



**THE WORLD BANK**  
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Report No: RES00080

RESTRUCTURING PAPER  
ON A  
PROPOSED PROJECT RESTRUCTURING  
OF

Digital and Energy Connectivity for Inclusion in Madagascar Project

APPROVED ON 30-Mar-2023

TO

Republic of Madagascar

Energy & Extractives  
Digital Development  
Eastern and Southern Africa

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**ABBREVIATIONS AND ACRONYMS**

<b>ADER</b>	<i>Agence de Développement de l'Electrification Rurale</i> / Rural Electrification Agency
<b>ARELEC</b>	<i>Autorité de Regulation de l'Electricité</i> / Electricity Regulatory Authority
<b>ARTEC</b>	<i>Autorité de Régulation des Technologies de Communication</i> / Regulatory Authority for Communication Technologies
<b>CERC</b>	Contingent Emergency Response Component
<b>CIP3</b>	Communications Infrastructure Project (third phase of the Regional Communications Infrastructure Program)
<b>CNTEMAD</b>	<i>Centre National de Télé-enseignement de Madagascar</i> / Madagascar Tele-Learning Center
<b>DECIM</b>	Digital and Energy Connectivity for Inclusion in Madagascar Project / Connectivité numérique et énergétique pour l'inclusion à Madagascar
<b>ESOGIP</b>	Electricity Sector Operations and Governance Improvement Project
<b>E&amp;S</b>	Environmental and Social
<b>FDTIC</b>	<i>Fonds pour le développement des technologies de l'information et de la communication</i> / ICT Development Fund
<b>FY</b>	Fiscal Year
<b>GoM</b>	Government of Madagascar
<b>GRID</b>	Green, Resilient and Inclusive Development
<b>ICT</b>	Information and Communication Technologies
<b>IDA</b>	International Development Association
<b>IFC</b>	International Finance Corporation
<b>IPF</b>	Investment Project Financing
<b>iRENALA</b>	Research and Education Network for Academic and Learning Activities
<b>JIRAMA</b>	Jiroso Rano Malagasy (national electricity and water company)
<b>kV</b>	kiloVolts
<b>MEH</b>	<i>Ministère de l'Energie et des Hydrocarbures</i> / Ministry of Energy and Hydrocarbons
<b>MGA</b>	Malagasy Ariary
<b>MNDPT</b>	<i>Ministère du développement Numérique, de la Transformation Digitale, des Postes et des Télécommunications</i> / Ministry of Digital Development, Digital Transformation, Posts and Telecommunications
<b>MW</b>	Mega Watts
<b>OGS</b>	Off-grid solar
<b>O&amp;M</b>	Operations and Maintenance
<b>PIU</b>	Project Implementation Unit
<b>PRODIGY</b>	Digital Governance and Identification Management System Project
<b>PV</b>	Photovoltaic
<b>RBF</b>	Results Based Financing
<b>SCADA</b>	Supervisory control and data acquisition
<b>SDR</b>	Special Drawing Right



## The World Bank

Digital and Energy Connectivity for Inclusion in Madagascar Project (P178701)

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<b>SMG</b>	Scaling Mini-Grid
<b>TA</b>	Technical Assistance
<b>WBG</b>	World Bank Group
<b>WiFi</b>	Wireless Fidelity (networking standard)



**BASIC DATA**

**Product Information**

Operation ID P178701	Operation Name Digital and Energy Connectivity for Inclusion in Madagascar Project
Product/Financing Instrument Investment Project Financing (IPF)	Geographical Identifier Madagascar
Approval Date 30-Mar-2023	Current Closing Date 31-Mar-2028
Environmental and Social Risk Classification (ESRC) Substantial	

**Organizations**

Borrower Republic of Madagascar	Responsible Agency Ministry of Digital Development, Digital Transformation, Posts and Telecommunications (MDDDTPT), Ministry of Energy and Hydrocarbons (MEH)
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**OPERATION STATUS**

**Project Development Objective (DO)**

Original Development Objective

The Project Development Objective is to expand access to renewable energy and digital services in Madagascar.

**Disbursement Summary (in USD million)**

Source of Funds	Net Commitment	Disbursed	Balance	% Disbursed
IBRD	--	--	--	0



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IDA	400.00	5.00	395.00	1.25
Grants	--	--	--	0

**Policy Waivers**

Does this restructuring trigger the need for any policy waiver(s)?

