PROJECT TITLE: TECHNICAL ASSISTANCE FOR REGIONAL CLIMATE RESILIENCE PROGRAM (SERIES OF PROJECTS, P180171

COUNTRY/REGION: MOZAMBIQUE, MADAGASCAR, COMOROS

MDB: WORLD BANK

PILOT PROGRAM FOR CLIMATE RESILIENCE
BUSINESS DEVELOPMENT FOR RESILIENCE PROGRAM
COVER PAGE FOR PROJECT FUNDING APPROVAL REQUEST

1. **Country/Region:**	Mozambique, Madagascar, Comoros	2. **CIF Project ID#:**	*(Trustee will assign ID)*
3. **Type of CIF Investment:**	**Public** x		**Private** o
4. **Project/Program Title (same as in CCH):**	Technical Assistance for Regional Climate Resilience Program (Series of Projects, P180171)		
5. **Indicate Track*:**	**1C**		
6. **Sector/Theme:**	**Water Resources Management, Disasters Risk Management, Climate, Social Protection**		
7. **Project Lifetime:**	**24 months**		
8. **Is this a private sector program composed of sub-projects?**	**Yes**		
	No	**x**	
9. **Funding Request from PPCR (in USD) including PPG:**	*Grant:*	1,000,000	
	Non-Grant:		
	Total:		
	Amount allocated for PPG:		

Financial Product	**USD** (million)	**EUR** (million)[b]
Grant	1,000,000	
Fee on grant		
MPIS (for private sector only)		
Public sector loan – Senior loan		
First loss guarantees		
Second loss guarantees		
Equity		
Senior loan		
Senior loans in local currency hedged		
Subordinated debt / mezzanine instruments with income participation		
Subordinated debt/mezzanine instruments with convertible features		
Convertible grants and contingent recovery grants/loans		
Other (please specify)		
Total	1,000,000	

10. **Implementing MDB(s):**	World Bank	
11. **Other MDB Involvement:**	*MDB: N/A*	*Type of Involvement:*

12. **National/[Regional] PPCR Focal Point, if applicable:**	Madagascar: Mamy Nirina Razakanaivo, Executive Secretary, CPGU (Emergency Prevention and Management Unit) Mozambique: Jadwiga Massinga, National Director of Climate Change, Ministry of Land and Environment	
13. **National/[Regional] Executing Agency[1] for project:**	Mozambique: National Directorate of Water Resources, Ministry of Public Works. Housing, and Water Resources Comoros: Ministère Eau, Assainissement et Hygiene (MEAH) Madagascar: Ministry of Land-Use and Urban Planning, in charge of Land issues and Land Transport	
14. **MDB PPCR Focal Point and Task Team Leader (TTL):**	*Headquarters-PPCR Focal Point:* Zhihong Zhang, Senior Carbon Finance Specialist, World Bank	*TTL:* Laura Bonzanigo, Senior Water Resources Management Specialist, SAEW2, World Bank
15. **Project Description and Justification for Funding:**		

Under this section:

1. *Provide project description*
2. *Elaborate how the proposed project is consistent with the strategic objectives of BDRP and eligible activities under a particular track (Track1A, 1B, or 1C) as described under the Options paper.*
3. *Justify the rationale for PPCR funding to ensure it is not utilized as a substitute to regular MDB financing or other bilateral funds that are already intended to support technical assistance and capacity building components in MDB projects to ensure success.*

The Eastern and Southern Africa Region (ESAR) is highly exposed to extreme weather, climate, and water-related events. These include droughts and floods; severe convective storms accompanied by heavy rain, lightning, hail and strong winds; and tropical storms and cyclones causing storm surges, strong wind and heavy rainfall. The Region's demographic shift, development trends, and other factors contribute to the ESAR's vulnerability to climate events, including inadequate institutional and regulatory frameworks and socioeconomic conditions. The exacerbating effects of climate variability and change pose additional challenges to the resilience of vulnerable communities, as well as to the financial and fiscal sustainability of the region's governments.

