



CTF – DPSP (V-FUTURES)

**PROJECT TITLE: ADVANCING INDUSTRIAL DECARBONIZATION THROUGH INNOVATIVE
TECHNOLOGIES**

COUNTRY: GLOBAL

MDB: INTERNATIONAL FINANCE CORPORATION

Cover Note for CTF Project/Program Approval Request Dedicated Private Sector Programs (DPSP V-FUTURES)			
Country/Region	Global	CIF Project ID#	Auto Generated by CCH
For Regional/Global (country classification) Please list all applicable sub-countries under Regional/Global country tagging (separated by semicolon ";")	All CIF Countries; indicative sub-countries include but are not limited to Morocco; India; Colombia; Egypt; Brazil		
Tier ¹	<input checked="" type="checkbox"/> Tier 1	<input checked="" type="checkbox"/> Tier 2	<input checked="" type="checkbox"/> Tier 3
Type of CIF Investment:	<input type="checkbox"/> Public <input checked="" type="checkbox"/> Private		
Project/Program Title	Advancing Industrial Decarbonization through Innovative Technologies		
Sector/Pillar (Please select all that apply)	<input checked="" type="checkbox"/> Enabling Environment <input checked="" type="checkbox"/> Energy Efficiency <input checked="" type="checkbox"/> Energy Storage <input checked="" type="checkbox"/> Renewable Energy <input checked="" type="checkbox"/> Renewable Energy/ Energy Efficiency <input checked="" type="checkbox"/> Transport <input type="checkbox"/> Other (_____)		
Technology/Area (Please select all that apply)	<input checked="" type="checkbox"/> End Use <input type="checkbox"/> District Heating <input type="checkbox"/> Smart Grid <input checked="" type="checkbox"/> Capacity Building <input type="checkbox"/> Multiple <input type="checkbox"/> Batteries <input type="checkbox"/> Hydro <input checked="" type="checkbox"/> Green Hydrogen <input type="checkbox"/> Geothermal <input type="checkbox"/> Wind <input type="checkbox"/> Solar <input type="checkbox"/> Hydropower <input type="checkbox"/> Cookstoves <input type="checkbox"/> Waste to Energy <input type="checkbox"/> Bioenergy <input checked="" type="checkbox"/> Mixed RE <input type="checkbox"/> Green Fuels <input type="checkbox"/> Modal Shift <input type="checkbox"/> Vehicle Technologies <input type="checkbox"/> Mass Transit <input type="checkbox"/> Electric Vehicles <input type="checkbox"/> Other (_____)		
Project Lifetime (MDB Board/Management) approval to project closure) (in years)	25		
Is this a private sector program composed of sub-projects?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		
Financial Products, Terms and Amounts			
	USD (million)	EUR (million)	
PPG (Project Preparation Grant)			
Grant			
MDB Project Implementation and Supervision Services (MPIS) ²	1.2		
First loss guarantee			
Second loss guarantee			
Equity			
Senior loan			
Senior loan in local currency hedged			

¹ Country Tier definition as Per FY25 approved [Pricing policy](#) (page 8,9,19-25)

² MPIS - CIF Operational Modalities For New Strategic Programs [here](#)

Senior loan in local currency unhedged (EXCEPTIONAL REQUEST)		
Subordinated debt/loan/ mezzanine instrument with income participation	60	
Subordinated debt/loan / mezzanine instrument with income participation local currency unhedged (EXCEPTIONAL REQUEST)		
Subordinated debt/loan /mezzanine instrument with convertible features		
'Convertible/contingent recovery' grant/loan/guarantee (loans convertible to grants or vice versa)		
Convertible Loans (convertible to equity only)		
For loans and guarantees – is this a revolving structure? ^[3] <input type="checkbox"/> Yes <input type="checkbox"/> No		
Specify local currency type here		
Other (please specify)		
Total	61.2	
Co-financing		
	Please specify as appropriate	Amount (in million USD)
MDB 1	International Finance Corporation	150
MDB 2 (if any)		
Government		
Private Sector		651
Bilateral		
Others (please specify)		
Total Co-financing		801
CIF Funding		60
Total Financing (Co-financing + CIF Funding)		861
Proportion of Total Financing for Adaptation		
Proportion of Total Financing for Mitigation^[e]		
CIF Financial Terms and Conditions Policy	Link Is this request in accordance with the CIF Financial Terms and Conditions Policy? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No (if no, please specify detailed information under the justification section)	
Justification (exceptional request) ^{[c][d]}		

³ With a revolving structure, after the loan or guarantee matures, instead of returning the funds to the Trustee, the funds are redeployed as a new loan or guarantee.

