



## West Africa Regional Communications Infrastructure Project - APL-1B (P122402)

AFRICA WEST | Western Africa | Digital Development Global Practice |  
IBRD/IDA | Investment Project Financing | FY 2011 | Seq No: 18 | ARCHIVED on 27-Jul-2021 | ISR46595 |

Implementing Agencies: Ministry of Economy and Finance, Ministry of Digital Economy and Post, Minister of Finance and Economic Affairs, Ministry of Information and Communications Infrastructure, Ministère de l'Economie, des Finances, et du Développement du Burkina Faso, Ministère du Développement de l'Economie Numérique et des Postes, Secrétariat Permanent du Programme Sectoriel des Transports

**Key Dates****Key Project Dates**

Bank Approval Date: 21-Jun-2011

Effectiveness Date: 31-Oct-2011

Planned Mid Term Review Date: 28-Apr-2014

Actual Mid-Term Review Date: 02-Jun-2014

Original Closing Date: 31-Dec-2016

Revised Closing Date: 30-Jul-2021

**Project Development Objectives**

Project Development Objective (from Project Appraisal Document)

The development objective of WARCIP is to increase the geographical reach of broadband networks and reduce costs of communications services in West Africa. For APL1B, the Project's development objectives are to contribute to increasing the geographical reach of broadband networks and to reducing the costs of communications services in each of the territories of The Gambia, Guinea and Burkina Faso.

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

No

**Components Table**

Name

Burkina Faso: Component 1- Connectivity:(Cost \$29.40 M)  
Burkina Faso: Component 2- Creation of an Enabling Environment and Strengthening of Institutions for Improved Connectivity:(Cost \$8.68 M)  
Burkina Faso: Component 3- Project implementation and Contingency:(Cost \$2.26 M)  
Guinea: Component 1- Supporting Connectivity:(Cost \$25.00 M)  
Guinea: Component 2- Creating an Enabling Environment for improved connectivity:(Cost \$6.80 M)  
Guinea: Component 3- Project implementation:(Cost \$2.00 M)  
Gambia: Component 1- Supporting Connectivity:(Cost \$25.75 M)  
Gambia: Component 2- Creating an Enabling Environment for improved connectivity:(Cost \$7.25 M)  
Gambia: Component 3- Project implementation, communications and M&E including contingency:(Cost \$2.00 M)

**Overall Ratings**

Name	Previous Rating	Current Rating
Progress towards achievement of PDO	<input type="checkbox"/> Satisfactory	<input type="checkbox"/> Satisfactory
Overall Implementation Progress (IP)	<input type="checkbox"/> Satisfactory	<input type="checkbox"/> Satisfactory
Overall Risk Rating	<input type="checkbox"/> Moderate	<input type="checkbox"/> Moderate

**Implementation Status and Key Decisions**



This 18th ISR is the last ISR before program closing, planned for July 30, 2021. It covers all activities of the West Africa Regional Communications Infrastructure Project (WARCIP 1B), reporting on the main outcomes of (a) the last implementation support mission, conducted virtually in March 2021, and (b) the bi-monthly remote monitoring meetings with the counterpart, established following the start of the Corona Virus Disease (COVID-19) pandemic outbreak and held in April, May, June and July 2021 on the Burkina Faso (BF) portion (WARCIP – APL-1B) as all activities under the other two participating countries have been completed and the associated financing closed in 2016 and 2018.

**Overall, both DO and IP ratings of the WARCIP 1B are satisfactory (S).** Ratings for the Burkina Faso activities remain also Satisfactory. The project development objective (PDO) has been achieved with all outcome and intermediate outcome indicators' targets under the program achieved and exceeded.

*Strong results* on all PDO-level indicators' targets have been achieved: Average monthly price of wholesale international E1 capacity link from capital city to Europe has been reduced from US\$ 7,300 month/2Mbit/s to US\$715 month/2Mbit/s against a target US\$ 2,450 month/2Mbit/s planned at the end of the project ; access to Telephone Services improved from 35.9 per 100 people to 85 per 100 people against a target of 59.7 per 100 planned at the end of the project. (fixed mainlines plus cellular phones per 100 people) ; and the volume of international traffic: International Communications (Internet, Telecoms, and Data) (Number, Custom) increased from 14.3 kbit/per person to 247 14.3 kbit/per person, against a end target of 63 14.3 kbit/per person Also, end-of project targets for all intermediate results indicators have been achieved.