In response to those challenges, the proposed program aims to strengthen the resilience of vulnerable populations in the ESAR by reducing exposure to climate-related risks and increasing the countries' capacity for preparedness (from system to community level).

The proposed Regional Climate Resilience Program (RCRP) that this grant would help prepare and implement will include a menu of options for each country to tailor their approach based on their needs and capacities, whilst sharing a common regional objective around three main pillars of action:

- Component 1. Risk Management and Climate Financing
- Component 2. Infrastructure Investments and Sustainable Asset Management for Climate Resilience
- Component 3. Adaptive Climate Services for Resilient Communities

The Program is a Series of Projects (SOP), with a total envelope between US$800 million and US$1 billion from IDA and other donors. Discussions on donors' contributions are ongoing. The first operation of the SOP, under preparation and to be approved in May 2023, includes Mozambique, Madagascar, Comoros, and the Southern

[1] This can be a Government agency or a private sector firm.

African Development Community (SADC). Several other countries, including Malawi, Tanzania, and Ethiopia, and the African Union have expressed a strong interest to join the second phase of the SOP.

The PPCR funding will support implementation of SOP1 and inform the design of follow-up SOP operations, by financing the design of innovative investments to address key climate risks, including how to prioritize and mainstream climate resilience in development planning and in the design and operation of investments, and also help design climate-sensitive social protection programs. This grant will fill a critical gap and provide key technical assistance otherwise not available. The main activities include:

1. **PREPARING FOR THE REGIONAL INTEGRATION OF CLIMATE RESILIENCE ACTIONS ($450,000)**
   1.1. **Rapid appraisal of the investments required to scale up early-warning systems for disaster risk reduction in ESAR**. This will focus on (i) developing a protocol for the collection and harmonization of baseline data and (ii) identifying opportunities to scale-up hydrometric networks. Comoros, Madagascar, and Mozambique are all on the South-West Indian Ocean tropical cyclone path and have in recent years been experiencing more frequent and devastating damages (notably Cyclone Idai). The impact of climate change across the borders has resulted in strong demand for shared, regional solutions – with the expectation of other highly vulnerable countries (e.g., Malawi) joining in a second phase, deepening connections also at transboundary level (with downstream Mozambique in particular). Based on the country context, this sub-activity will investigate the investment opportunities and readiness for Hydromet in each selected country including ways to leverage the existing regional databases and national early warning systems as well as the mainstreaming of new technologies (e.g., remote sensing, drones, the Internet of things). The outcome of this study will support the design and implementation of Component 1 of the RCRP. A similar grant for Madagascar on Strengthening Early Warning Systems and Disaster Preparedness was already approved and the two will work in tandem to maximize impact.
   1.2. **Institutional analysis for regional climate resilience in ESAR including stakeholder mapping exercise.** Based on multi-stakeholder consultations across countries, this sub-activity will include a comprehensive examination of relevant institutions in selected countries as well as their connections with SADC to clarify the role that SADC can play in regional collaboration and coordination. By mapping different stakeholders based on respective interests in and influence on climate actions, this analysis will help to identify the "promoter" and "defender" of the climate policies, which will be foundational for the design and implementation of the institutional framework of the RCRP. This sub-activity supports Component 1 of the RCRP.
   1.3. **Planning for climate resilience**. An important element of the program is supporting the client countries to improve planning for climate resilience. Under this activity, global expertise of the latest methodologies for planning for climate resilience will be brought to clients, via technical support (i.e., for developing TORs and reviewing planning exercises) and training (via workshops, south-to-south exchanges, hands on trainings). This sub-activity supports Component 2 of the RCRP.

