



Country Operations Business Plan

June 2019

Mongolia
2020–2021

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Asian Development Bank

CURRENCY EQUIVALENTS

(as of 24 May 2019)

Currency unit	–	togrog (MNT)
MNT1.00	=	\$0.000378
\$1.00	=	MNT2,645.5

ABBREVIATIONS

ADB	–	Asian Development Bank
COBP	–	country operations business plan
COL	–	concessional OCR lending
CPS	--	country partnership strategy
OCR	–	ordinary capital resources
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), 2020–2021 is consistent with the strategic priorities of the country partnership strategy (CPS), 2017–2020 of the Asian Development Bank (ADB) for Mongolia.¹ In line with the Government Action Plan, 2016–2020² and ADB’s Strategy 2030,³ the overarching goal of the CPS is to help Mongolia sustain inclusive growth in a period of economic difficulty. Given that parliamentary elections will be held in June 2020, the current government has advised ADB to restrict the period of this COBP to 2 years, to avoid prejudging the priorities of the new government. The COBP is aligned with the three strategic pillars set out in the CPS: (i) promoting economic and social stability, (ii) developing infrastructure for economic diversification, and (iii) strengthening environmental sustainability. The COBP will support the crosscutting themes set out in the CPS—public sector management and gender equity. The COBP also recognizes strengthening of portfolio performance as a priority. The COBP, 2020–2021 is the fourth COBP under the CPS, 2017–2020.

2. The country knowledge plan presented in the CPS continues to guide the COBP. ADB’s knowledge operations will focus primarily on issues that relate to the three strategic pillars, as well as the crosscutting themes of public sector management and gender equity. The multidimensional nature of ADB’s strategic focus provides a rich context in which to deepen knowledge cooperation within Mongolia.

II. INDICATIVE RESOURCE PARAMETERS

3. Mongolia, a group B developing member country, is eligible for regular ordinary capital resources (OCR) lending and concessional OCR lending (COL). The indicative resources available during 2020–2021 for sovereign operations total \$845.94 million, comprising \$696.00 million for regular OCR lending, \$129.94 million for COL, and \$20.00 million for COL regional pool. The final allocation will depend on available resources and the outcome of the country performance assessments. Cofinancing and funding from other sources will be explored.

4. The COBP, 2020–2021 includes a firm lending pipeline for Mongolia totaling \$714.4 million, comprising \$120.9 million to be funded by COL and \$593.5 million from OCR.⁴ This covers 16 lending projects. In addition, ADB will administer cofinanced grants worth \$10.5 million. During the COBP period, ADB expects to deliver technical assistance (TA) worth \$16.7 million, of which \$9.0 million will be for ADB-financed TA projects and \$7.7 million for cofinanced TA projects. Areas of intervention and the resource allocation for each sector are included in Appendix 1.

5. The lending allocations in Appendix 2 reflect the Government of Mongolia’s priorities and ADB assistance in the following key sectors: (i) agriculture, natural resources, and rural development (25.9% of the 2-year program); (ii) energy (21.0%); (iii) water and other urban infrastructure and services (19.1%); (iv) finance (14.0%); (v) transport (10.9%); (vi) industry and trade (4.2%); (vii) education (4.2%); and (viii) public sector management (0.7%).

¹ ADB. 2017. *Country Partnership Strategy: Mongolia, 2017–2020—Sustaining Inclusive Growth in a Period of Economic Difficulty*. Manila.

² Government of Mongolia. 2016. *Action Program of the Government of Mongolia for 2016–2020*. Ulaanbaatar.

³ ADB. 2018. *Strategy 2030: Achieving a Prosperous, Inclusive, Resilient, and Sustainable Asia and the Pacific*. Manila.

⁴ Policy-based loans commitments have accounted for 48% of total lending since 2017. The remaining operations are project financing.

6. The TA program for 2020–2021 (Appendix 2) will enhance the design, preparation, and readiness of the lending program and will support knowledge creation, management, and sharing in Mongolia. The TA program has a strong thematic focus, in line with the lending program and in response to government priorities on agriculture, natural resources, and rural development (28.1% of the 2-year program); water and other urban infrastructure and services (17.9%); public sector management (16.8%); education (15.0%); health (9.0%); energy (7.2%); industry and trade (3.6%); and finance (2.4%). Appendix 3 presents the lending and nonlending assistance program for 2019 and Appendix 4 summarizes the planned knowledge program and events.

