations for firm projects only.

<sup>b</sup> ADB proposes regular OCR financing for high-revenue-earning projects that generate net foreign exchange earnings exceeding the foreign debt service.

<sup>c</sup> The Phuentsholing Township Development Project (Additional Financing) is classified under agriculture, natural resources, and rural development because the majority of project financing will support rural flood protection.

Source: ADB estimates.

**LIST OF LINKED DOCUMENTS**

<http://www.adb.org/Documents/COBP/?id=BHU-2020>

1. Portfolio at a Glance: Bhutan



## INDICATIVE ASSISTANCE PIPELINE

Table A3.1: Lending Products, 2020–2022

Project/Program Name <sup>a</sup>	Sector	Poverty Targeting	Operational Priority	Division	Year of TRTA/ PRF	Cost (\$ million)						
						Total	ADB		Gov't	Co-finance		
							Regular OCR <sup>b</sup>	COL			ADF Grants	Total
<b>2020 Firm</b>												
Rural Finance Sector Development Program	FIN	GI	OP1, OP2, OP6	SAPF	2019	24.00	0.00	20.00	0.00	20.00	4.00	0.00
Phuentsholing Township Development Project (Additional Financing)	ANR, WUS	TI-G	OP3, OP4	SAER	None	18.00	0.00	10.00	5.00	15.00	3.00	0.00
Affordable Housing Project (SDP)	WUS	GI	OP1, OP6	SAUW	None	36.00	0.00	30.00	0.00	30.00	6.00	0.00
<b>Total</b>						<b>78.00</b>	<b>0.00</b>	<b>60.00</b>	<b>5.00</b>	<b>65.00</b>	<b>13.00</b>	<b>0.00</b>
<b>2020 Standby</b>												
SASEC Green Power Investment Program (Tranche 1) <sup>c</sup>	ENE	GI	OP1, OP3, OP7	SAEN	2015	230.00	65.00	55.00	5.00	125.00	25.00	80.00
Financial Market Development Program, Subprogram 2 (PBL)	FIN	GI	OP1, OP6	BHRM/ SAPF	None	36.00	0.00	30.00	0.00	30.00	6.00	00.00
Integrated Irrigated Agriculture Development Project	ANR	GI	OP1, OP3, OP5	SAER	2020	36.00	0.00	25.00	5.00	30.00	6.00	0.00
<b>Total</b>						<b>302.00</b>	<b>65.00</b>	<b>110.00</b>	<b>10.00</b>	<b>185.00</b>	<b>37.00</b>	<b>80.00</b>
<b>2021 Firm</b>												
SASEC Green Power Investment Program (Tranche 1)	ENE	GI	OP1, OP3, OP7	SAEN	2015	230.00	65.00	55.00	5.00	125.00	25.00	80.00
Financial Market Development Program, Subprogram 2 (PBL)	FIN	GI	OP1, OP6	BHRM/ SAPF	None	36.00	0.00	30.00	0.00	30.00	6.00	0.00

Project/Program Name <sup>a</sup>	Sector	Poverty Targeting	Operational Priority	Division	Year of TRTA/ PRF	Cost (\$ million)					Gov't	Co-finance
						Total	ADB			Total		
							Regular OCR <sup>b</sup>	COL	ADF Grants			
SASEC Air Connectivity Project	TRA	GI	OP1, OP3, OP7	SATC	2020	44.40	0.00	37.00	0.00	37.00	7.40	0.00
Integrated Irrigated Agriculture Development Project	ANR	GI	OP1, OP3, OP5	SAER	2020	36.00	0.00	25.00	5.00	30.00	6.00	0.00
<b>Total</b>						<b>346.40</b>	<b>65.00</b>	<b>147.00</b>	<b>10.00</b>	<b>222.00</b>	<b>44.40</b>	<b>80.00</b>
<b>2021 Standby</b>												
SASEC Green Power Investment Program (Tranche 2)	ENE	GI	OP1, OP3, OP7	SAEN	2015	144.00	80.00	40.00	0.00	120.00	24.00	0.00
Private Sector Development Reform Program, Subprogram 1 (PBL)	PSM	GI	OP1, OP6	SAPF	2021	36.00	0.00	30.00	0.00	30.00	6.00	0.00
Road Connectivity Project	TRA	GI	OP1, OP5	SATC	2021	18.00	0.00	15.00	0.00	15.00	3.00	0.00
Farm Road Project	ANR	GI	OP1, OP5	SAER	2021	24.00	0.00	15.00	5.00	20.00	4.00	0.00
<b>Total</b>						<b>222.00</b>	<b>80.00</b>	<b>100.00</b>	<b>5.00</b>	<b>185.00</b>	<b>37.00</b>	<b>0.00</b>
<b>2022 Firm</b>												
SASEC Green Power Investment Program (Tranche 2) <sup>d</sup>	ENE	GI	OP1, OP3, OP7	SAEN	2015	144.00	80.00	40.00	0.00	120.00	24.00	0.00
Private Sector Development Reform Program, Subprogram 1 (PBL)	PSM	GI	OP1, OP6	SAPF	2021	36.00	0.00	30.00	0.00	30.00	6.00	0.00
Road Connectivity Project	TRA	GI	OP1, OP5	SATC	2021	18.00	0.00	15.00	0.00	15.00	3.00	0.00
Farm Road Project	ANR	GI	OP1, OP5	SAER	2021	24.00	0.00	15.00	5.00	20.00	4.00	0.00
Livable Cities Project	WUS	GI	OP4	SAUW		36.00	0.00	30.00	0.00	30.00	6.00	0.00
<b>Total</b>						<b>258.00</b>	<b>80.00</b>	<b>130.00</b>	<b>5.00</b>	<b>215.00</b>	<b>43.00</b>	<b>0.00</b>