2. **STRENGTHENING INCLUSION IN A CHANGING CLIMATE [$150,000]**

As guided by Country partnership Framework and World Bank Gender strategies, countries joining the RCRP will be supported to prepare to cross-border climate-related disasters and related challenges in a cross-sectoral integrated and inclusive manner. Policies that jointly address social challenges (e.g., gender inequality, poverty, climate-vulnerable groups living along the coasts) and vulnerability to climate risks are currently lacking, and there is very little knowledge of the potential for climate adaptation to foster inclusion. The understanding of these sector-specific social challenges especially for vulnerable groups (including women, minorities, and persons with disabilities) will help include a strengthened social protection element into the disaster risk reduction programs in participating countries.

   2.1. **Gap analysis on the climate change impacts on vulnerable groups especially women in selected sectors (e.g., health, fisheries, agriculture, forestry) in the participating countries.** Considering the additional social vulnerability and cultural and ethnic complexities in ESAR, women and other vulnerable groups here usually have lower socioeconomic status, limited societal voice, and less access to knowledge and information, that is needed to adapt to, mitigate, and recover from climate change. This requires a better understanding of where the gender gaps persist in households, markets, and formal/informal institutions, and what are the key constraints that must be lifted for the gaps to narrow to empower vulnerable groups to adapt to climate change. This enhanced understanding of sector-specific gender issues and other social dilemmas exacerbated by climate change is key to achieve program impact and will support Component 3.

2.2. **Technical guidance notes for a new regional policy/regulatory framework that can mainstream climate resilience and empower climate-vulnerable groups, particularly in social protection programs**. This is to help harmonize climate policies and regulations in ESAR countries and encourage the countries to learn from each other, with SADC playing an important coordination role in the notes' dissemination. This framework is expected to set out a series of procedures and targets to advance climate actions and improve the adaptability and resilience of local communities to climate change and related environmental shocks, especially vulnerable and marginalized groups like women, minorities, climate migrants, and persons with disabilities. This sub-activity will support Component 3 of the RCRP in Comoros, Madagascar, and Mozambique.

3. IMPROVING O&M TECHNICAL STANDARDS FOR INFRASTRUCTURE RESILIENCE. [$150,000]

In AFE, the chronic lack of infrastructure maintenance is widespread due to the insufficient annual budget of public agencies, which compounds the vulnerability of these assets caused by inadequate design to both historical and future climate conditions. Maintenance is notably needed. There is currently no approach to incorporating climate change considerations, such as changing hydrological variability, frequency of extremes and non-stationarity, in the O&M technical standards of critical water infrastructure, such as dams and embankments. These sub-activities contribute to Component 2.

3.1 **Gap analysis and evaluation of O&M technical standards for protective assets and storage in participating countries.**

3.2 **Technical guidance notes for updating O&M technical standards to ensure asset resilience, including the financial and community participation aspects.** Based on the Gap Analysis' findings, this sub-component will help harmonize asset management policies and regulations in ESAR countries and encourage the countries to learn from each other, especially when it comes to incorporating climate change considerations in their asset management plans. SADC will contribute to the dissemination of the standards and south to south knowledge exchanges.

4. LEVERAGING CLIMATE INVESTMENTS FOR PUBLIC GOODS [$250,000)]

4.1. **Identification of feasible nature-based solutions (NBS) for enhancing the climate resilience of coastal ecosystems.** RCRP will finance protective and storage infrastructure in participating countries, with most works to be financed in the second operation of the SOP. This first operation is thus critical for the preparation and design of appropriate solutions, including supporting feasible NBS. This will be particularly important in Comoros, considering the high value of its biodiversity and natural capital for its islands. This grant will support the identification of NBS (e.g., living shorelines, mangroves and wetlands protection, forest management and reforestation) for regulating flood and reducing coastal erosion in coastal ecosystems where appropriate, in participating countries. This sub-activity will include cost-benefit analysis to identify high-return hybrid solutions that integrate green and grey infrastructures and at the same time protect the endemic species, and their habitats. This work will inform the development of a coastal master plans/drainage master plans in Comoros that will also inform other coastal countries in Southeast Africa, and integrated flood management plans in non-coastal countries, supporting Components 2 of RCRP.