III. SUMMARY OF CHANGES TO LENDING AND NONLENDING PROGRAMS

7. The adjustments to the lending program for 2020–2021 include the following:

- (i) **Pipeline for 2020.** The main changes are the inclusion of the new First Utility-Scale Energy Storage Project and the move of the Vegetable Production and Irrigated Agriculture Project from 2019 to 2020. ADB included two additional grants in 2020—the Managing Solid Waste in Secondary Cities grant originally planned for 2019 and additional financing for the Combating Domestic Violence Against Women and Children Project.
- (ii) **Pipeline for 2021.** ADB moved the Forest Sector Development Program from 2020 to 2021 and moved the Improving Weather Forecast System Project from 2021 standby to 2021 firm in place of the Upgrading National Environment Monitoring Capacity Project, which ADB moved to 2021 standby.

8. Changes to the nonlending pipeline from the COBP, 2019–2021 resulted from the five new TA projects that focus on disaster risk management, regional power grids, procurement capacity, and state registry services.

COUNTRY ASSISTANCE RESULTS AREAS

Key Country Development Outcomes that ADB Contributes to	ADB		
	Key Areas of Assistance	Indicative Resource Available for Commitment in 2020–2021	Changes from Last COBP
1. Agriculture, Natural Resources, and Rural Development			
Agro-processing capacity and secondary primary agricultural production increased	Agricultural value chain development (production, marketing, and branding capacity increased)	Amount: \$137.7 million (OCR), \$47.3 million (COL), and \$4.0 million (cofinancing) Share of COBP lending envelope: 25.9%	No changes.
Environmental management capacity at all levels of government strengthened	Forest, solid waste, water, and protected area management		
Capacity for disaster risk management strengthened	Disaster early warning and control system, community-based disaster risk management, and disaster insurance scheme		
Sustainable tourism developed	Enabling infrastructure and waste management for tourism development		
2. Energy			
Energy access and efficiency in urban and remote areas improved	Renewable energy	Amount: \$150.0 million (OCR) and \$2.0 million (cofinancing) Share of COBP lending envelope: 21.0%	A new loan, First Utility-Scale Energy Storage Project, is included.
Impacts of climate change mitigated	Energy-efficient electricity and heat supply systems		
Air pollution reduced	Energy policy and regulations Energy storage		
3. Finance			
Access to finance for small and medium-sized enterprises improved	Access to finance for small and medium-sized enterprises by supporting financial infrastructure (credit guarantee system)	Amount: \$100.0 million (OCR) Share of COBP lending envelope: 14.0%	No changes.
Finance sector resilience strengthened	Finance sector stability and services Green financing ^a		
4. Health			
Access to basic health services improved	Primary and district health care Health service safety and quality Financial and social protection for people with disabilities	Health does not make up any of the lending commitments in the COBP period but includes several important TA projects.	No changes.

Key Country Development Outcomes that ADB Contributes to	ADB		
	Key Areas of Assistance	Indicative Resource Available for Commitment in 2020–2021	Changes from Last COBP
5. Transport			
Physical connectivity with international markets improved	Access to markets and public services in rural areas	Amount: \$78.0 million (OCR) Share of COBP lending envelope: 10.9%	No changes.
Dependence on mining for gross domestic product growth and exports reduced	Capacity building for transport sector institutions		
Urban congestion reduced	Urban transport systems in Ulaanbaatar		
6. Water and Other Urban Infrastructure and Services			
Urban infrastructure and coverage of basic urban services improved in <i>ger</i> (traditional tent) areas, <i>aimag</i> (province) centers, and <i>soums</i> (districts)	Water supply and sanitation Wastewater and sewerage treatment systems District heating systems Affordable housing systems Peri-urban redevelopment	Amount: \$92.8 million (OCR), \$43.6 million (COL), and \$20.7 million (cofinancing) Share of COBP lending envelope: 19.1%	No changes.
7. Public Sector Management			
Information and communication technology system for public financial management and tax administration strengthened	Public financial management and tax administration information and communication technology system Green financing	Amount: \$5.0 million (OCR) Share of COBP lending envelope: 0.7%	No changes.
Fiscal sustainability of social welfare programs improved while coverage maintained	Reform of social welfare programs Institutional capacity building		
Violence against women and children reduced	Support services for affected women		
8. Industry and Trade			
Physical connectivity with international markets improved	Improvement of border services	Amount: \$30.0 million (COL) Share of COBP lending envelope: 4.2%	No changes.