*Preparation of the implementation completion and results report is underway.* The ICR (which will also incorporate the findings of the interim ICRs pertaining to Guinea and The Gambia) is due in January 30, 2022, six months after the closing of the AF portion of the project. The project will aim to finalize the ICR prior to the due date. Several meetings have taken place with focal points from the project to discuss achievement, challenges and lessons learned at the project level.

Below is a summary of the status of the main activities in **Burkina Faso**:

Component 1 (Connectivity) is rated S: The main activities under this component aimed to (i) build a link to the border with Benin (around 180 km) to complete the regional connectivity; (ii) strengthen BF's Virtual Landing Point (VLP) and Internet Exchange Point (IXP). Both the VLP and IXP have been established and strengthened. The construction of the 25 km Dindéogo-Zabré segment is almost completed and expected to be achieved and delivered by July 23, 2021. Due to insecurity reasons, the laying of the Fada-Pama fiber optic link (180 km) between BF and the border with Benin, the associated technical/feasibility studies, as well as the related monitoring of the fiber optic construction have all been canceled under Component 1. Thanks to part of the financing freed up by this cancelation, additional international bandwidth capacity (9 Gbps) could be purchased. The remaining balance of freed-up financing has been canceled. These changes, primarily affecting Component 1, as well as an extension of the closing date of IDA Credit No. 62220-BF and of the project from June 30, 2021, to July 30, 2021, were processed through a recent Level II restructuring on May 14, 2021.

Component 2 (Creation of an Enabling Environment and Strengthening of Institutions for Improved Connectivity) is also rated S, as most of the key activities to strengthen the regulatory environment and the PPP for the management of the national backbone that would include the additional link and other infrastructures, including the activities linked to the shared infrastructure, are all well advanced and expected to be completed by current closing. The feasibility study for the creation of the passive infrastructure and electronic communications assets company is also at its final stage and is expected to be completed by July 23, 2021.

Component 3 (Project implementation and Contingence) is Satisfactory, despite the MS of the Financial Management (FM). The latest audit report was unqualified. Procurement is rated satisfactory, all key activities were completed, and the last major purchase of the additional capacity of Component 1 went smoothly. The environmental and social impact notice for the construction of the Fada-Pama-Kourou/Kouala fiber optic link and the development of the resettlement action plan for the construction of the Fada-Pama-Kourou/Kouala fiber optic link has been canceled due to the cancellation of the construction of the Fada-Pama fiber optic link. However, all key environmental and social studies have been completed and their implementation and/or the monitoring of their implementation achieved.

Strong results on all PDO-level indicators' targets related to the Access to Telephone Services, Average monthly price of wholesale international E1 capacity link from capital city to Europe, and Access to Internet Services, have now been exceeded. Also, end-of-project targets for all intermediate results indicators have been achieved or exceeded.

**The ICR preparation is underway.** The Borrower is also preparing its own completion report, which will be attached to the World Bank's final ICR.

## Risks

### Systematic Operations Risk-rating Tool



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

**Results**

**PDO Indicators by Objectives / Outcomes**

To increase the geographical reach of broadband networks and reduce costs of communications.

► Average monthly price of wholesale international E1 capacity link from capital city to Europe (USD/month/2Mbit/s) (Amount(USD), Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	7,300.00	915.50	915.50	2,450.00
Date	31-Dec-2010	30-Jun-2019	30-Jun-2019	31-Dec-2016

☐ Gambia: Average monthly price of wholesale international E1 capacity link from capital city to Europe (USD/month/2Mbit/s) (Amount(USD), Custom Breakdown)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	5,000.00	0.00	0.00	1,000.00
Date	31-Dec-2010	23-Dec-2016	23-Dec-2016	31-Mar-2016

☐ Guinea: Average monthly price of wholesale international E1 capacity link from capital city to Europe (USD/month/2Mbit/s) (Amount(USD), Custom Breakdown)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	8,000.00	1,400.00	1,400.00	1,400.00
Date	30-Sep-2010	07-Jan-2016	07-Jan-2016	31-Mar-2016