As elaborated in each sub-activity, this grant will provide critical technical assistance to strengthen the impact of each RCRP components in Comoros, Madagascar, and Mozambique and: 1) improve the enabling conditions for regional collaboration on climate resilience efforts; 2) include climate considerations in existing social programs; and 3) leverage the impacts of the RCRP through careful and innovative design of climate-resilient infrastructure and effective O&M key for their sustainability. Table 1 summarizes the links between the RCRP Components and the activities proposed for PPCR support.

Table 1. Links between the RCRP components and the PPCR-funded activities.

REGIONAL CLIMATE RESILIENT PROGRAM	PPCR-FUNDED ACTIVITIES
COMPONENT 1. Risk Management and Climate Financing	
1.1. Climate and disasters risk management	1.1. Rapid appraisal of the investments required to scale up the early-warning systems for disaster risk reduction in ESAR.
1.2. Climate financing	1.2. Institutional analysis for regional climate resilience in ESAR including stakeholder mapping exercise
COMPONENT 2. Infrastructure Investments and Sustainable Asset Management for Climate Resilience	
2.1. Enhancing institutional capacity for long term climate risk management	1.3. Planning for climate resilience.
2.2. Closing the climate resilient infrastructure gap	4.1. Identification of feasible nature-based solutions (NBS) for enhancing the climate resilience of coastal ecosystems.
2.3. Sustainable asset management	3.1 Gap analysis and evaluation of O&M technical standards for protective assets and storage in participating countries. 3.2 Technical guidance notes for updating O&M technical standards to ensure asset resilience, including the financial and community participation aspects.
COMPONENT 3. Adaptive Climate Services for Resilient Communities	
3.1. Empowering communities to manage climate risk	2.1. Gap analysis on the climate change impacts on vulnerable groups especially women in selected sectors
3.2. Mainstreaming climate resilience in social protection programs	2.2. Technical guidance notes for a new regional policy/regulatory framework that can mainstream climate resilience and empower climate-vulnerable groups, particularly in social protection programs

The project is consistent with the strategic objectives of BDRP and eligible activities under Track 1C: Provide project preparation grants for projects identified in SPCRs which remain unfunded and/or critical technical assistance grants to pursue the objectives of the SPCRs of PPCR pilot countries.

The grant is highly complementary to the recently approved PPCR preparation grant for Strengthening Early Warning Systems and Disaster Preparedness in Madagascar, whose outputs will also inform the preparation of the RCRP program. This grant will also support the preparation of the investment projects (IP) outlined in Country's Strategic Program for Climate Resilience (SPCR) which remain unfunded but are aligned with the Program's objectives. They include but are not limited to Mozambique SPCR - IP2 (Coastal Cities and Climate Change), IP3 (Transforming the hydro-meteorological services), and IP7 (Developing the climate resilience of rural communities) and Madagascar SPCR - IP1 (Strengthening Hydromet Services) and IP3 (Strengthening Climate Resilience of Coastal Cities). This grant will also leverage the impacts of the PPCR investments for larger regional impacts.

16. **Objective:**

The objective of the grant is to accelerate the preparation and implementation of the Regional Climate Resilience Program with a focus on improved enabling conditions and designs for regional integration, social protection, and innovative financing.

17. **Is the proposed TA/Project linked to an ongoing MDB project or an MDB project under preparation?**	**Yes ☒**	**No ☐**
18. **If yes, which project is it linked to and what is the project status (i.e., ongoing or under preparation)?**	Regional Climate Resilience Program for Eastern and Southern Africa (RCRP, P180171, approved in May 2023)	
19. **Expected Date of MDB Approval:**	*May 24, 2023. The second phase is planned for December 2023.*	

20. **Expected Outcomes**

Expected outcomes of the grant are:

- Improved ex-ante risk financing capacity (from regional to local level, including for maintenance)
- Improved climate-sensitivity of social protection programs
- Improved regional and local knowledge exchange and integrated collaboration for climate actions
- Effective assistance to the preparation of the respective investment operations in targeted RCRP countries.

