



Central Asia South Asia Electricity Transmission and Trade Project (CASA-1000) (P145054)

SOUTH ASIA | South Asia | Energy & Extractives Global Practice |
IBRD/IDA | Investment Project Financing | FY 2014 | Seq No: 13 | ARCHIVED on 26-Dec-2020 | ISR43373 |

Implementing Agencies: Islamic Republic of Afghanistan, Ministry of Finance, Tajikistan, Islamic Republic of Pakistan, Kyrgyz Republic, Da Afghanistan Breshna Sherkat, National Electric Grid of Kyrgyzstan, Barki Tajik, National Transmission and Despatch Company (NTDC)

Key Dates**Key Project Dates**

Bank Approval Date: 27-Mar-2014

Effectiveness Date: 04-Nov-2014

Planned Mid Term Review Date: 29-Jan-2021

Actual Mid-Term Review Date:

Original Closing Date: 30-Jun-2020

Revised Closing Date: 31-Mar-2023

Project Development Objectives

Project Development Objective (from Project Appraisal Document)

The objective of the project is to create the conditions for sustainable electricity trade between the Central Asian countries of Tajikistan and Kyrgyz Republic and the South Asian countries of Afghanistan and Pakistan.

Has the Project Development Objective been changed since Board Approval of the Project Objective?

No

Components Table

Name

Construction of High Voltage Transmission Infrastructure:(Cost \$576.25 M)
Technical Assistance and Project Implementation Support:(Cost \$15.00 M)
Community Support Programs

Overall Ratings

Name	Previous Rating	Current Rating
Progress towards achievement of PDO	□ Moderately Satisfactory	□ Moderately Satisfactory
Overall Implementation Progress (IP)	□ Moderately Satisfactory	□ Moderately Satisfactory
Overall Risk Rating	□ High	□ High

Implementation Status and Key Decisions

The full contractual arrangements for the construction of the infrastructure for the CASA-1000 project across the four countries are now in place with the signing of the ten Engineering, Procurement, and Construction (EPC) contracts for the project. Despite the COVID-19 related restrictions and in full compliance with the risk mitigation measures under their respective COVID-19 Emergency Preparedness Plans, all the contractors have been working with the National Transmission Companies (NTCs) in the four countries to fulfill their obligations. They are carrying out design and planning activities at their headquarters, finding creative solutions to enable NTCs to witness factory acceptance tests either through third parties or remotely, dispatching and delivering equipment when possible, and advancing construction at site..

Community Support Program (CSP): The architecture of the community support programs is now in place across the four countries, with the approval of the Pakistan (PK) CSP on June 3, 2020 and its effectiveness in July 2020. Given their Community Driven Development (CDD) nature, the various CSP programs have been mobilized to help with the COVID-19 response and their implementation has been adapted to



effectively support communities across countries, with “soft launch” of activities in The Kyrgyz Republic (KR) and Tajikistan (TJ). Besides, an additional financing of US\$21 million was approved by the World Bank in July 2020 for KR CSP to expand the CSP activities to all communities and the Afghanistan (AFG) CSP project has been restructured in November 2020 and US\$10 million re-allocated for COVID-19 response. Finally, there are joint missions and increased coordination between the CASA-1000 and CSP projects across countries.

Risks

Systematic Operations Risk-rating Tool

Risk Category	Rating at Approval	Previous Rating	Current Rating
Political and Governance	--	High	High
Macroeconomic	--	Substantial	Substantial
Sector Strategies and Policies	--	Substantial	Substantial
Technical Design of Project or Program	--	Moderate	Moderate
Institutional Capacity for Implementation and Sustainability	--	Moderate	Moderate
Fiduciary	--	Moderate	Moderate
Environment and Social	--	Substantial	Substantial
Stakeholders	--	Substantial	Substantial
Other	--	--	Substantial
Overall	--	High	High

Results

PDO Indicators by Objectives / Outcomes



Trade initiated between the participating countries				
▶ Trade initiated between the participating countries (Yes/No, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	No	No	No	Yes
Date	01-Jan-2014	09-Jun-2020	14-Dec-2020	31-Mar-2023
Comments:	Commercial flows of electricity traded under at least one of the PPA between at least one of the sellers and one of the buyers.			
▶ Commercial framework between the countries is established and operational (Text, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	Not established	PPAs and MA signed and are effective	PPAs and MA signed and are effective	All Core Project agreements including Account Bank, Technical Code finalized
Date	01-Jan-2014	09-Jun-2020	14-Dec-2020	31-Mar-2023
Comments:	Number of commercial framework agreements signed and implemented.			
▶ Institutional mechanism for project sustainability is in place (Text, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	IGC Secretariat and JWG established	The Inter-Governmental Council (IGC) Secretariat and Joint Working Group (JWG) continue to meet enacting decisions to advance project activities.	The Inter-Governmental Council (IGC) Secretariat and Joint Working Group (JWG) continue to meet enacting decisions to advance project activities.	IGC and JWG meetings held
Date	30-Jan-2014	09-Jun-2020	14-Dec-2020	31-Mar-2023
Comments:	Ensure coordination and decision-making processes and capacity are established.			
▶ Transmission lines constructed or rehabilitated under the project (Kilometers, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	1,300.00
Date	30-Jan-2014	09-Jun-2020	14-Dec-2020	31-Mar-2023
Comments:	This indicator measures the length of the transmission lines constructed or rehabilitated/upgraded under the project.			