<input type="checkbox"/> Burkina Faso: Average monthly price of wholesale international E1 capacity link from capital city to Europe (US\$ per month per 2Mbps) (Amount(USD), Custom Breakdown)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	9,000.00	319.00	319.00	700.00
Date	31-Dec-2010	30-Sep-2020	31-Mar-2021	30-Jul-2021
<b>► Access to Telephone Services (fixed mainlines plus cellular phones per 100 people) (Number, Custom)</b>				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	35.95	85.00	85.00	54.75
Date	30-Sep-2010	29-Aug-2016	29-Aug-2016	30-Dec-2016
<input type="checkbox"/> Guinea: Access to Telephone Services (fixed mainlines plus cellular phones per 100 people) (Number, Custom Breakdown)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	34.70	97.80	97.80	47.50
Date	30-Sep-2010	23-Dec-2016	23-Dec-2016	30-Dec-2016
<input type="checkbox"/> Burkina Faso: Access to Telephone Services (fixed mainlines plus cellular phones per 100 people) (Number, Custom Breakdown)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	37.20	99.66	108.46	92.00
Date	31-Dec-2010	30-Sep-2020	31-Mar-2021	30-Jul-2021
<b>► Volume of international traffic: International Communications (Internet, Telecoms, and Data) bandwidth per person (kbit/per person) (Number, Custom)</b>				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	14.33	247.00	247.00	63.00
Date	31-Dec-2010	24-Aug-2016	24-Aug-2016	30-Dec-2016
<input type="checkbox"/> Gambia: Volume of international traffic: International Communications (Internet, Telecoms, and Data) bandwidth per person (kbit/perperson) (Number, Custom Breakdown)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	10.00	497.00	497.00	30.00
Date	31-Dec-2010	23-Dec-2016	23-Dec-2016	31-Mar-2016
<input type="checkbox"/> Guinea: Volume of international traffic: International Communications (Internet, Telecoms, and Data) bandwidth per person (kbit/perperson) (Number, Custom Breakdown)				
	Baseline	Actual (Previous)	Actual (Current)	End Target



Value	5.00	85.75	85.75	85.00
Date	31-Dec-2010	23-Dec-2016	23-Dec-2016	30-Dec-2016
<b>► Access to Internet Services (number of subscribers per 100 people) (Number, Custom)</b>				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.41	21.66	21.66	1.43
Date	30-Sep-2010	29-Aug-2016	29-Aug-2016	30-Dec-2016
<input type="checkbox"/> Gambia: Access to Internet Services (number of subscribers per 100 people) (Number, Custom Breakdown)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.75	35.90	35.90	3.00
Date	30-Sep-2010	23-Dec-2016	23-Dec-2016	30-Dec-2016
<input type="checkbox"/> Guinea: Access to Internet Services (number of subscribers per 100 people) (Number, Custom Breakdown)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.30	26.19	26.19	0.70
Date	31-Dec-2010	23-Dec-2016	23-Dec-2016	30-Dec-2016
<input type="checkbox"/> Burkina Faso: Access to Internet Services (number of subscribers per 100 people) (Number, Custom Breakdown)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.20	46.70	67.26	40.00
Date	31-Dec-2010	30-Sep-2020	31-Mar-2021	30-Jul-2021
<b>► Direct project beneficiaries (Number, Custom)</b>				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	3,300,000.00	7,840,000.00	7,840,000.00	6,242,000.00
Date	30-Sep-2010	29-Aug-2016	29-Aug-2016	30-Dec-2016
<input type="checkbox"/> Gambia: Direct project beneficiaries (Number, Custom Breakdown)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	1,600,000.00	1,600,000.00	1,600,000.00	1,800,000.00
Date	30-Sep-2010	19-Jun-2015	19-Jun-2015	31-Mar-2016
<input type="checkbox"/> Gambia: female beneficiaries (Percentage, Custom Supplement)				



	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	44.00	47.00	47.00	51.00
☐ Guinea: Direct project beneficiaries (Number, Custom Breakdown)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	3,700,000.00	10,150,000.00	10,150,000.00	5,600,000.00
Date	30-Sep-2010	23-Dec-2016	23-Dec-2016	30-Dec-2016
☐ Guinea: Female beneficiaries (Percentage, Custom Supplement)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	25.00	35.00	35.00	30.00

**Intermediate Results Indicators by Components**

<b>Burkina Faso: Component 1- Connectivity</b>				
▶ Burkina Faso: Volume of available international capacity: International Communications (Internet, Telecoms, and Data) bandwidth (Gbps) (Number, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.78	58.26	67.26	39.00
Date	31-Dec-2010	30-Sep-2020	31-Mar-2021	30-Jul-2021
▶ Burkina Faso: Retail price of mobile Internet services (5Go prepaid package with 3G technologies or above) (Amount(USD), Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	16.00	12.30	12.30	8.00
Date	31-Dec-2016	30-Sep-2020	31-Mar-2021	30-Jul-2021
▶ Burkina Faso: Retail price of fixed Internet services (download speed at 2Mbps or above) per month (Amount(USD), Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	130.00	22.24	22.24	70.00
Date	31-Dec-2016	30-Sep-2020	31-Mar-2021	30-Jul-2021
▶ Burkina Faso: Network coverage for mobile telephony (as % of population) (Percentage, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target