21. **Key Results and Indicators for Success** (consistent with PPCR Core indicators, and including indicators disaggregated for women and men, and if relevant vulnerable and excluded groups including ethnic and racial minorities, persons with disabilities, Indigenous Peoples, etc.)

Result	Indicator and Targets
1. Improved understanding of scale-up opportunities for regional early warning systems for RCRP countries (i.e., Madagascar, Mozambique, and Comoros).	Number of climate-resilient solutions and tools (e.g., early warning system, hydro-met) supported [Target: 2]
2. Strengthened regional coordination on climate adaptation	Regional meetings supported by the grant (bi-annual), at least one of which on climate financing opportunities

3. Improved access to information for vulnerable households in selected areas	Protocol for improved dissemination of climate information with targeted measures for socially excluded groups developed [1] Number of Community-level climate change trainings and awareness raising completed, with the participation of women, minorities, and persons with disabilities, disaggregated by gender [4] Number of people reached by the TA's awareness-raising activities and trainings [4]
4. Improved design of social protection program that mainstream climate resilience and empower climate vulnerable groups.	Number of national, sectoral, and local policies/ plan strategies/ social protection programs/frameworks that integrate climate change based on the technical guidance note developed under this PPCR project. [1]
5. Improved design for the climate-resilient infrastructure in RCRP countries considering the needs of marginalized and vulnerable groups.	Feasibility studies completed for priority infrastructure that integrate climate change considerations and state of the art methodologies for climate resilient and accessible designs [3]

22. **Budget:**

Expenditures[2]	**Amount (USD) -** estimates	
(Provide detailed expenditure items)		
Consultant services	$800,000	
Knowledge Exchange and Dissemination	$100,000	
Logistics	$50,000	
Contingencies (max. 10%)	$50,000	
Total Cost	$1,000,000	
Co-Financing[3]:	*Amount (USD*	*Type of contribution:*
• Government		
• MDB	382,400,000	This is the total IDA envelope of SOP1 of the RCRP
• Private Sector		
• Others (please specify)		
Co-Financing Total	$382,400,000	

23. **Role of other Partners involved in project[4]:**

In Madagascar and Comoros, Agence française de développement (AFD) will support the regional integration of early warning systems through liaising with the regional expertise center in Reunion. AFD will furthermore assist in linking the proposed regional project with ongoing physical hydromet investment programs. Conversations are ongoing with other partners interested in joining the Program, including the Ministry of Foreign Affairs of the Netherlands in Mozambique, the Asian Infrastructure Investment Bank (AIIB), UK FCDO, SAFFE (Scaling Adaptation Finance in Fragile Environments), and CIWA (Cooperation in international waters in Africa).

24. **Implementation Arrangements (incl. procurement of goods and services):**

For this grant, all the procurement will be Bank-executed. It will include mostly consulting services and logistics – goods include only communication material.

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2 Expenditure categories should be provided by the MDBs based on own procedures.
3 This includes in-kind contributions (monetary value), MDB loan or grant, parallel financing, etc.
4 Other local, national and international partners to be involved in implementation of the project.

25. **Stakeholder Engagement**

The activities will be carried out in strong coordination with participating countries, including the organization of virtual and in-person workshops (at the regional level) during the implementation of the grant.

26. **Gender and Social Inclusion Considerations and Expected Results:**

Elaborate how the proposed project will support impact on gender and social inclusion. These include (i) gender context of project and sector-specific gender gaps (linked to the project objective) that the project will reduce; and (ii) specific project activities included to reduce these gaps; and (iii) plans for monitoring of gender and social inclusion results.