No



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## I. PROJECT STATUS AND RATIONALE FOR RESTRUCTURING

1. This paper seeks approval from the Country Director, for a Level 2 restructuring of the Digital and Energy Connectivity for Inclusion in Madagascar Project (DECIM, (P178701), Credit No. 7286-MG), to: (a) partially cancel project financing, (b) adjust project scope and (c) reallocate funds. This is the first restructuring of the project.

### A. Project Background

2. DECIM, an Investment Project Financing, was approved by the Board on March 30<sup>th</sup>, 2023, in the amount of US\$400 million equivalent, and became effective on July 21<sup>st</sup>, 2023. The closing date is March 31<sup>st</sup>, 2028. The Project Development Objective (PDO) is " *to expand access to renewable energy and digital services in Madagascar.*" DECIM comprises five components: (a) Component 1: Expanding Energy and Digital Infrastructure (US\$155 million equivalent); (b) Component 2: Enhancing Energy and Digital Inclusion (US\$205 million equivalent); (c) Component 3: Supporting Enabling Environment for Green Energy and Digital Infrastructure (US\$20 million equivalent), (d) Component 4: Project Management and Implementation Support (US\$20 million equivalent), and (e) Component 5: Contingent Emergency Response (US\$0 equivalent).
3. The project is aligned with the World Bank Group goals of ending poverty on a livable planet, and the new Madagascar Country Partnership Framework FY23-FY27 (report No. 179576-MG / March 2023). The project will support both the World Bank's Green, Resilient and Inclusive Development approach and the Global Crisis Response Framework. The project is aligned with the Global challenge program (GCP) Energy Transition, Efficiency and Access: to increase access to affordable, reliable, sustainable, and modern energy, by scaling up clean energy, phasing down fossil fuel use, and supporting just transition. The project is focusing on (i) expanding and improving access; (ii) increasing renewable energy integration, and (iii) phasing down fossil fuel, as well as the GCP Accelerating Digitalization (with a focus on the first Focus Area: expanding essential good quality broadband infrastructure and services, with a special emphasis on rural and underserved regions). The project is also aligned with the World Bank's Gender Strategy (2016-2023) through its focus on improving women's economic empowerment to better access to energy and digital services. The project is also aligned with the recommendations of the Madagascar Country Private Sector Diagnostic, with the view to Mobilizing Finance for Development and Private Capital Mobilization where applicable. The project proposes a set of interventions to increase access to reliable and affordable energy and digital services, with a focus placed on including underserved communities.
4. **Project performance to date:** Both progress towards achieving the PDO and Implementation Progress are rated Satisfactory. Financial Management is currently rated Moderately Satisfactory, mostly due to delays in the recruitment of the financial management staff of the Project Implementation Unit (PIU). The PIU was fully onboard in April 2024. Procurement is rated Moderately Unsatisfactory, until recently, the Project did not have a dedicated procurement specialist and procurement activities were being handled by a procurement specialist from another similar project. However, a procurement specialist is now onboard since March 2024. The environmental and social (E&S) specialists are yet to be recruited. Recruitment is still ongoing, and expected to be finalized by July 2024. Thus E&S is rated Moderately satisfactory. There are no pending audit reports.

### B. Implementation Status:



5. **Status of implementation:** Overall disbursement as of May 10<sup>th</sup>, 2024, is US\$5.00 million, which represents 1.25 percent of the available funds. Detailed description of the progress under the project components to date are presented below:

**Component 1: Expanding Energy and Digital Infrastructure (US\$155 million equivalent):**

6. This component, focusing on the deployment of infrastructure and mobilizing private capital to improve and expand access to energy and digital services in underserved areas, is composed of several major activities that are all in the procurement process. Recruitment of the Engineering, procurement, and construction (EPC) firm in charge of the hybridization and digitalization of isolated centers managed by JIRAMA is on-going. The initial selection process will be launched by the mid-June 2024. The procurement process for a firm to complete the feasibility study for the expansion of digital connectivity in rural areas was launched in March 2024 and currently is at evaluation stage. The first batch for the extension of rural connectivity (financing of around of a hundred of cell towers) is currently being finalized by the Regulatory Authority for Communication Technologies (ARTEC) and the tender documents are being drafted, following which the call for tenders will be launched by the end of June 2024. A firm for the feasibility studies for the rehabilitation of non-performing mini grids is being recruited. The World Bank team reviewed the TOR submitted in STEP. The tender is expected to be launched in June 2024. For Scaling mini grids, the Government of Madagascar (GoM) has confirmed its interest to this initiative. Discussions are going within IFC teams for the preparation of this activity mainly the recruitment of the Transaction advisor with the African Legal Support Facility.
7. In addition, the two activities (i) looping of the Antananarivo interconnected grid and (ii) installation of the new dispatching center - Supervisory Control and Data Acquisition (SCADA), the procurement process for these activities is also under preparation, that were cancelled under the Electricity Sector Operations & Governance Improvement Project (ESOGIP; P151785) are proposed to be financed by the DECIM under this component. These two activities will formally be included in the project scope through the current restructuring with financing from component 2.1.