Project/Program Name <sup>a</sup>	Sector	Poverty Targeting	Operational Priority	Division	Year of TRTA/ PRF	Cost (\$ million)					Gov't	Co-finance
						Total	ADB			Total		
							Regular OCR <sup>b</sup>	COL	ADF Grants			
<b>2022 Standby</b>												
SASEC Green Power Investment Program (Tranche 3)	ENE	GI	OP1, OP3, OP7	SAEN	2015	344.00	80.00	40.00	0.00	120.00	24.00	200.00
TVET Education Project	EDU	GI	OP1, OP2,	SAHS	2022	54.00	0.00	40.00	5.00	45.00	9.00	0.00
Regional Renewable Energy Project	ENE	GI	OP1, OP3	SAEN	tbd	36.00	0.00	30.00	0.00	30.00	6.00	0.00
Gelephu Township Development Project	WUS	GI	OP1, OP4	SAUW	2022	36.00	0.00	30.00	0.00	30.00	6.00	0.00
Health Sector Development Program II	HLT	GI	OP1, OP6	SAHS	tbd	24.00	0.00	20.00	0.00	20.00	4.00	0.00
<b>Total</b>						<b>494.00</b>	<b>80.00</b>	<b>160.00</b>	<b>5.00</b>	<b>245.00</b>	<b>49.00</b>	<b>200.00</b>

ADB = Asian Development Bank; ADF = Asian Development Fund; ANR = agriculture, natural resources, and rural development; BHRM = Bhutan Resident Mission; COL = concessional OCR lending; DRR = disaster risk reduction; Gov't = government; EDU = education; ENE = energy; FIN = finance; GI = general intervention; HLT = health; JFPR = Japan Fund for Poverty Reduction; OCR = ordinary capital resources; OP1 = addressing remaining poverty and reducing inequalities; OP2 = accelerating progress in gender equality; OP3 = tackling climate change, building climate and disaster resilience, and enhancing environmental sustainability; OP4 = making cities more livable; OP5 = promoting rural development and food security; OP6 = strengthening governance and institutional capacity; OP7 = fostering regional cooperation and integration; PBL = policy-based lending; PRF = project readiness financing; PSM = public sector management; SAEN = South Asia Energy Division; SAER = South Asia Environment, Natural Resources, and Agriculture Division; SAHS = South Asia Human and Social Development Division; SAPF = South Asia Public Management, Financial Sector, and Trade; SASEC = South Asia Subregional Economic Cooperation; SATC = South Asia Transport and Communications Division; SAUW = South Asia Urban Development and Water Division; SDP = sector development program; TBD = to be determined, TI-G = targeted intervention for geographic areas; TRA = transport; TRTA = transaction technical assistance; WUS = water supply and other urban infrastructure and services; TVET = technical and vocational education and training.

<sup>a</sup> Given the provisional nature of the indicative lending program, the composition of lending instruments in the actual loan delivery may change. The lending program includes ADF grants from disaster risk reduction mechanisms.

<sup>b</sup> ADB proposes regular OCR financing for high-revenue-earning projects that generate net foreign exchange earnings exceeding the foreign debt service.

<sup>c</sup> Project financing is proposed to be from COL PBA (\$45.00 million), COL DRR (10.00 million), and regular OCR (\$65.00 million). Cofinancing sources include the European Investment Bank, Japan International Cooperation Agency, and local and commercial financial institutions. Government (project sponsors) include Druk Green Power Corporation and other public and private sponsors in the project special-purpose company for the Nyera Amari hydropower plant's first stage.