Value	80.00	91.98	92.41	90.00
Date	31-Dec-2016	30-Sep-2020	31-Mar-2021	30-Jul-2021
<b>► Burkina Faso: Network coverage for mobile Internet (3G and above, as % of population) (Percentage, Custom)</b>				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	25.00	50.67	50.67	60.00
Date	31-Dec-2016	30-Sep-2020	31-Mar-2021	30-Jul-2021
Comments:	No updated value available			
<b>► Burkina Faso: Total length of national fiber optic networks (km) (Kilometers, Custom)</b>				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	1,860.00	7,477.15	7,494.53	3,320.00
Date	31-Dec-2016	30-Sep-2020	31-Mar-2021	30-Jul-2021
<b>► Burkina Faso: National Internet traffic exchanged at the IXP (Mbps peak times) (Number, Custom)</b>				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	350.00	9,000.00	12,000.00	1,500.00
Date	31-Dec-2016	30-Sep-2020	31-Mar-2021	30-Jul-2021
<b>► Burkina Faso: Citizen perception of the affordability and quality of broadband services (Including perception by women) (Percentage, Custom)</b>				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	75.00
Date	31-Dec-2017	30-Sep-2020	31-Mar-2021	30-Jul-2021
Comments:	There is no baseline for this indicator. The indicator will be collected through a survey, after the effectiveness of AF and at the closing date. Not available yet.			
<b>► Impact on Telecom sector of World Bank Technical Assistance (composite score: 1- low impact to 5-high impact) (Number, Custom)</b>				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	3.00	3.00	3.00
Date	30-Sep-2010	29-Aug-2016	29-Aug-2016	30-Dec-2016
<input type="checkbox"/> Gambia: Impact on Telecom sector of World Bank Technical Assistance (composite score: 1- low impact to 5-high impact) (Number, Custom Breakdown)				



	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	3.00	3.00	3.00
Date	31-Dec-2010	19-Jun-2015	19-Jun-2015	30-Dec-2016
<input type="checkbox"/> Guinea: Impact on Telecom sector of World Bank Technical Assistance (composite score: 1- low impact to 5-high impact) (Number, Custom Breakdown)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	4.00	4.00	3.00
Date	31-Dec-2010	23-Dec-2016	23-Dec-2016	30-Dec-2016
<input type="checkbox"/> Burkina Faso: Impact on Telecom sector of World Bank Technical Assistance (composite score: 1- low impact to 5-high impact) (Number, Custom Breakdown)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	4.00	4.00	4.00
Date	31-Dec-2010	30-Sep-2020	31-Mar-2021	30-Jul-2021

Guinea: Component 1- Supporting Connectivity				
<input checked="" type="checkbox"/> Guinea: Volume of available international capacity: International Communications (Internet, Telecoms, and Data) bandwidth (Gbit/s) (Number, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.15	9.50	9.50	5.90
Date	31-Dec-2010	23-Dec-2016	23-Dec-2016	30-Dec-2016

Gambia: Component 1- Supporting Connectivity				
<input checked="" type="checkbox"/> Gambia: Volume of available international capacity: International Communications (Internet, Telecoms, and Data) bandwidth (Gbit/s) (Number, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.16	4.97	4.97	5.90
Date	31-Dec-2010	23-Dec-2016	23-Dec-2016	31-Mar-2016