**Component 2: Enhancing Energy and Digital Inclusion (US\$205 million equivalent);**

8. This component aims to accelerate uptake by addressing barriers that hamper digital and energy access. With regards to the electrification and digitalization of public institutions, the list of institutions is being finalized by the Government while the different options/models applicable to Madagascar context to ensure the sustainability of the installations (Operation and maintenance - O&M) are expected to be defined by end of June 2024. The Client has started drafting of the bidding documents for this activity. For the feasibility study on the mechanisms for awarding digital devices (e.g., smartphones, tablets, with option for coupling with solar kits), the call for expressions of interest was closed in April 2024, and the PIU is finalizing the evaluation report. Calls for expressions of interest have been launched in May 2024 for the feasibility study on models to implement digital literacy campaigns and for the evaluation of existing digital inclusion initiatives carried out by the Ministry of Digital Development, Digital Transformation, Posts and Telecommunications (MNDPT) (ICTBus, Hotspot Points, Smart Villages).
9. The acquisition and distribution of social solar kits is expected under this component. Some funds under component 2.1 will be channeled into this subcomponent for the implementation of this activity as part of the current restructuring. On the digital side, three additional activities are proposed to be financed under this component, through transfers from subcomponents 1.2 and 2.1 as part of the current restructuring: (i) acquisition and distribution of digital devices to the Administration as part of the digitization of administrative services provided by the State (e.g., for Fokontany chiefs); (ii) an advanced digital skills program designed by the IFC that was originally part of the Digital Governance and Identification Management System Project (PRODIGY; P169413):





the tailor-made trainings in advanced digital skills will aim to create a high-quality skills pool (5,000 graduates) capable of meeting the needs of the job market to support the development of the digital sector; and (iii) support to set up a virtual university and support digital skills development. The Madagascar Tele-Learning Center (CNTEMAD) plans to set up some 60 virtual training centers. The activity under DECIM will consist of renovating and equipping the existing centers, so as to be able to train around 15,000 learners throughout the country.

**Component 3: Supporting Enabling Environment for Green Energy and Digital Infrastructure (US\$20 million equivalent),**

10. This component aims to strengthen the policy, legal and regulatory environment in both the digital and energy sectors to maximize the success, effectiveness, and sustainability of other project activities. The technical assistance to ARTEC on the management of the scarce resources, including spectrum costing and frequency allocation/valuation, has started with complementary financing under a related Trust Fund (Digital Development Partnership). Procurement has been initiated in March 2024 for a second technical assistance for ARTEC, in preparing the determination of significant market power and cost calculation methods, as well as support of on-net/off-net tariffs and interconnection charges, and currently is at evaluation stage. Similarly, procurement was launched for a technical assistance to provide recommendations on the governance and performance of the ICT Fund, but the process was unsuccessful, as no sufficiently good candidate could be selected, and the PIU will relaunch the process by early June 2024. The initial payment for the membership of iRENALA in the AfricaConnect3 program (direct payment) is pending clarity on the restructuration of iRENALA. Technical assistance to the Ministry of Energy on regulatory texts governing the electricity tariffs in Madagascar is ongoing, and the final report is expected by the end of the fiscal year. Finally, the drafting of the TORs is ongoing for a technical assistance to the Ministry of Energy and JIRAMA on the amendment of the connection policy to include classic connections.

**Component 4: Project Management and Implementation Support (US\$20 million equivalent)**

11. This component will support project management and implementation functions and strengthen the GoM's coordination and management capacity. The key PIU staff have been recruited except the Environmental and Social specialists and ICT specialist whose recruitment process is still ongoing. The Fund Manager in charge of managing the mini-grids, and off-grid/digital device subcomponents is being recruited. The same Fund Manager of the ongoing Least-Cost Electricity Access Development Project - LEAD (P163870) is being hired. The request for proposal was sent out on April 15<sup>th</sup>, 2024, and the offer, received on May 15<sup>th</sup>, 2024, is being evaluated by the PIU. The recruitment process for the Independent Verification Agent (IVA) has not yet started.
12. Budget lines will be considered under this component for (i) capacity building for the MEF and (ii) preparation of a future potential energy project. These budget lines will contribute to improving the working conditions of the MEF and will assist teams to do a lot of upstream work, studies, on envisaged projects when the existing project is coming to an end.