ESAR is especially vulnerable to climate change and climate-induced water scarcity considering its large reliance on agriculture and direct support of natural resources for livelihoods. Women are usually more vulnerable to climate change and water-related hazards as they usually assume the key role of fetching water for the family and completing other daily routines where water use is indispensable (e.g., washing and cooking). With the low quality of service in education, health, and social protection, the adverse impacts of climate change in ESAR will hit the communities even harder. Gender inequality including unequal access to human endowments, economic opportunities, voice, and agency as well as the increased threat of gender-based violence will be exacerbated by climate uncertainties. The gap analysis (sub-activity 2.1) proposed in this project will tackle this issue by identifying sector-specific gender issues in changing climates. Key sectors will be identified based on socio-economic context of targeted countries. For example, the Mozambique context may reveal gender-related issues in the health sector, fishing, and forestry, as identified in SPCR.

Other climate-vulnerable groups, including rural communities, coastal residents, and indigenous groups, will benefit from improved design of social protection programs based on the technical notes developed through this proposed grant (sub-activity 2.2). This includes the enhancement of decision-making rights, insurance protection, and opportunities for diversified livelihoods for climate-vulnerable groups for alternative as well as customary rights of using natural resources for Indigenous groups.

The identification of nature-based solutions for coastal resilience to climate change (sub-activity 3.1) will also help to reduce the risks for climate-vulnerable groups. As specified in section 18 "**Key Results and Indicators for Success:** the results of gender and social inclusion can be monitored through indicators for results 3 & 4. They are: "*Number of people supported by the grant to cope with the effects of climate change, disaggregated by sex and poverty level*" which will be monitored through the reader survey on the gap analysis report and "*Number of social protection programs that integrate climate change based on the technical guidance note developed under this PPCR project*", which will be monitored through government statistics.

27. **Other Information:**

The RCRP program supported by this grant also complements, builds on, and will be complemented by other regional programs, which include:

- Horn of Africa Groundwater for Resilience Project MPA to increase the sustainable access and management of groundwater in the Horn of Africa's borderlands. .
- Food System Resilience Program MPA, to increase the resilience of food systems and preparedness for food insecurity in Project areas. Phase 1 approved in FY22 (P178566) includes Ethiopia and Madagascar; Phase 2 under preparation includes Tanzania (P179818), Phase 3 under preparation includes Mozambique, Comoros, and Malawi (P176816).
- Kariba Dam Rehabilitation Project (P146515)

- Enhancing Community Resilience and Local Governance Project Phase II (P177093)
- AFCRI-Sustainable Groundwater Management in SADC Member States (P127086, P175355).
- Ongoing cooperation with the Nile Basin Initiative, under (i) AFCRI-Nile Cooperation for Results Project (P130694) and (ii) Nile Cooperation for Climate Resilience (P174867).
- Girls' and Women's Economic Empowerment in Eastern and Southern Africa (P179293), under preparation, aimed at increasing girls' and women's educational attainment, decision-making power, and labour earnings in the program areas.

***Track 1A**: Develop innovative private sector initiatives with a climate resilience focus (maximum $5 million)*

***Track 1B**: Support Technical Assistance for Ministries of Finance, Planning and other key line ministries, to mainstream climate risk management and resilience into economic planning and development (maximum $1 million)*

***Track 1C**: Provide project preparation grants for projects identified in SPCRs which remain unfunded and/or critical technical assistance grants to pursue the objectives of the SPCRs of PPCR pilot countries. (maximum $1 million)*

NOTES:
[a] This cover page is to be completed and submitted together with the MDB project/program proposal when requesting SCF funding approval by the Technical Committee/GCAP Sub-Committee
[b] For products denominated in EUR, please also provide USD equivalent in the column to the left
[c] Please provide the information in the cover page or indicate page/section numbers in the accompanying project/program proposal where such information can be found.
[d] Insert "not applicable" (N/A) if dates cannot be determined at the time of submission (e.g. private sector programs)
[e] Insert value N/A if indicator is not applicable to the project/program.