Key Country Development Outcomes that ADB Contributes to	ADB		
	Key Areas of Assistance	Indicative Resource Available for Commitment in 2020–2021	Changes from Last COBP
Exports of processed agricultural products increased			
9. Education			
Access to basic education services improved	Preprimary and basic education infrastructure and facilities, and education resources	Amount: \$30.0 million (OCR) and \$2.0 million (cofinancing)	No changes.
Skill mismatches and shortages of skilled workers in the labor market reduced	Higher education reform Technical and vocational education and training	Share of COBP envelope: 4.2%	

ADB = Asian Development Bank, COBP = country operations business plan, COL = concessional OCR lending, OCR = ordinary capital resources, TA = technical assistance.

^a Green finance refers to a broad range of funding services for environment-oriented technologies, projects, industries or businesses.

Source: ADB estimates.

INDICATIVE ASSISTANCE PIPELINE

Table A2.1: Lending Products, 2020–2021

Project/Program Name ^a	Sector	Poverty Targeting	Operational Priority	Division	Year of TRTA/ PRF	Cost (\$ million)						
						Total	ADB			Total	Gov't	Co-finance
							Regular OCR	COL	ADF Grants			
2020 Firm												
Vegetable Production and Irrigated Agriculture ^b	ANR	GI	OP5	EAER	2018	40.4	14.7	25.3	0.0	40.0	0.4	0.0
Developing Cross-Border Economic Zones Project	IND	GI	OP7	EAPF	2018	30.3	0.0	30.0	0.0	30.0	0.3	0.0
First Utility-Scale Energy Storage Project in Mongolia	ENE	GI	OP3	EASI		101.0	100.0	0.0	0.0	100.0	1.0	0.0
Urban Transport Development Investment Program (MFF, Tranche 2)	TRA	GI	OP4	EASI	2008	78.8	78.0	0.0	0.0	78.0	0.8	0.0
<i>Aimag</i> and <i>Soum</i> ^c Centers Regional Development Investment Program (MFF, Tranche 1)	WUS	TI-G	OP4	EASS	2017	90.9	65.0	25.0	0.0	90.0	0.9	0.0
Ulaanbaatar Urban Services and <i>Ger</i> ^d Areas Development Investment Program (MFF, Tranche 3)	WUS	TI-S	OP4	EASS	2012, 2019	94.1	27.8	18.6	0.0	46.4	29.0	18.7 ^e
Supporting Irrigation Schemes in Central Mongolia	ANR	GI	OP5	EAER		2.0	0.0	0.0	0.0	0.0	0.0	2.0 ^f
Education for Children with Disabilities Project	EDU	TI-G	OP1	EASS		2.0	0.0	0.0	0.0	0.0	0.0	2.0 ^f

Project/Program Name ^a	Sector	Poverty Targeting	Operational Priority	Division	Year of TRTA/ PRF	Cost (\$ million)						
						ADB					Gov't	Co-finance
						Total	Regular OCR	COL	ADF Grants	Total		
Combating Domestic Violence Against Women and Children (additional financing)	PSM, ICT	GI	OP2	MNRM		0.5	0.0	0.0	0.0	0.0	0.0	0.5 ^g
Managing Solid Waste in Secondary Cities	WUS	GI	OP4	MNRM		2.0	0.0	0.0	0.0	0.0	0.0	2.0 ^f
Total						442.0	285.5	98.9	0.0	384.4	32.4	25.2
2020 Standby												
Improving Fiscal Management (PBL)	PSM	GI	OP6	EAPF, MNRM		60.0	60.0	0.0	0.0	60.0	0.0	0.0
Total						60.0	60.0	0.0	0.0	60.0	0.0	0.0
2021 Firm												
Climate-Resilient Livestock Sector Development Project	ANR	GI	OP5	EAER	2019	30.3	23.0	7.0	0.0	30.0	0.3	0.0
Forest Sector Development Program	ANR	GI	OP3	EAER	2019	40.4	35.0	5.0	0.0	40.0	0.4	0.0
Disaster Risk Management Project	ANR	GI	OP3	EAER	2019	30.3	20.0	10.0	0.0	30.0	0.3	0.0
Improving Weather Forecast System Project	ANR	TI-S	OP3	EAER	2020	15.2	15.0	0.0	0.0	15.0	0.2	0.0
Sustainable Tourism Development Project (Phase 2)	ANR	TI-G	OP5	EAER	2020	30.3	30.0	0.0	0.0	30.0	0.3	0.0
Establishing Green Financing Project ^h	FIN	TI-S	OP3	EAPF	2019	50.5	50.0	0.0	0.0	50.0	0.5	0.0