**Component 5: Contingent Emergency Response (US\$0 million equivalent).**

13. The CERC has not been activated.

**II. DESCRIPTION OF PROPOSED CHANGES**

14. The proposed changes to the project include the following: (a) partial cancellation of financing; (b) changes to components and costs and (c) changes to results framework including alignment with the new Corporate Score Card and retrofitting of the results indicators exercise.



15. **Partial cancellation of project financing and resources reallocation between disbursement categories:** USD 25,000,000 equivalent (SDR 18,543,750.00)<sup>1</sup> will be cancelled from Credit No. 7286-MG, Category 3b (SDR 11,126,250.00 or USD 15,000,000) and Category 4a (SDR 7,417,500.00 or USD 10,000,000). The remaining resources will be reallocated between categories according to the proposed changes, including additional activities:

- To be financed under component 1:
  - Looping of the Antananarivo interconnected grid (\$17 million equivalent)
  - Installation of the new dispatching center - Supervisory Control and Data Acquisition (SCADA) (\$24 million equivalent)
- To be financed under component 2:
  - Acquisition and distribution of social solar kits for vulnerable households in remote regions (\$36 million equivalent)
  - Acquisition and distribution of digital devices to the Administration (7 million equivalent)
  - Digital skills program designed by the IFC that was originally part of PRODIGY (\$6.3 million equivalent)
  - Support to set up a virtual university (CNTEMAD) (\$2.9 million equivalent).
- To be financed under component 4:
  - Capacity building for the MEF (\$1 million equivalent)
  - Preparation of future potential energy project (\$1 million equivalent)

**Table1: Reallocation between categories**

16. **Changes to components and costs:** Table 1 summarizes the changes in the component costs and scope.

CATEGORY	ACTIVITY	INITIAL ALLOCATION (AMOUNT-USD equivalent)	CANCELLATION AMOUNT -USD equivalent	Reallocation AMOUNT -USD equivalent		REVISED ALLOCATION (AMOUNT -USD equivalent)
				(-)	(+)	
(1) (a)	Goods, works, non-consulting services, consulting services, Operating Costs, Training under Parts 1.1, 1.4, 2.2, 2.3(d) , 2.3(e), and 2.5 of the Project	45,001,685.21			57,000,000.00	102,001,685.22
(1) (b)	Sub-Financings (PBF Grants) under Part 2.3(b)(i) of the Project	7,994,607.35				7,994,607.35

<sup>1</sup> Exchange rate from SDR estimated at 1 SDR = 1.3481... USD (400,000,000/296,700,000)



2	Goods, works, non-consulting services, consulting services, Operating Costs, Training under Parts 1.2(c), 2.4, 3, and 4 of the Project	41,995,281.44			36,000,000	77,995,281.44
(3) (a)	Sub-Financings (Smart Subsidies) under Part 1.2(a) and 2.3(b)(ii) of the Project	68,001,348.18		5,000,000.00		63,001,348.18
(3) (b)	Goods, works, non-consulting services, consulting services, Operating Costs and Training under Parts 1.2(b), 2.3(a), and 2.3(c) of the Project	41,995,281.44	15,000,000.00			26,995,281.44
(4) (a)	Sub-Financings (Catalytic Grants, Line of Credit, PBF Grants, Viability Gap Funding Grants) under Parts 1.3(a) and 2.1(a) of the Project	185,008,426.06	10,000,000.00	88,000,000.00		87,008,426.04
(4) (b)	Goods, non-consulting services, consulting services, Operating Costs, Training under Part 1.3 and 2.1 of the Project	10,003,370.41				10,003,370.41
-5	Emergency Expenditures under Part 5					
	<b>TOTAL</b>	<b>400,000,000.09</b>	<b>25,000,000.00</b>	<b>93,000,000.00</b>	<b>93,000,000.00</b>	<b>375,000,000.08</b>

**Table 2. Revised Component costs and scope**

Components	Initial budget (\$US)	CANCELLATION AMOUNT -(\$US)	Reallocation AMOUNT - (\$US)		REVISED ALLOCATION (\$US)
			(-)	(+)	
<b>Component 1: Expanding Energy and Digital Infrastructure</b>	<b>155,000,000</b>				<b>185,000,000</b>