□ Transmission lines constructed under the project (Kilometers, Custom Breakdown)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	1,300.00
Date	30-Jan-2014	09-Jun-2020	14-Dec-2020	31-Mar-2023

Overall Comments

Before electricity trade can take place between countries, all the transmission lines across the four countries as well as HVDC converter stations (in TJ and PK) need to be completed, connected and the entire system tested and proved operational. Based on the current schedule, this will likely happen in August 2024.

For the transmission lines, it is only when the conductors are strung over towers that we can start counting the number of kilometers constructed. At this stage, it is only in AFG that foundations are being excavated and towers are being erected and no conductor has been strung yet. That is why the number of kilometers of lines constructed has remained unchanged to date.

Intermediate Results Indicators by Components

Construction of a High Voltage Transmission Infrastructure				
▶ Construction contracts signed for HVDC converter stations (Yes/No, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	No	Yes	Yes	Yes
Date	30-Jan-2014	09-Jun-2020	14-Dec-2020	31-Mar-2023
Comments:	Contract signed in September 2018.			
▶ Construction contracts signed for HVDC line (Yes/No, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	No	Yes	Yes	Yes
Date	30-Jan-2014	09-Jun-2020	14-Dec-2020	31-Mar-2023
Comments:	Construction Contracts for the HVDC Line in Afghanistan were signed in December 2017. Construction contract for the HVDC line in Tajikistan was signed in May 2018 Construction contract for the HVDC line in Pakistan was signed in May 2020.			
▶ Converter stations constructed under the Project (Number, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	2.00
Date	30-Jan-2014	09-Jun-2020	14-Dec-2020	31-Mar-2023



Comments:	Number of converter substations constructed (in Tajikistan and Pakistan)			
► HVDC line constructed under the Project (Kilometers, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	750.00
Date	30-Jan-2014	09-Jun-2020	14-Dec-2020	31-Mar-2023
► HVAC line between the Kyrgyz Republic and Tajikistan constructed under the Project (Kilometers, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	455.00
Date	30-Jan-2014	09-Jun-2020	14-Dec-2020	31-Mar-2023
► Indirect Project Beneficiaries (Number, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	30,000,000.00
Date	30-Jan-2014	09-Jun-2020	14-Dec-2020	31-Mar-2023
Comments:	Electricity consumers in Pakistan and Afghanistan benefitting from increased electricity supply			

Technical Assistance and Project Implementation Support				
► Owner's Engineer hired and in place (Yes/No, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	No	Yes	Yes	Yes
Date	30-Jan-2014	09-Jun-2020	14-Dec-2020	31-Mar-2023
► Timely Audits carried out of Entity Financial Statements within 9 months of the closure of financial year - Tajikistan and Kyrgyz Republic (Yes/No, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	No	Yes	Yes	Yes
Date	30-Jan-2014	09-Jun-2020	14-Dec-2020	31-Mar-2023
► Timely Audits carried out of Entity Financial Statements within 9 months of the closure of the financial year - Pakistan and Afghanistan (Text, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target



Value	No	Yes	Yes	Yes
Date	30-Jan-2014	09-Jun-2020	14-Dec-2020	31-Mar-2023
► Number of staff receiving knowledge transfer on HVDC technology/ Transmission Dispatch (Number, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	10.00	10.00	40.00
Date	30-Jan-2014	09-Jun-2020	14-Dec-2020	31-Mar-2023
Comments:	Number of National Transmission Companies (NTCs) /national consultants/contractor staff involved in HVDC activities and Transmission dispatch during design and construction phases.			