<sup>d</sup> Project financing is proposed to be from COL PBA (\$10.00 million), COL DRR (\$10.00 million), COL RCI (\$20.00 million), and regular OCR (\$80.00 million). Government project sponsors include the Bhutan Power Corporation for the eastern grid strengthening.

Note: ADB included new JFPR grant (\$3.00 million) for Solar Photovoltaic Renewable Energy Pilot Project in 2020.

Source: ADB estimates.

Table A3.2: Nonlending Products and Services, 2020–2022

Assistance Name	Sector	Division	Assistance Type	Sources of Funding				Total (\$'000)
				ADB		Others		
				Source	Amount (\$'000)	Source	Amount (\$'000)	
<b>2020 firm</b>								
Integrated Irrigated Agriculture Development Project	ANR	SAER	TRTA	TASF	1,000		0	1,000
Strengthening Policy Formulation and Implementation	PSM	BHRM	KSTA	TASF	750		0	750
Improving Market Linkages for Cottage and Small Industry	IND, PSM	BHRM	TRTA	TASF	0	JFPR	2,000	2,000
Farm Road Asset Management	ANR	SAER	KSTA	TASF	750		0	750
<b>Total</b>					<b>2,500</b>		<b>2,000</b>	<b>4,500</b>
<b>2021 firm</b>								
Preparing Road Connectivity Project	TRA	SATC	TRTA	TASF	500		0	500
Preparing Farm Road Project	ANR	SAER	TRTA	TASF	500		0	500
Preparing Private Sector Development Reform Program	IND, PSM	SAPF	TRTA	TASF	225		0	225
SASEC Air Connectivity Project	TRA	SATC	TRTA	TASF	1,000		0	1,000
<b>Total</b>					<b>2,225</b>		<b>0</b>	<b>2,225</b>
<b>2022 firm</b>								
Preparing TVET Education Project	EDU	SAHS	TRTA	TASF	500		0	500
Road Network Project	TRA	SATC	TRTA	TASF	500		0	500
Private Sector Development Reform Program	IND, PSM	SAPF	TRTA	TASF	500		0	500
Preparing Gelephu Township Development Project	WUS	SAUW	TRTA	TASF	500		0	500
<b>Total</b>					<b>2,000</b>		<b>0</b>	<b>2,000</b>

ADB = Asian Development Bank; ANR = agriculture, natural resources, and rural development; BHRM = Bhutan Resident Mission; EDU = education; IND = industry and trade; JFPR = Japan Fund for Poverty Reduction; KSTA = knowledge and support technical assistance; PSM = public sector management; SAER = South Asia Environment, Natural Resources, and Agriculture Division; SAHS = South Asia Human and Social Development Division; SAPF = South Asia Public Management, Financial Sector, and Trade; SASEC = South Asia Subregional Economic Cooperation; SATC = South Asia Transport and Communications Division; SAUW = South Asia Urban Development and Water Division; TASF = Technical Assistance Special Fund; TRA = transport; TRTA = transaction technical assistance; TVET = technical and vocational education and training; WUS = water and other urban infrastructure and services.

Source: ADB estimates.

## ASSISTANCE PROGRAM FOR CURRENT YEAR

### Table A4.1: Lending Products, 2019

Project/Program Name <sup>a</sup>	Sector	Poverty Targeting	Priority Area	Division	Year of TRTA/ PRF	Cost (\$ million)							
						ADB					Gov't	Co-finance	
						Total	Regular OCR	COL	ADF Grants	Total			
<b>Firm</b>													
Financial Market Development Program, Subprogram 1 (PBL)	FIN	GI	OP1, OP6	BHRM	2019	36.00	0.00	30.00	0.00	30.00	6.00	0.00	
<b>Total</b>						<b>36.00</b>	<b>0.00</b>	<b>30.00</b>	<b>0.00</b>	<b>30.00</b>	<b>6.00</b>	<b>0.00</b>	

ADB = Asian Development Bank, ADF = Asian Development Fund, BHRM = Bhutan Resident Mission, COL = concessional OCR lending, FIN = finance, GI = general intervention, Gov't = government, OCR = ordinary capital resources, OP1 = addressing remaining poverty and reducing inequalities, OP6 = strengthening governance and institutional capacity; PBL = policy-based lending, PRF = project readiness financing, TRTA = transaction technical assistance.

<sup>a</sup> Given the provisional nature of the indicative lending program, the composition of lending instruments in the actual loan delivery may change.  
Source: ADB estimates.