Subcomponent 1.1: Hybridization and digitization of isolated grids	35,000,000				35,000,000
Subcomponent 1.2: Deployment of digital infrastructure in rural areas	60,000,000		5,000,000		55,000,000
Subcomponent 1.3: Private sector renewable energy mini grids	60,000,000	10,000,000			50,000,000
<i>Subcomponent 1.4: SCADA and RIA Transmission line (additional activities)</i>				45,000,000	45,000,000
<b>Component 2: Enhancing Energy and Digital Inclusion</b>	<b>205,000,000</b>				<b>150,000,000</b>
Subcomponent 2.1: Affordable off-grid solar and digital devices for underserved communities and marginalized groups	135,000,000		88,000,000		47,000,000
Subcomponent 2.2: Digital skills and renewable energy awareness	10,000,000			5,000,000	15,000,000
Subcomponent 2.3: Off-grid solar and broadband connectivity for public institutions to increase service delivery and access for underserved communities	60,000,000	15,000,000			45,000,000
<i>Subcomponent 2.4: Social solar kits for marginalized groups and vulnerable households (additional activity)</i>	0			36,000,000	36,000,000
<i>Subcomponent 2.5: Digital devices for public administration use (additional activity)</i>	0			7,000,000	7,000,000
<b>Component 3: Supporting Enabling Environment for Green Energy and Digital Infrastructure</b>	<b>20,000,000</b>				<b>20,000,000</b>
Subcomponent 3.1: Support for digital sector reforms	8,000,000				8,000,000
Subcomponent 3.2: Support for energy sector reforms	8,000,000				8,000,000
Subcomponent 3.3: Enabling environment for enhanced climate change adaptation and mitigation	4,000,000				4,000,000
<b>Component 4: Project Management and Implementation Support</b>	<b>20,000,000</b>				<b>20,000,000</b>
<b>Component 5: Contingent Emergency Response Component</b>					
<b>TOTAL</b>	<b>400,000,000</b>	<b>25,000,000</b>	<b>93,000,000</b>	<b>93,000,000</b>	<b>375,000,000</b>



17. **Changes to results framework.** The results framework will be revised to consider the cancellation, the additional activities, and the proposed new Corporate Scorecard indicators.<sup>2</sup> The table below summarizes all the main changes on the results framework.

Indicator	Baseline	Initial Target	Revised target
Million of people provided with access to electricity (Number)	0	10	5.95
Millions of people using broadband internet (Number)	0	3.4	3.1
Including women (Number)	0	1.8	1.6
Including people in rural areas (Number)	0	1.5	1.4
Households provided with new or improved isolated grid & mini-grid electricity access (Number)	0	100,000	90,000
New Dispatching Center and Distribution Control Center constructed and commissioned	No	N/A	Yes
New Transmission lines constructed under the project (Kilometers)	0	N/A	34
Affordable digital devices distributed under the project (Number)	0	830,000	664,000
Including to women and girls	0	500,000	400,000
Including to civil servants	0	0	20,000
Households and businesses provided with new off-grid electricity access (Number)	0	1,900,000	1,100,000
Number of schools, healthcare centers and Government ministries departments and agencies provided with new or enhanced broadband internet access, under the project (Number)	0	2000	1500
Health centers and schools provided with new electricity service under the project (Number)	0	3000	2250
Number of people obtaining advanced digital skills certification	0	0	5,000

<sup>2</sup> Millions of people provided with access to electricity.

GW of renewable energy capacity enabled.

Millions of people using broadband internet.

**III. PROPOSED CHANGES**

Operation Information	Proposed Changes	Operation Information	Proposed Changes
MFD/PCE	Yes	Loan Cancellations	Yes
Results	Yes	Reallocations	Yes
Disbursements Estimates	Yes	Loan Closing Date Extension	No
Components	Yes	Financial Management	No
Development Objective	No	Procurement	No
Summary Description (Operation Abstract)	No	Institutional Arrangement	No
Legal Operational Policies	No	Implementation Schedule	No
Risks	No		
Legal Covenants	No		
Conditions	No		
Implementation Modalities	No		
Disbursements Arrangements	No		
DDO	No		
Clients	No		
Appraisal Summary	No		