Community Support Programs				
► Development of operations manual for the Community Support Programs (Yes/No, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	No	Yes	Yes	Yes
Date	30-Jan-2014	09-Jun-2020	14-Dec-2020	31-Mar-2023
Comments:	Significant progress has been made in the development of the operational manuals for the Community Support Programs developed to implement the Board-approved scope of Component C. The operations manuals in Afghanistan, Kyrgyz Republic and Tajikistan are all developed to ensure compliant and innovative citizen engagement (CE) mechanisms (participatory planning, participatory monitoring engaging youth, community scorecards and social audits for instance). The operations manuals also include requirements for implementing agencies to measure citizen engagement in the CASA1000 family of projects. A key measure is the share of beneficiaries in the corridor of impact who report that the CSP is an effective response to the local impacts of the CASA1000 Transmission Line.			
► Agreement on financing of Community Support Programs for operations phase (Yes/No, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	No	Yes	Yes	Yes
Date	30-Jan-2014	09-Jun-2020	14-Dec-2020	31-Mar-2023
Comments:	In all, US\$93 million have been mobilized for the Community Support Programs (CSP) required under Component C. Reflecting a strong commitment to citizen engagement through benefit sharing with communities living in the transmission line corridor of impact, this financing is significantly higher than originally envisaged (US\$70 million in PAD; US\$93 million approved), involving US\$34 million IDA, and \$59 million TF. The Social Global Practice has partnered on the design of the four CSP projects to ensure that each meets the community-driven approach of the Community Support Program approved by the Board, and each country's efforts is compliant with the CE requirements, ensuring the feedback loop is closed, and measuring the beneficiary feedback through a number of indicators that will track the perception of communities and the level of their engagement.			

Overall Comments



For the converter stations, work is ongoing in Sangtuda (TJ) and access to Nowshera site (PK) will be provided to the contractor in January 2021. Hence, there is no change on the indicators as of today. For the transmission lines, it is only when the conductors are strung over towers that we can start counting the number of kilometers constructed. At this stage, it is only in AFG that foundations are being excavated and towers are being erected and no conductor has been strung yet. For this reason, the number of kilometers of lines constructed has remained unchanged to date.

Given their Community Driven Development (CDD) nature, the various CSP programs have been mobilized to help with the COVID-19 response and their implementation has been adapted to effectively support communities across countries, with “soft launch” of activities in KR and TJ. Besides, an additional financing of US\$21 million was approved by the World Bank in July 2020 for KR CSP to support all communities with COVID-19 relief and the AFG CSP project has been restructured in November 2020 and US\$10 million re-allocated for COVID-19 response.

Performance-Based Conditions

Data on Financial Performance

Disbursements (by loan)

Project	Loan/Credit/TF	Status	Currency	Original	Revised	Cancelled	Disbursed	Undisbursed	% Disbursed
P145054	IDA-54090	Effective	USD	120.00	120.00	0.00	25.16	85.64	23%
P145054	IDA-54380	Effective	USD	38.25	38.25	0.00	2.75	32.93	7.7%
P145054	IDA-64320	Effective	USD	65.00	65.00	0.00	0.00	65.93	0%
P145054	IDA-H9270	Effective	USD	316.50	316.50	0.00	153.14	138.49	53%
P145054	IDA-H9410	Effective	USD	45.00	45.00	0.00	34.38	6.20	85%
P145054	IDA-H9420	Effective	USD	6.75	6.75	0.00	6.08	0.00	100%
P145054	TF-16252	Closed	USD	0.50	0.50	0.00	0.50	0.00	100%
P145054	TF-16254	Closed	USD	0.65	0.65	0.00	0.65	0.00	100%
P145054	TF-A4613	Effective	USD	0.60	0.60	0.00	0.00	0.60	0%
P145054	TF-A4614	Effective	USD	3.00	3.00	0.00	1.17	1.83	39%
P145054	TF-A4615	Effective	USD	17.00	17.00	0.00	13.99	3.01	82%
P145054	TF-B2766	Effective	USD	1.57	1.57	0.00	0.00	1.57	0%