**Table A4.2: Nonlending Products and Services, 2019**

Assistance Name	Sector	Division	Assistance Type	Sources of Funding		Total (\$'000)	
				ADB			Others
				Source	Amount (\$'000)		Amount (\$'000)
Aviation Sector Development Capacity Project	TRA	SATC	KSTA	TASF	2,000	0	2,000
Financial Market Development Program Subprogram 1	FIN	BHRM	TRTA	TASF	500	0	500
Rural Finance Sector Development Program	FIN	SATC	TRTA	TASF	225	0	225
<b>Total</b>					<b>2,725</b>	<b>0</b>	<b>2,725</b>

ADB = Asian Development Bank, BHRM = ADB Bhutan Resident Mission, FIN = finance, KSTA = knowledge and support technical assistance, SATC = South Asia Transport and Communications Division, TASF = Technical Assistance Special Fund, TRA = transport, TRTA = transaction technical assistance.  
Source: ADB estimates.

## INDICATIVE KNOWLEDGE PRODUCTS AND EVENTS

Table A5.1: Knowledge Products and Events for 2020

Title of Publication or Event	Subject	Type	Department or Sector Group or Thematic Group	Funding Source
<b>Publications</b>				
Land pooling in Bhutan	Urban development	Publication and documentation: working paper	SARD/ERCD	To be determined
Asian Development Bank and Bhutan: Fact Sheet 2019	ADB administration and governance	Publication and documentation: awareness-raising brochure	SARD	Administrative core budget (staff)
Asian Development Outlook 2020	Capacity development, economics, governance and public sector management	Publication and documentation: flagship study	ERCD	Administrative core budget (staff)
Key Indicators for Asia and the Pacific 2020	Capacity development, economics, governance and public sector management	Publication and documentation: flagship study	ERCD	Administrative core budget (staff); TA 9409
Asian Development Outlook 2020 Update	Capacity development, economics, governance and public sector management	Publication and documentation: flagship study	ERCD	Administrative core budget (staff)
Development Effectiveness Brief	Capacity development, economics, governance and public sector management	Publication and documentation: development effectiveness brief series	BHRM	Administrative core budget (staff)
Private sector development: policy advice and capacity building in designing and implementing PPP projects in Bhutan (pilot select projects and advisory series)	Capacity development, economics, governance and public sector management	Publication and documentation: awareness-raising brochure	BHRM	To be determined
<b>Events</b>				
Launch and Dissemination of the Asian Development Outlook 2020: Bhutan Chapter	Capacity development, economics, finance, industry and trade, regional cooperation and integration	Event organization: flagship event	BHRM	Administrative core budget (staff)
<b>Total number of publications = 7</b>				
<b>Total number of events = 1</b>				

ADB = Asian Development Bank, BHRM = Bhutan Resident Mission, ERCD = Economic Research and Regional Cooperation Department, PPP = public-private partnership, SARD = South Asia Department, TA = technical assistance.

Source: ADB Knowledge Nexus.

**Table A5.2: Additional Knowledge Products and Events Delivered in 2019**

<b>Title of Publication or Event</b>	<b>Subject<sup>a</sup></b>	<b>Type<sup>b</sup></b>	<b>Department or Sector Group or Thematic Group</b>	<b>Funding Source<sup>d</sup></b>
<b>Publications</b>				
2016 Purchasing Power Parity Update for Selected Economies in Asia and the Pacific	Capacity development, governance and public sector management	Publication and documentation: technical study	ERCD	TA 9238
2017 International Comparison Program in Asia and the Pacific: Summary Report	Capacity development, governance and public sector management	Publication and documentation: technical study	ERCD	TA 9238
Evolution of the Economies of Selected DMCs: A Study Based on Input-Output Economic Analysis Framework	Capacity development, economics, governance and public sector management	Publication and documentation: technical study	ERCD	TA 8838
Cross-Border Power Generation, Transmission, and Trading—A Way Forward for South Asia	Energy	Publication and documentation: working paper	SARD	RETA 7997
South Asia Climate Report	Capacity development	Publication and documentation: technical study	SARD	Technical Assistance
Financing Social Security in South Asia		Publication and documentation: SARD working paper	SARD	Administrative core budget (staff)
Climate Change Litigation Bench book	Capacity development, climate change, environment, regional cooperation and integration	Publication and documentation: technical study	OGC	Technical Assistance; TA 9279
South Asia Transport Report	Transport	Publication and documentation: technical study	SARD	To be determined
South Asia Transport Knowledge Product	Transport	Publication and documentation: technical study	SARD	To be determined
South Asia Environment Knowledge Product	Environment	Publication and documentation: technical study	SARD	To be determined
South Asia Environment Report	Environment	Publication and documentation: technical study	SARD	Technical Assistance