**IV. DETAILED CHANGE(S)****COMPONENTS**

Current Component Name	Current Cost (USD)	Action	Proposed Component Name	Proposed Cost (USD)
1. Expanding Energy and Digital Infrastructure	155,000,000.00	Revised	1. Expanding Energy and Digital Infrastructure	185,000,000.00
2. Enhancing Energy and Digital Inclusion	205,000,000.00	Revised	2. Enhancing Energy and Digital Inclusion	150,000,000.00
4. Project Management and Implementation Support	20,000,000.00	No Change	4. Project Management and Implementation Support	20,000,000.00



3. Supporting the Enabling Environment for Green Energy and Digital Infrastructure	20,000,000.00	No Change	3. Supporting the Enabling Environment for Green Energy and Digital Infrastructure	20,000,000.00
5. Contingent Emergency Response Component	0.00	No Change	5. Contingent Emergency Response Component	0.00
<b>TOTAL</b>	<b>400,000,000.00</b>			<b>375,000,000.00</b>

**COSTS & FINANCING**

**Private Capital Facilitation**

Is this an MFD-Enabling Project (MFD-EP)? Yes Under revision

Is this project Private Capital Enabling (PCE)? Yes Under revision

**LOANS**

**Cancellations**

Loan/Credit/Trust Fund	Status	Currency	Current Amount	Cancellation Amount	Value Date of Cancellation	New Amount	Reason for Cancellation
IDA-72860-001	Disbursing	XDR	296,700,000.00	18,543,750.00	01-May-2024	278,156,250.00	BORROWER'S REQUEST FOR COUNTRY REASONS

**Reallocations**

<b>IDA-72860-001</b>	Currency: XDR	Cancellations (if any): 18,543,750.00	New Allocation: 278,156,250.00
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Category No.	Expenditure Category	Current Allocation	Actuals + Committed	Proposed Allocation	Financing % (Type Total)	
					Current	Proposed
1.A	G,W,NC/S, OC & T P1.1,2.2,2.3d&e;	33,380,000.00	0.00	75,659,750.00	100.00	100.00



1.B	SUBFINANCINGS (PBF) UNDE P2.3(b)(i);	5,930,000.00	0.00	5,930,000.00	100.00	100.00
2	G,W,NC/S,OC&T P1.2.c,3 & 4;	31,150,000.00	0.00	57,853,000.00	100.00	100.00
3.A	SUBFINANC(SMA. SUBS)P1.2a&2.3.b(ii);	50,440,000.00	0.00	46,731,250.00	100.00	100.00
3.B	G,W,NC/S,OC&T P1.2b,2.3a & 2.3c;	31,150,000.00	0.00	20,023,750.00	100.00	100.00
4.A	SUBFINANC(PBFs) P 1.3a & 2.1a;	137,230,000.0 0	0.00	64,538,500.00	100.00	100.00
4.B	G,W,NC/S,OC&T P1.3 & 2.1;	7,420,000.00	0.00	7,420,000.00	100.00	100.00
5	Emergency Expenditures PT 5;	0.00	0.00	0.00	100.00	100.00
<b>Total</b>		<b>296,700,000.0 0</b>		<b>278,156,250.0 0</b>		

**DISBURSEMENTS****Expected Disbursements (in US \$) (Absolute)**

Year	Original Estimation at Preparation (Approval Package – 30 Mar 2023)	Revised Estimation	Actual
FY2023	400,000.00	0.00	0.00
FY2024	54,500,000.00	5,000,000.00	5,000,000.00
FY2025	75,000,000.00	70,000,000.00	0.00
FY2026	85,000,000.00	112,500,000.00	0.00
FY2027	95,000,000.00	112,500,000.00	0.00
FY2028	88,750,000.00	70,000,000.00	0.00
FY2029	0.00	5,000,000.00	0.00
FY2030	0.00	6,030,000.00	0.00

**ENVIRONMENTAL & SOCIAL****Environmental & Social Assessment**

According to the E/S Specialist are there changes proposed to the operation's design that would impact the Bank's E&S assessment?"