Project/Program Name ^a	Sector	Poverty Targeting	Operational Priority	Division	Year of TRTA/ PRF	Cost (\$ million)						
						ADB					Gov't	Co-finance
						Total	Regular OCR	COL	ADF Grants	Total		
Establishing a Public-Private Partnership Development Fund Project	PSM	GI	OP6	EAPF	2019	5.1	5.0	0.0	0.0	5.0	0.1	0.0
Business Incubation and Development Project	FIN	GI	OP1	EAPF	2019	50.5	50.0	0.0	0.0	50.0	0.5	0.0
Supporting Renewable Energy Development Project	ENE		OP3	EASI	2019	50.5	50.0	0.0	0.0	50.0	0.5	0.0
Research University Sector Development Program	EDU	TI-S	OP1	EASS	2018	37.0	30.0	0.0	0.0	30.0	7.0	0.0
Strengthening Community Livelihoods in Buffer Zones of Protected Areas	ANR	GI	OP5	EAER		2.0	0.0	0.0	0.0	0.0	0.0	2.0 ^f
Pro-Poor Rural Energy in Rural Remote Areas	ENE	TI-S	OP5	EASI		2.0	0.0	0.0	0.0	0.0	0.0	2.0 ^f
Total						344.1	308.0	22.0	0.0	330.0	10.1	4.0
2021 Standby												
Upgrading National Environmental Monitoring Capacity Project	ANR	TI-S	OP3	EAER	2020	20.2	20.0	0.0	0.0	20.0	0.2	0.0
Establishing a Public-Private Partnership Guarantee Fund Project	PSM	GI	OP1	EAPF	2019	75.8	75.0	0.0	0.0	75.0	0.8	0.0
Establishment of Digital Centers in <i>Aimags</i> and <i>Soums</i> Project ^c	ICT	TI-G	OP4	EASS	2020	202.0	60.0	20.0	0.0	80.0	2.0	120.0 ⁱ

Project/Program Name ^a	Sector	Poverty Targeting	Operational Priority	Division	Year of TRTA/ PRF	Cost (\$ million)					Co-finance	
						ADB						
						Total	Regular OCR	COL	ADF Grants	Total		Gov't
Total						298.0	155.0	20.0	0.0	175.0	3.0	120.0

ADB = Asian Development Bank; ADF = Asian Development Fund; ANR = agriculture, natural resources, and rural development; COL = concessional OCR lending; EAER = East Asia Environment, Natural Resources, and Agriculture Division; EAPF = East Asia Public Management, Financial Sector, and Regional Cooperation Division; EASI = East Asia Sustainable Infrastructure Division; EASS = East Asia Urban and Social Sectors Division; EDU = education; ENE = energy; FIN = finance; GI = general intervention; Gov't = government; ICT = information and communication technology; IND = industry and trade; MFF = multitranches financing facility; MNRM = Mongolia Resident Mission; OCR = ordinary capital resources; OP = operational priority; 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; TI-G = targeted intervention—geographic dimensions of inclusive growth; TI-S = targeted intervention—Sustainable Development Goals; TRA = transport; TRTA = transaction technical assistance; WUS = water and other urban infrastructure and services.

^a Given the provisional nature of the indicative lending program, composition of lending instruments in the actual loan delivery may change.

^b The actual number for COL is \$25.34 million and for OCR is \$14.66 million.

^c *Aimag* is a province and *soum* is a subprovincial administrative unit.

^d *Ger* is a traditional tent.

^e European Investment Bank.

^f The Japan Fund for Poverty Reduction is a possible funding source subject to the approval of the Government of Japan.

^g The Japan Fund for Information, Communication, and Technology subject to the approval of the Government of Japan.

^h Green finance refers to a broad range of funding services for environment-oriented technologies, projects, industries or businesses.

ⁱ Cofinancing partner is yet to be determined.

Source: Asian Development Bank.