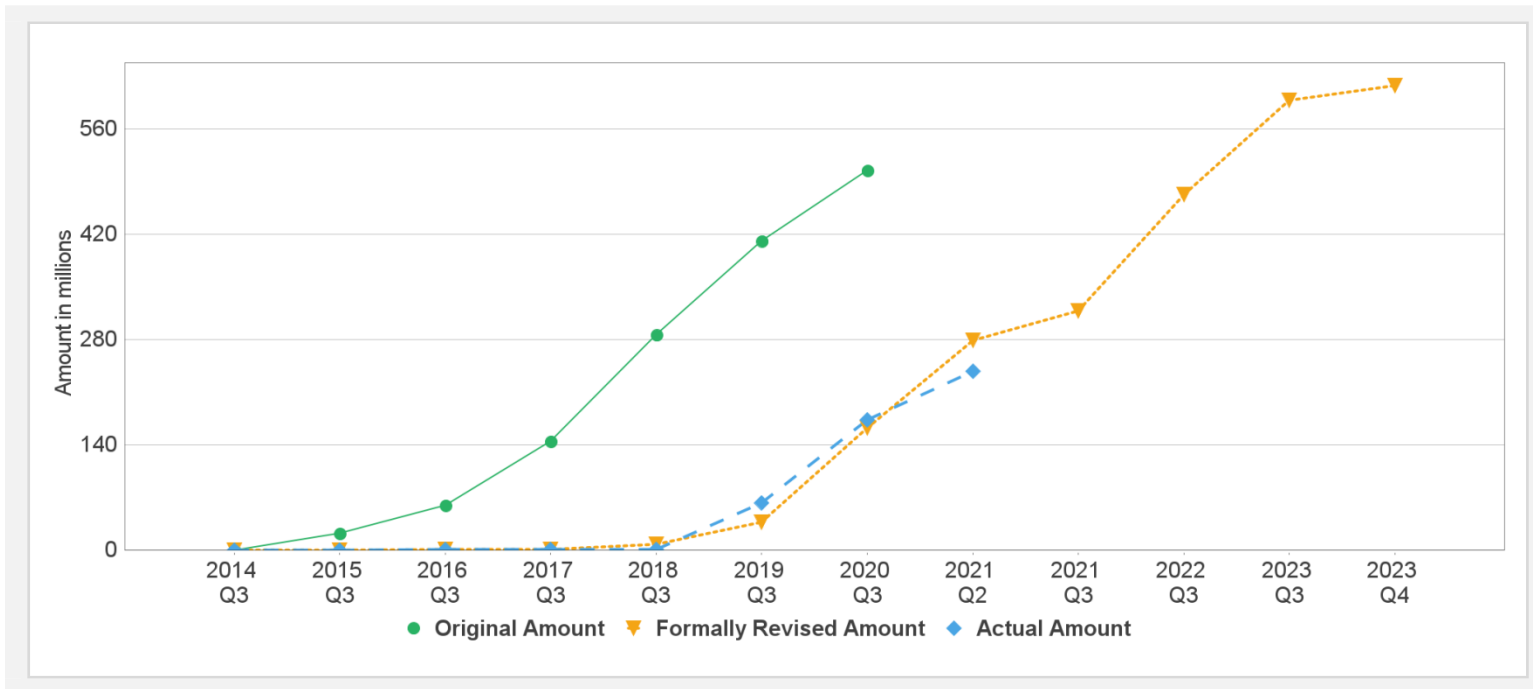
Key Dates (by loan)

Project	Loan/Credit/TF	Status	Approval Date	Signing Date	Effectiveness Date	Orig. Closing Date	Rev. Closing Date
P145054	IDA-54090	Effective	27-Mar-2014	11-May-2015	24-Jan-2018	30-Jun-2020	31-Mar-2023



P145054	IDA-54380	Effective	27-Mar-2014	24-Apr-2015	29-Jan-2018	30-Jun-2020	31-Mar-2023
P145054	IDA-64320	Effective	31-May-2019	26-Nov-2019	15-May-2020	31-Mar-2023	31-Mar-2023
P145054	IDA-H9270	Effective	27-Mar-2014	24-Apr-2015	24-Jan-2018	30-Jun-2020	31-Mar-2023
P145054	IDA-H9410	Effective	27-Mar-2014	24-Apr-2015	24-Jan-2018	30-Jun-2020	31-Mar-2023
P145054	IDA-H9420	Effective	27-Mar-2014	24-Apr-2015	29-Jan-2018	30-Jun-2020	31-Mar-2023
P145054	TF-16252	Closed	29-Jul-2014	29-Jul-2014	24-Nov-2014	30-Jun-2015	30-Jun-2017
P145054	TF-16254	Closed	28-Jul-2014	05-Aug-2014	04-Nov-2014	30-Jun-2015	30-Jun-2017
P145054	TF-A4613	Effective	12-Sep-2017	12-Sep-2017	26-Nov-2018	30-Jun-2020	31-Mar-2022
P145054	TF-A4614	Effective	02-Aug-2017	02-Aug-2017	02-Aug-2017	30-Jun-2020	31-Mar-2022
P145054	TF-A4615	Effective	14-Sep-2017	14-Sep-2017	14-Dec-2017	30-Jun-2020	31-Mar-2022
P145054	TF-B2766	Effective	22-Jun-2020	24-Jun-2020	24-Jun-2020	31-Mar-2022	31-Mar-2022

Cumulative Disbursements



PBC Disbursement

PBC ID	PBC Type	Description	Coc	PBC Amount	Achievement Status	Disbursed amount in Coc	Disbursement % for PBC



Restructuring History

Level 2 Approved on 07-May-2018 ,Level 2 Approved on 10-Jan-2019

Related Project(s)

P160585-CASA-1000 Additional Financing ,P160586-Central Asia South Asia Electricity Transmission Project (CASA 1000) ,P166927-Additional Financing: Kyrgyz Republic CASA-1000 ,P167898-Additional Financing for the Central Asia South Asia Electricity Transmission and Trade Project ,P169978-Central Asia South Asia Electricity Transmission and Trade Guarantees