<b>Title of Publication or Event</b>	<b>Subject<sup>a</sup></b>	<b>Type<sup>b</sup></b>	<b>Department or Sector Group or Thematic Group</b>	<b>Funding Source<sup>d</sup></b>
South Asia Report	Regional cooperation and integration	Publication and documentation: technical study	SARD	Technical Assistance
The Economic Effects of Participating in Global Value Chains: Country and Sector Level Analysis	Capacity development, economics, governance and public sector management	Publication and documentation: technical study	ERCD	Technical Assistance 8779
South Asia Finance Working Paper	Capacity development	Publication and documentation: working paper	SARD	Technical Assistance
Accounting for Unpaid Care Work in Bhutan	Gender	Publication and documentation: working paper	ERCD/BHRM	Technical Assistance; TA 9660
Comparative Analysis and Best practices in Establishing Incubation Centers	Capacity development, economics, governance and public sector management	Discussion paper	BHRM	Administrative core budget (staff)
<b>Events</b>				
2020 ICP Inception and Regional Advisory Board Meeting	Capacity development	Capacity development event for DMCs	ERCD	TA 9238
Regional Technical Evaluation and Review Workshop: 2017 ICP Preliminary PPP Results and Preparations of Household Product List for the 2020 ICP	Capacity development	Capacity development event for DMCs	ERCD	TA 9238
2017 ICP Back-to Back Regional Advisory Board Meeting/ Regional Technical Evaluation and Review Workshop: 2017 ICP Preliminary PPP Results and Initial Discussions on Household Surveys for 2020 ICP	Capacity development	Capacity development event for DMCs	ERCD	TA 9238
Regional Advisory Board Meeting	Capacity development	Capacity development event for DMCs	ERCD	TA 9238
Country Training Workshop on Data Disaggregation Using Small Area Estimation Techniques and Big Data Analytics	Capacity development	Capacity development event for DMCs	ERCD	TA 9356
Regional Technical Evaluation and Review Workshop	Capacity development	Capacity development event for DMCs	ERCD	TA 9238

<b>Title of Publication or Event</b>	<b>Subject<sup>a</sup></b>	<b>Type<sup>b</sup></b>	<b>Department or Sector Group or Thematic Group</b>	<b>Funding Source<sup>d</sup></b>
Review of the 2nd Macroeconomic Surveillance Report and Training on Macroeconomic forecasting and nowcasting	Capacity development	Finance, regional cooperation and integration, capacity development	ERCD	Admin budget; TA 9077
National Training Workshop on Economic Analysis of Investment Projects (Bhutan)	Economics, capacity development	Event organization	ERCD	TA 9693
Regional/National Hub Training Workshop on Economic Analysis of Investment Projects (SARD) for DMC Officials	Economics, capacity development	Event organization	ERCD	TA 9693
Launch and dissemination of the ADO 2019	Economics	Publication and documentation: flagship study	BHRM	Administrative core budget (staff)
Launch and dissemination of Better Business Council report	Governance, public sector management, economics, and capacity development	Event organization	BHRM	Technical Assistance 8229
SARD Economist Forum, January 2019	Economics	Event attendance	SARD	Administrative core budget (staff)
SARD Economist Network, July 2019	Economics	Event attendance	SARD	Administrative core budget (staff)
<b>Total number of publications = 16</b>				
<b>Total number of events = 13</b>				

ADO = Asian Development Outlook, BHRM = Bhutan Resident Mission, ERCD = Economic Research and Regional Cooperation Department, DMC = developing member country, ICP = International Comparison Program, OGC = Office of the General Council, RETA = Regional technical assistance, SARD = South Asia Department, TA = technical assistance.

<sup>a</sup> Capacity development, economics, energy, environment, gender, governance and public sector management, transport.

<sup>b</sup> Publication and documentation, event organization, and training or capacity development.

Source: ADB Knowledge Nexus.

**Table A5.3: Innovation, Advanced Technology, and Pilot Initiatives to be Implemented in 2020**

<b>Item</b>	<b>Nature</b>	<b>Project Number</b>	<b>Sector or Theme</b>	<b>Division</b>
Use of solar renewable energy in poor households: Solar Photovoltaic Renewable Energy Pilot Project	TCH		ENE	SAEN
<b>Total number of innovation, advanced technology, and pilot initiatives = 1</b>				
ENE = energy; SAEN = South Asia Energy Division; TCH = advanced technology				
Source:				