Table A2.2: Nonlending Products and Services, 2020–2021

Assistance Name	Sector	Division	Assistance Type	Sources of Funding				Total (\$'000)
				ADB		Others		
				Source	Amount (\$'000)	Source	Amount (\$'000)	
2020 Firm								
Capacity Building for Addressing Climate Change Impacts	PSM, TRA, ENE	EAER	KSTA		0.0	JFPR ^a	500.0	500.0
Disaster Risk Management	ANR	EAER	TRTA		0.0	JFPR, ^a EAKPF ^b	1,000.0	1,000.0
Estimating the Value of Natural Capital and Ecosystem Services	ANR	EAER	KSTA	TASF 6	500.0		0.0	500.0
Food Safety and Traceability Assessment	ANR	EAER	KSTA		0.0	JFPR ^a	1,000.0	1,000.0
Improving Weather Forecast System	ANR	EAER	TRTA	TASF 6	400.0		0.0	400.0
Strengthening the Management Capacity of Mongolia's Environmental NGOs	ANR	EAER	KSTA	TASF 6	500.0		0.0	500.0
Sustainable Tourism Development (Phase 2)	ANR	EAER	TRTA	TASF 6	800.0		0.0	800.0
Establishing Green Financing ^c	FIN	EAPF	TRTA	TASF 6	400.0		0.0	400.0
Integrated Trade Support	IND	EAPF	KSTA	TASF 6	600.0		0.0	600.0
Promotion of the Northeast Asia Power System Interconnection	ENE	EASI	KSTA		0.0	CEFPPF, RCIF, EAKPF ^b	1,200.0	1,200.0
Noncommunicable Disease Prevention	HLT	EASS	KSTA	TASF 6	750.0		0.0	750.0
Improved Registry System to Strengthen the Delivery of Social Services (additional financing)	PSM	MNRM	KSTA	TASF 6	1,000.0		0.0	1,000.0
Strengthening the Institutional Capacity and Autonomy of Public Utility Services Organizations	WUS	MNRM, EASS	KSTA	TASF 6	1,500.0		0.0	1,500.0

Assistance Name	Sector	Division	Assistance Type	Sources of Funding				Total (\$'000)
				ADB		Others		
				Source	Amount (\$'000)	Source	Amount (\$'000)	
Strengthening Capacity on Project Implementation and Procurement	PSM	MNRM	KSTA	TASF 6	400.0		0.0	400.0
Total					6,850.0		3,700.0	10,550.0
2020 Standby								
Improving Fiscal Management (PBL)	PSM	EAPF, MNRM	TRTA	TASF 6	500.0		0.0	500.0
Total					500.0		0.0	500.0
2021 Firm								
Upgrading National Environmental Monitoring	ANR	EAER	TRTA	TASF 6	500.0		0.0	500.0
Supporting Fair Competition	PSM	EAPF		TASF 6	500.0		0.0	500.0
Improving Online Company Registration	PSM	EAPF		TASF 6	400.0		0.0	400.0
Enhancing Teacher Continuous Professional Development	EDU	EASS	KSTA		0.0	JFPR ^a	1,500.0	1,500.0
Curriculum Reform for Physical Education and Art	EDU	EASS	KSTA		0.0	JFPR ^a	1,000.0	1,000.0
Enhancing Medicines Safety	HLT	EASS	KSTA	TASF 6	750.0		0.0	750.0
Establishment of Digital Centers in <i>Aimags</i> and <i>Soums</i> Project ^d	WUS	EASS	TRTA		0.0	JFPR ^a	1,500.0	1,500.0
Total					2,150.0		4,000.0	6,150.0

ADB = Asian Development Bank; ANR = agriculture, natural resources, and rural development; CEFPP = Clean Energy Financing Partnership Facility; EAER = East Asia Environment, Natural Resources, and Agriculture Division; EAKPF = e-Asia and Knowledge Partnership Fund; EAPF = East Asia Public Management, Financial Sector, and Regional Cooperation Division; EASI = East Asia Sustainable Infrastructure Division; EASS = East Asia Urban and Social Sectors Division; EDU = education; ENE = energy; FIN = finance; HLT = health; IND = industry and trade; JFPR = Japan Fund for Poverty Reduction; KSTA = knowledge and support technical assistance; MNRM = Mongolia Resident Mission; NGO = nongovernment organization; PBL = policy-based lending; PSM = public sector management; RCIF = Regional Cooperation and Integration Fund; TASF = Technical Assistance Special Fund; TRA = transport; TRTA = transaction technical assistance; WUS = water and other urban infrastructure and services.

^a Funding is subject to the approval of the Government of Japan.

^b Funding will be sought from these funds.