No





RESULTS

MADAGASCAR

Digital and Energy Connectivity for Inclusion in Madagascar Project

PDO Indicators by PDO Outcomes

Expand access to renewable energy services								
Indicator Name	Baseline		Actual (Previous)		Actual (Current)		Closing Period	
	Result	Month/Year	Result	Date	Result	Date	Result	Month/Year
Revise Million of people provided with access to electricity (Number)	0.00	Dec/2021	0.00	13-Dec-2023	0.00	19-May-2024	10	Mar/2028
Expand access to digital services								
Indicator Name	Baseline		Actual (Previous)		Actual (Current)		Closing Period	
	Result	Month/Year	Result	Date	Result	Date	Result	Month/Year
Revise People provided with new or enhanced access to broadband internet (Number)	0.00	Mar/2023	0.00	13-Dec-2023	0.00	19-May-2024	3,400,000.00	Jun/2028
People provided with new or enhanced access to broadband internet – Female (Number)	0.00		0.00		0.00		1,800,000.00	
People provided with new or enhanced broadband internet access in rural areas (Number)	0.00	Mar/2023	0.00	13-Dec-2023	0.00	19-May-2024	1,500,000.00	Mar/2028
	Comments on achieving targets		Measures number of people provided with new or enhanced broadband internet access in rural areas					



Intermediate Results Indicators by Components

1. Expanding Energy and Digital Infrastructure <sup>Revised</sup>								
Indicator Name	Baseline		Actual (Previous)		Actual (Current)		Closing Period	
	Result	Month/Year	Result	Date	Result	Date	Result	Month/Year
Generation capacity of energy constructed or rehabilitated (Megawatt)	0.00	Mar/2021	0.00	13-Dec-2023	0.00	19-May-2024	27.00	Mar/2028
<sup>Revise</sup> Renewable energy generation capacity constructed under the project (Megawatt)	0.00	Mar/2021	0.00	13-Dec-2023	0.00	19-May-2024	27.00	Mar/2028
New or improved electricity connection for female-headed households (Percentage of households connected.) (Percentage)	0.00	Mar/2021	0.00	13-Dec-2023	0.00	19-May-2024	28.50	Mar/2028
	Comments on achieving targets		Measures percentage of new or improved electricity connection for female-headed households					
Percentage of the population that is covered by a broadband cellular signal (3G+) (Percentage)	67.00	Mar/2021	69.86	11-Dec-2023	69.86	19-May-2024	80.00	Mar/2028
	Comments on achieving targets		This indicator measures the percentage of the population that lives in areas covered by fast broadband mobile signal (3G, 4G, 5G +)					
Mobile broadband penetration rate (unique subscribers) (Number)	26.00	Jun/2022	26.00	11-Dec-2023	26.00	19-May-2024	32.00	Mar/2028
	Comments on achieving targets		"Unique" mobile-broadband subscriptions per 100 inhabitants					
<sup>Revise</sup> Households provided with new or improved isolated grid & mini-grid electricity access (Number)	0.00	Mar/2023	0.00	13-Dec-2023	0.00	19-May-2024	90,000	Mar/2028
	Comments on achieving targets		Measures number of households provided with new or improved isolated grid & mini-grid electricity access					
<sup>New</sup> Dispatching Center and Distribution Control Center constructed and commissioned (Yes/No)	No	May/2024			No	19-May-2024	Yes	Mar/2028
	Comments on achieving targets		Measures effectiveness of SCADA establishment					
	0.00	Mar/2023	0.00	13-Dec-2023	0.00	19-May-2024	1,100,000.00	Mar/2028



Revise Households and businesses provided with new off-grid electricity access (Number)	Comments on achieving targets		Measures number of households and businesses provided with new off-grid electricity access					
	0	May/2024			5	19-May-2024	34	Mar/2028
New Transmission lines constructed under the project (Kilometers)	Comments on achieving targets		Measures number of kilometers of transmission line constructed					
<b>2. Enhancing Energy and Digital Inclusion</b> <small>Revised</small>								
Indicator Name	Baseline		Actual (Previous)		Actual (Current)		Closing Period	
	Result	Month/Year	Result	Date	Result	Date	Result	Month/Year
New Number of people obtaining advanced digital skills certification (Number)	0.00	Dec/2021			0.00	19-May-2024	5,000.00	Mar/2028
	Comments on achieving targets		This indicator measures the number of beneficiaries that receive advanced certification for a digital training, under the project.					
Affordable digital devices distributed under the project (Number)	0.00	Dec/2021	0.00	13-Dec-2023	0.00	19-May-2024	830,000.00	Mar/2028
	Comments on achieving targets		This indicator measures the number of affordable digital devices (feature phones, laptops, smartphones) distributed under the project, notably through the device affordability financing scheme under sub-component 2.1. This is disaggregated by gender.					
Affordable digital devices distributed under the project to women and girls (Number)	0.00	Dec/2021	0.00	13-Dec-2023	0.00	19-May-2024	500,000.00	Mar/2028
	Comments on achieving targets		See main indicator definition					
New Including to civil servants (Number)	0.00	Dec/2021			0.00	19-May-2024	20,000.00	Mar/2028
Revise Number of schools, healthcare centers and Government ministries departments and agencies provided with new or enhanced broadband internet access, under the project (Number)	0.00	Dec/2021	0.00	13-Dec-2023	0.00	19-May-2024	1,500	Mar/2028
	Comments on achieving targets		This indicator measures the number of institutions (MDAs, schools and healthcare centers) that are provided with new or enhanced broadband internet access, under the project					
Revise Health centers and schools provided with new electricity service under the project (Number)	0.00	Mar/2021	0.00	13-Dec-2023	0.00	19-May-2024	2,250	Mar/2028
	Comments on achieving targets		Measures number of health centers and schools connected to grid and off-grid solutions					