Implementing MDB(s) <i>(please enter full name, job title and email address)</i>	
MDB Headquarters-Focal Point:	Tendai Madenyika Andrey Shlyakhtenko
MDB Task Team Leader (TTL)	Pranab Ghosh
National Implementing Agency <i>(please enter full name, job title and email address)</i>	
Country Focal Point/s	Private Sector
Brief Description of Project/Program (including objectives and expected outcomes)	
<p>IFC's proposed Advancing Industrial Decarbonization through Innovative Technologies Program (the "Program") has a global focus on selected priority CIF countries and is strategically designed to accelerate impactful decarbonization efforts across two critical categories of solutions:</p> <ol style="list-style-type: none"> 1. Technically Viable but Commercially Challenging Solutions: These solutions are technically sound but require concessional funding to achieve commercial viability. 2. Emerging Technical Solutions: These are innovative technologies still under development, needing venture capital and other risk mitigation strategies to scale to commercial operations. <p>The Program aims to capitalize on global opportunities by creating markets for innovative deep decarbonization projects, particularly those in the two categories mentioned above. Target markets may include Morocco, India, South Africa, Mexico, Colombia, Brazil, and others. By conducting coordinated activities across multiple CIF countries, the Program seeks to enhance the scalability and bankability of these technological solutions and business models. The focus will be on supporting and expanding a pipeline of deep decarbonization projects in countries where investment conditions are nearing viability, especially where governments are committed to advancing industrial decarbonization.</p> <p>This Program aligns with the objectives of the CTF Futures Window (DPSP V) and two main thematic investment areas – renewable energy plus (RE Plus) and emerging clean technology sectors. Established in 2022 as part of the Dedicated Private Sector Program (DPSP), the window utilizes resources from cancelled CTF operations to build on the successful track record of previous CTF investments, while offering flexibility to address emerging clean technology sectors. The window focuses on energy efficiency, RE Plus, and sustainable transport, and expands on the CTF DPSP model by supporting emerging technology sectors like GH2 and e-mobility.</p> <p>The pipeline and sub-projects targeted by the Program will align with efforts under IFC's Global Industrial Decarbonization Strategy (GIDS), developed to accelerate decarbonization efforts in hard-to-abate industries within emerging markets and developing economies (EMDEs). Additionally, the Program complements the World Bank Group's (WBG) creation of the Hydrogen for Development Partnership (H4D), a new global initiative to boost the deployment of low-carbon hydrogen in developing countries.</p>	

<p>IFC will ensure that activities under the Program synergize with work being undertaken under the respective CIF Country Investment Plans, the Nationally Determined Contributions (NDCs) under the Paris Agreement, as well as by other development partners and in line with Country Climate & Development Reports (CCDR). This alignment will help targeted countries meet their commitments under the Paris Agreement on Climate Change and the UN Sustainable Development Goals (SDGs).</p>	
<p>Consistency with CTF investment criteria (please refer to design document)⁴</p>	
<p>Please refer to Proposal Sections 2.1-2.13</p>	
<p>Additional CTF investment criteria for private sector projects/ programs</p>	
<p>a. Financial sustainability</p>	<p>Please see Section 2.10 of the Proposal</p>
<p>b. Effective utilization of concessional finance (including a detailed analysis on how the proposal meets the minimum concessionality principles, and on how it is aligned with the blended concessional finance principles)</p>	<p>Please see Section 2.11 of the Proposal</p> <p>For analysis on how the proposal meets the minimum concessionality principles and on how it is aligned with the blended concessional finance principles please see Section 2.12 of the Proposal</p>
<p>c. Mitigation of market distortions</p>	<p>Please see Section 2.12 of the Proposal</p>
<p>d. Risks</p>	<p>Please see Section 2.13 of the Proposal</p>
<p>For DPSP projects/programs in non-CTF countries, explain consistency with FIP, PPCR, or SREP Investment Criteria and/or national energy policy and strategy ^{[c][d]}</p>	
<p>Sub-projects under this Program will seek synergies, where practical, with work being undertaken under CIF Country Investment Plans, the Nationally Determined Contributions under the Paris Agreement, as well as by other development partners. Each sub-project will also be consistent with directions of the respective country's national energy policy and strategy.</p>	
<p>Social Inclusion and Stakeholder Engagement ^{[c][d]}</p>	
<p>Stakeholder engagement will take place at the sub-project development stage and will follow the IFC rules and procedures. The work will be organized in an effective way, similar to other projects undertaken by IFC in industrial decarbonization across number of countries..</p>	
<p>Gender Considerations ^{[c][d]}</p>	
<p>Gender Analysis (Please insert the text from the project document on the analysis of gaps in access to services, markets, and jobs by women in relation to the project sectors)</p>	<p>The Program will seek to promote gender equality in all associated investments. Through the gender flagging process, IFC will carry out a gender diagnostic to: i) identify gaps and opportunities, ii)</p>