^c Green finance refers to a broad range of funding services for environment-oriented technologies, projects, industries or businesses.

^d *Aimag* is a province and *soum* is a subprovincial administrative unit.

Source: Asian Development Bank.

ASSISTANCE PROGRAM FOR CURRENT YEAR

Table A3.1: Lending Products, 2019

Project/Program Name	Sector	Poverty Targeting	Priority Area	Division	Year of TRTA/ PRF	Cost (\$ million)						
						Total	ADB			Gov't	Co-finance	
							Regular OCR	COL	ADF Grants			Total
Firm												
Sustainable Tourism Development Project	ANR	TI-G	OP5	EAER	2016	38.4	19.0	19.0	0.0	38.0	0.4	0.0
Ulaanbaatar Air Quality Improvement Program (Phase 2) (PBL)	PSM, TRA, ENE	GI	OP3	EAER		160.0	160.0	0.0	0.0	160.0	0.0	0.0
Regional Improvement of Border Services Project (additional financing)	IND	GI	OP7	EAPF, MNRM	2018	29.5	0.0	27.0	0.0	27.0	2.5	0.0
Regional Road Development and Maintenance Project (additional financing)	TRA	GI	OP7	EASI	2018	60.6	58.5	0.0	0.0	58.5	0.6	1.5 ^a
Improving Access to Health Services for Disadvantaged Groups (MFF, Tranche 1)	HLT	TI-S	OP1	EASS, MNRM	2015	80.4	66.1	10.0	0.0	76.1	0.8	3.5 ^b
Fourth Health Sector Development Project (additional financing)	HLT	TI-S	OP1	MNRM	2010	16.2	16.0	0.0	0.0	16.0	0.2	0.0
Ulaanbaatar Community Food Waste Recycling	ANR	GI	OP4	EAER		3.2	0.0	0.0	0.0	0.0	0.2	3.0 ^c
Improving Transport Services in Ger Areas ^d	TRA	TI-S	OP4	EASI		2.0	0.0	0.0	0.0	0.0	0.0	2.0 ^c

Project/Program Name	Sector	Poverty Targeting	Priority Area	Division	Year of TRTA/ PRF	Cost (\$ million)						
						Total	ADB			Total	Gov't	Co-finance
							Regular OCR	COL	ADF Grants			
Total						390.3	319.6	56.0	0.0	375.6	4.7	10.0
2019 Standby												
Urban Transport Development Investment Program (MFF, Tranche 2)	TRA	GI	OP4	EASI	2008	78.8	78.0	0.0	0.0	78.0	0.8	0.0
Education for Children with Disabilities Project	EDU	TI-G	OP1	EASS		2.0	0.0	0.0	0.0	0.0	0.0	2.0 ^c
Managing Solid Waste in Secondary Cities	WUS	GI	OP4	MNRM		2.0	0.0	0.0	0.0	0.0	0.0	2.0 ^c
Total						82.8	78.0	0.0	0.0	78.0	0.8	4.0

ADB = Asian Development Bank; ADF = Asian Development Fund; ANR = agriculture, natural resources, and rural development; COL = concessional OCR lending; EAER = East Asia Environment, Natural Resources, and Agriculture Division; EAPF = East Asia Public Management, Financial Sector, and Regional Cooperation Division; EASI = East Asia Sustainable Infrastructure Division; EASS = East Asia Urban and Social Sectors Division; EDU = education; ENE = energy; GI = general intervention; Gov't = government; HLT = health; IND = industry and trade; MFF = multitranches financing facility; MNRM = Mongolia Resident Mission; OCR = ordinary capital resources; OP = operational priority; OP1 = addressing remaining poverty and reducing inequalities; 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; OP7 = fostering regional cooperation and integration; PBL = policy-based lending; PRF = project readiness financing; PSM = public sector management; TI-G = targeted intervention—geographic dimensions of inclusive growth; TI-S = targeted intervention—Sustainable Development Goals; TRA = transport; TRTA = transaction technical assistance; WUS = water and other urban infrastructure and services.

^a High-Level Technology Fund.

^b Japan Fund for the Joint Crediting Mechanism.

^c The Japan Fund for Poverty Reduction is a possible funding source subject to the approval of the Government of Japan.

^d Ger is a traditional tent.

Source: Asian Development Bank.