Number of beneficiaries who received digital literacy trainings (Number)	0.00	Mar/2022	0.00	13-Dec-2023	0.00	19-May-2024	20,000.00	Mar/2028
	Comments on achieving targets		This indicator measures the number of beneficiaries that are provided with digital literacy courses, under the project.					
Number of women and girls beneficiaries who received digital literacy trainings (Number)	0.00	Mar/2021	0.00	13-Dec-2023	0.00	19-May-2024	12,000.00	Mar/2028
	Comments on achieving targets		Derived from main definition, but measuring only the number of women and girls					
Number of enterprises and FIs that have received loans/credits from the Fund Manager (Number)	0.00	Mar/2023	0.00	13-Dec-2023	0.00	19-May-2024	8.00	Mar/2028
	Comments on achieving targets		Measures number of renewable energy and digital enterprises and financial institutions that have received loans/credits from the Fund Manager to expand energy and digital access for the target populations					
Fund Manager has operational tracking system to monitor portfolio quality of loans/credit extended to enterprises and FIs (Yes/No)	No	Mar/2023	No	13-Dec-2023	No	19-May-2024	Yes	Mar/2028
	Comments on achieving targets		Measures whether the Fund Manager has operationalized a risk tracking system to monitor the portfolio quality of participating FIs and enterprises					
<b>4. Project Management and Implementation Support</b>								
Indicator Name	Baseline		Actual (Previous)		Actual (Current)		Closing Period	
	Result	Month/Year	Result	Date	Result	Date	Result	Month/Year
Private Capital Mobilized under the project (Amount(USD))	0.00	Dec/2021	0.00	13-Dec-2023	0.00	19-May-2024	30,000,000.00	Mar/2028
	Comments on achieving targets		This indicator measures the private sector capital investments that are mobilized through project initiatives. It covers all components and both energy and digital. The measurement of private capital mobilized (PCM) will follow WBG guidelines on eligibility for inclusion and attribution. Examples would include, for instance, private capital committed as part of the reverse auctions planned under sub-component 1.2					
Percentage of grievances receiving a satisfactory response within the target time limit (%) (Percentage)	0.00	Mar/2021	0.00	13-Dec-2023	0.00	19-May-2024	90.00	Mar/2028
	Comments on achieving targets		Measures response rate to GRM complaints					
<b>3. Supporting the Enabling Environment for Green Energy and Digital Infrastructure</b>								
Indicator Name	Baseline		Actual (Previous)		Actual (Current)		Closing Period	
	Result	Month/Year	Result	Date	Result	Date	Result	Month/Year
Price of 1 Gb of mobile data, as percentage of GNI per capita (Percentage)	3.50	Feb/2022	4.65	11-Dec-2023	4.65	19-May-2024	1.50	Mar/2028
	Comments on achieving targets		This indicator measures the price of 1 Gigabyte (Gb) of mobile broadband data per month, as expressed as a percentage of monthly GNI per capita. The price is typically measured as an average of market offers, using the					



			methodology developed by ITU. Price data for the current year would be divided by GNI per capita data for the previous year					
Standards for climate-resilient energy and digital infrastructure adopted (Yes/No) (Yes/No)	No	Mar/2021	No	13-Dec-2023	No	19-May-2024	Yes	Mar/2028
	Comments on achieving targets		Whether standards for climate-resilient energy and digital infrastructure have been adopted by the relevant regulatory bodies					
JIRAMA's connection policy updated and extended to classic connection (Yes/No) (Yes/No)	No	Mar/2021	No	13-Dec-2023	No	19-May-2024	Yes	Mar/2028
	Comments on achieving targets		Measures whether the GoM has adopted connection policy extended to classic connection that will be applicable nationwide and will provide the process for, and cost to consumers of connections .					