⁴ Link to Future Window Design Document [here](#)

	<p>develop an action plan with clients, including key gender interventions to close the gender gaps and indicators to measure the effectiveness of those interventions, and iii) collect gender-disaggregated data to ensure that women and men have equal opportunities to access employment in the construction and operations of the projects, as well as in the surrounding communities, creating business value and securing influence and income for themselves. The Program will pay particular attention to gender equality when it comes to jobs creation through the acquisition of green and sustainable related skills and experience among local workers and communities.</p>
<p>Gender Activities (Please insert the text describing gender-specific activities included in the project)</p>	<p>As the proposal refers to a multi-country program and for the time being specific projects have not been identified, the proposed approach for gender is considered at Program level. The overall objectives of this approach are:</p> <ul style="list-style-type: none"> (1) Assess, address and monitor all projects for gender gaps and opportunities in the workforce, supply chain, and community level. (2) Support project teams to obtain the gender flag for each project. (3) Provide gender advisory services to support projects to close gender gaps and capitalize on opportunities (as needed). <p>IFC uses a gender flag at the phase of project design and explores opportunities with clients to close gender gaps through gender advisory during implementation. Below is a summary of the guidance for the application of the investment gender flag. Project-specific gender objectives will be designed after each project gender diagnostic.</p> <p>Guidelines for tagging a project with the Gender Flag</p> <p>To trigger the Gender Flag for a project, the project needs to be intentionally designed and implemented with explicit focus on closing gaps between women and men. The project and its related project cycle documents (IRM, Board Paper, etc.) therefore need to:</p>

	<p>(1) Incorporate a gender gap analysis – identify gap between men and women in terms of the relevant stakeholder groups (i.e., leaders, employees, entrepreneurs, consumers, community stakeholders) that the project can help reduce. Usually, this analysis includes a gender diagnostic/assessment and collection of data from public sources such as sustainability or annual reports; understanding of the compliance requirements at the country level and sector level and perception of staff around the gender approach of client.</p> <p>(2) Define at least one specific gender intervention – explain how the project will address the gender gap identified, highlighting what activity/ies will be specifically undertaken. Activities need to show intent in applying gender-smart solutions. Activities could either be undertaken by the client directly (pre- or post-disbursement), where the client would report back to IFC, or by the client in partnership with the IFC (such as through an Advisory engagement).</p> <p>(3) Include sex-disaggregated indicators to be measured as part of the project results framework – ensure appropriate gender-related indicators are being included and tracked. These gender-related metrics/objectives should also be reflected in the reporting requirements in different project legal or reporting documents with the client to ensure accountability.</p> <p>These three dimensions should be reflected in the Board Paper, in particular in the strategic context, the project description, additionality or the development impact sections. Where exactly the gender gap write-up will be featured most prominently will depend on the type of intervention, degree of impact or the additionality that can be associated with it. (Please note that Board Paper guidance includes gender-related questions.)</p> <p>As indicated in the proposal, each project under this program will go through the gender flagging process by</p>
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	<p>carrying out a gender diagnostic and develop its own gender action plan that defines concrete interventions, baseline data and targets.</p> <p>IFC will work with projects that will benefit from this program to reduce firm-level gender gaps and ensure gender equality is addressed.</p> <p>Based on an initial company gender diagnostic, gender gaps will be analyzed and presented to the company together with a set of recommendations on how to address these gaps. A gender diagnostic includes:</p> <ul style="list-style-type: none"> • Data collection using multiple sources such as internal information of the company on workforce, management, suppliers, communities and GBVH; public sources – country context, sector status in the country and globally, sustainability reports, other public information available. • Interviews with the heads of various departments within the company – HR, CSR, Procurement, Communication, Diversity, equity and inclusion (if any) • Separate Focus Group Discussions (FDG) with staff women, staff men and management if the focus is on workforce; with suppliers both women and men owned/led business if the focus is on supply chain; with community women and men if the focus is on communities and with customers women and men if the focus is on consumers/customers. • Analysis of data and findings and report back to the top management of the company with recommendations for improvement in key areas. <p>The gender diagnostic is led by IFC and conducted with client input and collaboration. As part of the gender diagnostic, IFC supports clients to prepare the gender action plan (GAP) based on the recommendations of the diagnostic, prioritized by the company. Training and capacity building for the client on gender as well as gender advisory for implementation of the GAP (as requested by the client) may be included as part of the assessment process.</p>
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<p>Gender Indicators (Please insert the text on selected gender specific indicators, including annual targets. from the Project Log Frame that the project is committing to report on)</p>	<p>Gender indicators will be developed at the sub-project level, depending on the issues and opportunities that are identified at the appraisal stage. Possible gender indicators include:</p> <p>Number of women employed in technical and leadership roles;</p> <p>Number of women trained in technical skills and green jobs;</p> <p>Number of companies (sub-project sponsor or investee companies) adopting management strategies to attract, retain, and develop skills among women in multiple functions, including technical, leadership and other roles with agency.</p>
<p>Just Transition</p>	
<p>Just Transition Analysis</p>	<p>The implementation of innovative decarbonization technologies such as GH2, CCUS, and MoE technologies in the hard to abate sectors will foster socially inclusive processes to identify and address the distributional impacts of the transition for workers and communities. The Program will significantly contribute to a just transition by creating new job opportunities and promoting economic diversification. The production and use of GH2 will generate employment in manufacturing, installation, and maintenance of hydrogen facilities, while CCUS technologies will create jobs in the construction and operation of capture and storage sites. Additionally, investing in training and reskilling programs will help workers transition to new roles in the green economy, ensuring they are not left behind.</p>
<p>Just Transition Activities</p>	<p>Please refer to Proposal Section 2.4</p>
<p>Just Transition Indicators</p>	<p>Just Transition aspects will be given thorough consideration and addressed at the sub-project level depending on the issues and opportunities that are identified at the appraisal stage through an analysis for each sub-project. Possible Just Transition indicators include:</p>