Table A3.2: Nonlending Products and Services, 2019

Assistance Name	Sector	Division	Assistance Type	Sources of Funding				Total (\$'000)
				ADB		Others		
				Source	Amount (\$'000)	Source	Amount (\$'000)	
Firm								
Agriculture Masterplan	ANR	EAER	KSTA	TASF 6	400.0		0.0	400.0
Climate-Resilient Livestock Sector Development	ANR	EAER	TRTA	TASF 6	750.0		0.0	750.0
Disaster Risk Assessment and Disaster Insurance	ANR	EAER	KSTA		0.0	JFPR ^a	2,000.0	2,000.0
Forest Sector Development	ANR	EAER	TRTA		0.0	JFPR ^a	800.0	800.0
Improving the Management of Hazardous Chemicals	ANR	EAER	KSTA		0.0	JFICT ^a	750.0	750.0
Sustainable Fodder Management	ANR	EAER	KSTA		0.0	JFPR ^a	1,000.0	1,000.0
Ulaanbaatar Air Quality Improvement (Phase 2) (associated TA)	PSM, TRA, ENE	EAER	TRTA	TASF 6	250.0		0.0	250.0
Promoting a Coordinated Framework for Financial Consumer Protection	PSM	EAPF	KSTA	TASF 6	500.0		0.0	500.0
Green Finance Policy Framework	FIN	EAPF	KSTA	TASF 6	400.0		0.0	400.0
Improving Money Market Development and Macroprudential Policy	PSM	EAPF	KSTA	TASF 6	400.0		0.0	400.0
Business Incubation and Development	PSM	EAPF	TRTA	TASF 6	400.0		0.0	400.0
Establishing Public-Private Partnership Development Fund	PSM	EAPF	TRTA	TASF 6	400.0		0.0	400.0
Methane Gas Supply Chain Development Master Plan	ENE	EASI	KSTA		0.0	CEFPF ^b	500.0	500.0
Railway Sector Development Plan	TRA	EASI	KSTA	TASF 6	500.0		0.0	500.0

Assistance Name	Sector	Division	Assistance Type	Sources of Funding				
				ADB		Others		Total (\$'000)
				Source	Amount (\$'000)	Source	Amount (\$'000)	
Smart Energy System for Mongolia	ENE	EASI	KSTA		0.0	ACEF, HLTF ^c	1,500.0	1,500.0
Supporting Renewable Energy Development	ENE	EASI	TRTA		0.0	ACEF	500.0	500.0
Transportation Information Systems Development	TRA	EASI	KSTA	TASF 6	600.0		0.0	600.0
Capacity Building for Sustainable Livelihood Support in <i>Ger</i> Areas	PSM	EASS	KSTA	TASF 6	660.0		0.0	660.0 ^d
Capacity Building and Increasing Efficiency of Social Welfare Services	HLT	EASS	KSTA	TASF 6	600.0		0.0	600.0
Macroeconomic Advisory Support (replenishment)	PSM	MNRM	KSTA	TASF 6	500.0		0.0	500.0
Moving Gender Equality Forward through Civil Society Engagement	PSM	MNRM	KSTA		0.0	JFPR ^a	500.0	500.0
Strengthening Extractive Sector Governance	PSM	MNRM	KSTA	TASF 6	500.0		0.0	500.0
Strengthening the Supreme Audit Function	PSM	MNRM	KSTA	TASF 6	650.0	EAKPF	500.0	1,150.0
Unleashing the Private Sector to Drive Inclusive Growth in Eastern Mongolia	ANR	MNRM	KSTA	TASF 6	600.0		0.0	600.0
Total					8,110.0		8,050.0	16,160.0

ACEF = Asian Clean Energy Fund ; ADB = Asian Development Bank; ANR = agriculture, natural resources, and rural development; CEFPF = Clean Energy Financing Partnership Facility; EAER = East Asia Environment, Natural Resources, and Agriculture Division; EAKPF = e-Asia and Knowledge Partnership Fund; EAPF = East Asia Public Management, Financial Sector, and Regional Cooperation Division; EASI = East Asia Sustainable Infrastructure Division; EASS = East Asia Urban and Social Sectors Division; ENE = energy; FIN = finance; HLT = health; HLTF = High-Level Technology Fund; JFICT = Japan Fund for Information and Communication Technology; JFPR = Japan Fund for Poverty Reduction; KSTA = knowledge and support technical assistance; MNRM = Mongolia Resident Mission; PSM = public sector management; TASF = Technical Assistance Special Fund; TRA = transport; TRTA = transaction technical assistance.