**Performance-Based Conditions**

**Data on Financial Performance**





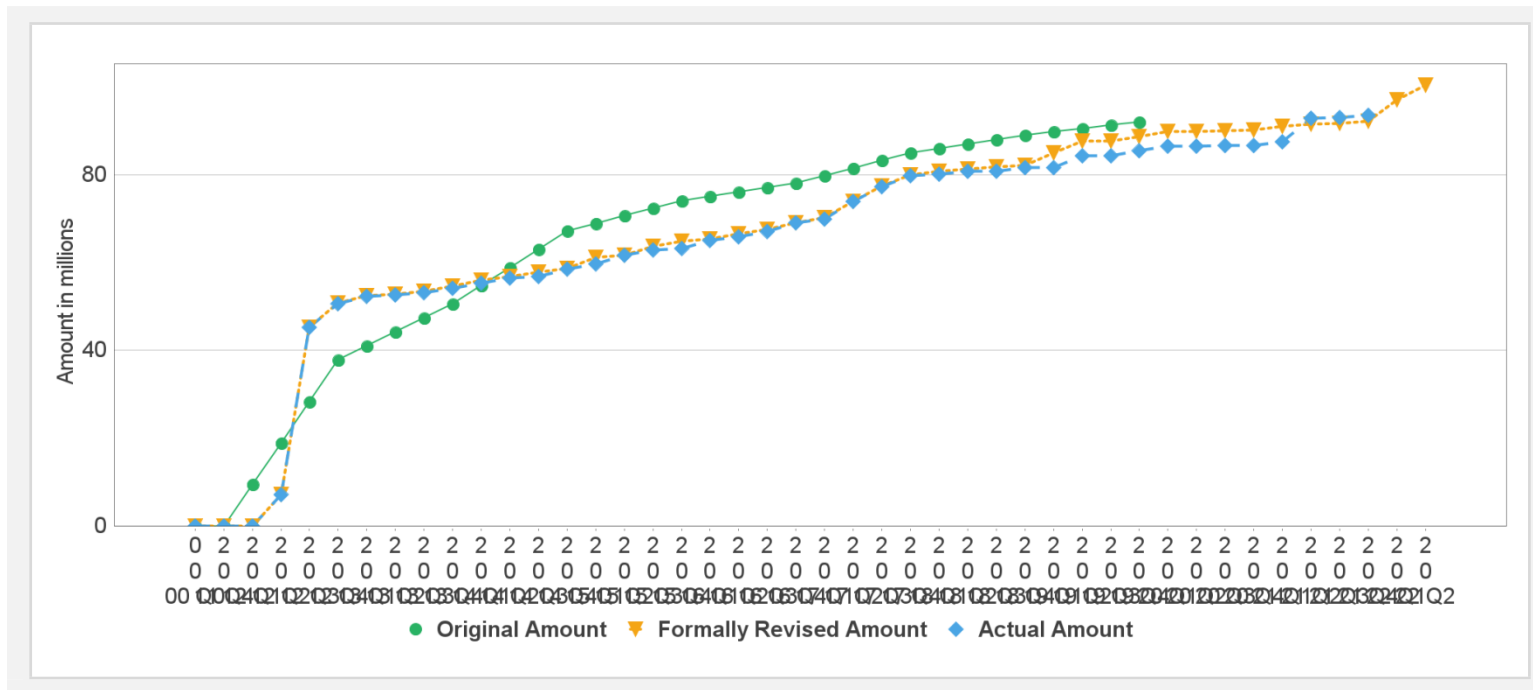
**Disbursements (by loan)**

Project	Loan/Credit/TF	Status	Currency	Original	Revised	Cancelled	Disbursed	Undisbursed	% Disbursed
P122402	IDA-62220	Effective	USD	20.00	17.95	2.05	9.20	8.21	53%
P122402	IDA-H7120	Closed	USD	23.00	22.93	0.07	19.95	0.00	100%
P122402	IDA-H7130	Closed	USD	35.00	34.76	0.24	32.56	0.00	100%
P122402	IDA-H7140	Closed	USD	34.00	33.87	0.13	31.76	0.00	100%

**Key Dates (by loan)**

Project	Loan/Credit/TF	Status	Approval Date	Signing Date	Effectiveness Date	Orig. Closing Date	Rev. Closing Date
P122402	IDA-62220	Effective	25-Apr-2018	11-May-2018	05-Sep-2018	30-Jun-2021	30-Jul-2021
P122402	IDA-H7120	Closed	21-Jun-2011	04-Jul-2011	22-Dec-2011	31-Dec-2016	30-Sep-2018
P122402	IDA-H7130	Closed	21-Jun-2011	29-Jun-2011	31-Oct-2011	31-Mar-2016	31-Dec-2016
P122402	IDA-H7140	Closed	21-Jun-2011	29-Jun-2011	19-Dec-2011	31-Mar-2016	31-Dec-2016

**Cumulative Disbursements**





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**PBC Disbursement**

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

Level 2 Approved on 29-Feb-2016 ,Level 2 Approved on 28-Dec-2017 ,Level 2 Approved on 26-Jun-2019 ,Level 2 Approved on 10-May-2021

**Related Project(s)**

P161836-Burkina Faso - West Africa Regional Communications Infrastructure Project - Additional Financing

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