	Number of local jobs created in deploying innovative technology in industrial decarbonization; Number of local jobs created for workers transitioning from carbon-intensive industries (as applicable).
For projects/programs with activities in countries assessed as being at moderate or high risk of debt distress, macro-economic analysis to evaluate the potential for the CTF project or program to impact the country's debt sustainability	
Investments undertaken by IFC are not expected to require sovereign guarantees and, therefore, will not necessarily be reflected in the country's debt service requirements, thereby not affecting the country's debt sustainability.	
For public sector projects/programs, analysis of how the project/program facilitates private sector investment	
N/A	
Expected Results (M&R)	
Project/Program Timeline	
Expected MDB Board Approval date	Q3 2025
Expected project closure date	N/A
Expected lifetime of project results in years (for estimating lifetime targets)	25
CTF Core Indicators	Project-Defined Indicators/Targets
<i>Please identify which of the indicators below are relevant to the project proposal, list the corresponding project-defined indicator(s), and report all targets, including disaggregated targets. (See the CTF Monitoring and Reporting Toolkit for additional guidance.)</i>	
CTF 1: GHG emissions reduced or avoided (mt CO ₂ eq)	
<i>Annual</i>	1,085,400
<i>Cumulative Lifetime</i>	27,135,000
CTF 2: Volume of direct finance leveraged through CTF funding (\$)	<i>Indicator calculated from the co-financing section below</i>
CTF 3: Installed capacity of RE as a result of CTF interventions (MW)	N/A
<i>Wind</i>	
<i>Solar</i>	
<i>Hydro</i>	
<i>Geothermal</i>	
<i>Other/Mixed</i>	
<i>TOTAL</i>	
CTF 4: Number of additional passengers per day using low-carbon transport	N/A
<i>Female</i>	

	Male	
	TOTAL	
CTF 5: Energy savings as a result of CTF interventions (GWh)		N/A
	Annual	
	Cumulative Lifetime	
Please also submit the full project results framework to the CIF Secretariat upon MDB Board approval of the project.		
CTF Co-Benefit Indicators	Project-Defined Indicators/Targets	
Please identify one or more expected co-benefit indicators—i.e., other social, economic, environmental benefits beyond the CTF core indicators—that the project will track and report.		
CTF Co-Benefit (e.g., Gender, employment, energy access, social inclusion, health and safety, fuel savings, competitiveness and industrial development, SDGs):	Direct Employment (#) – Operations and Maintenance; # of people fed	
Expected Date of MDB Approval		
Q3 2025		

Version: October 2024

Link to Documents Management – [here](#)

CCH – [here](#)

CIF Website – [here](#)

CIF Pipeline Management and Cancellation Policy - [here](#)

CIF Financial Terms and Conditions Policy updated for FY24 - [here](#)

CIF Operational Modalities For New Strategic Programs - [here](#)

CTF (DPSP V-FUTURES) Futures Window Design Document [here](#)

CTF M&R Toolkit – [here](#)

FY25 Pricing Policy - [here](#)