^a Funding is subject to the approval of the Government of Japan.

^b Funding is tentative only and subject to further approval.

^c \$1 million will come from HLTF and \$0.5 million will come from ACEF. Funding for ACEF will be subject to the approval of the Government of Japan.

^d This project will draw on TASF 6 allocation from 2018.

Source: Asian Development Bank.

INDICATIVE KNOWLEDGE PRODUCTS AND EVENTS

Table A4.1: Knowledge Products and Events for 2020

Title of Publication or Event	Subject	Type	Department or Sector Group or Thematic Group	Funding Source
Annual Civil Society and Nongovernment Organization Outreach	Multisector	Event	EARD	
Country Water Assessment for Mongolia	WUS	Publication and documentation: Working paper	EARD	TA 8855
Observations and Suggestions Policy Notes Series No. 4	Economics	Publication and documentation: Policy brief	EARD	
Observations and Suggestions Policy Notes Series No. 5	Economics	Publication and documentation: Policy brief	EARD	
Think Tank Gathering on Development Challenges (April)	Economics	Event organization	EARD	
Think Tank Gathering on Development Challenges (November)	Economics	Event organization	EARD	
Country Diagnostic Study for Mongolia	Economics	Publication and documentation: Book	ERCD	TA 9508
Asian Development Outlook 2020 and its update (April and September)	Economics	Publication and documentation	EARD, ERCD	TA 0034
Total number of publications = 5				
Total number of events = 3				

EARD = East Asia Department, ERCD = Economic Research and Regional Cooperation Department, TA = technical assistance, WUS = water and other urban infrastructure and services.

Note: "Publications" may include databases, multimedia, and other forms of documentation. "Events" may include event organization and training or capacity development.

Source: Asian Development Bank.

Table A4.2: Additional Knowledge Products and Events Delivered in 2019

Title of Publication or Event	Subject	Type	Department or Sector Group or Thematic Group	Funding Source
Living with Disability in Mongolia: Progress Toward Inclusion	Multisector	Publication and documentation: Technical study	EARD	
Main Water Challenges in Mongolia	WUS	Publication and documentation: Policy brief	EARD	TA 8855
Institutional Development in Integrated Water Resource Management in Mongolia	WUS	Publication and documentation: Policy brief	EARD	TA 8855
Blue Skies and Green Steppe: Developing Sustainable Tourism in Mongolia	ANR	Multimedia: ADB blog	EARD	Not applicable
Climate Change and Protected Area Management	ANR	Publication and documentation: Technical report	EARD	Not applicable
Regional Workshop on Risk Management of SMEs Lending	Economics	Event organization: Workshop	ORM	TA 8300
Workshop on Local Currency Bond Market Development	Economics	Event organization: Workshop	EARD, ERCD	TA 9261
Workshop on Financial Management	Multisector	Event organization: Workshop	PPFD	TA 9661
Workshop on Future Strategic Thinking and Foresight for Development Planning	Multisector	Event organization: Workshop	SDCC	TA 9619
Workshop on Country Diagnostic Study for Mongolia	Economics	Event organization: Workshop	ERCD	TA 9508
Total number of publications = 5				
Total number of events = 5				

ADB = Asian Development Bank; ANR = agriculture, natural resources, and rural development; EARD = East Asia Department; ERCD = Economic Research and Regional Cooperation Department; ORM = Office of Risk Management; PPFD = Procurement, Portfolio, and Financial Management Department; SDCC =

Sustainable Development and Climate Change Department; SMEs = small and medium-sized enterprises; TA = technical assistance; WUS = water and other urban infrastructure and services.

Note: "Publications" may include databases, multimedia, and other forms of documentation. "Events" may include event organization and training or capacity development.

Source: Asian Development Bank.

Table A4.3: Innovation, Advanced Technology, and Pilot Initiatives to be Implemented in 2020

Item	Nature	Project Number	Sector or Theme	Division
Piloting the Use of Digital Technology in Audit	PLT	P53029	PSM	EARD
Pilot Projects for Food Waste Composting with Community Participation	PLT	P51102	WUS	EARD
Pilot Projects for Managed Groundwater Recharging in Selected River Basins	PLT	P51099	WUS	EARD
Total number of innovation, advanced technology, and pilot initiatives = 3				

EARD = East Asia Department, PLT = pilot initiative, PSM = public sector management, WUS = water and other urban infrastructure and services.

Source: Asian Development Bank.