General Information

Fund	MPTF_00300: Infrastructure Resilience Accelerator Fund (IRAF)
FMP Record	MPTF_00300_00008: Revision of the Haitian National Building Code
MPTFO Project Id	00140544
Start Date	01-Jan-2024
End Date	01-Jan-2026

Applicants

Status	Contact Type	Name	e-mail	Position	Telephone
Active: 12-Jun-2023 9:37:00 AM	Project Manager	Louise Foulkes	louise@buildchange.org		

Signatories

Signature Process	Role	Name of Organization	Name	User Email
Digital	Signatory	Chief of Engineering, Chief Admin Officer, Build Change	Ms M. Lisbeth B. Collins	lizzie@buildchange.org
Digital	Signatory	UNDP, TFMC UN Co Chair	Mr Ronald Jackson	ronald.jackson@undp.org
Digital	Signatory	CDRI, Director General	Mr Amit Prothi	amit.prothi@cdri.world
Digital	Signatory	Directeur des Travaux Publics Ministères des Travaux Publics, Transports et Communications d'Haiti MTPTC, Government of Haiti	Mr Charles Hygin RAYMOND	dtp@mtptc.gouv.ht

Contacts

Contact Type	Name	e-mail	Position	Additional e-mail	Telephone
Project Manager	Pierre Paya	pierre@buildchange.org			
Focal Point	Charles Hygin RAYMOND	dtp@mtptc.gouv.ht	Directeur des Travaux Publics - Ministères des Travaux Publics, Transports et Communications d'Haiti - MTPTC, Government of Haiti		+509 31 22 3110
Project Manager	Corège Dorismond	corege.dorismond@gmail.com	project coordinator		+50937085909
Project Manager	Juan Caballero	juan@buildchange.org	Chief of Programs		

Description

Given the need to improve the Haitian normative framework around housing resilience, the MTPTC and Build Change propose to revise the CNBH to incorporate best practices for building resilient housing that can withstand the impacts of climate change and in particular regarding the following tracks:

- Cyclonic specifications (especially with regards to roofing and connections) utilizing locally and cost-effective available solutions.
- Integration of retrofit specifications. The MTPTC has already approved a guide for seismic reinforcement; the revision of the CNBH will endorse it and expand it to include cyclonic retrofitting specifications.
- Expansion of the code to cover the different types of small buildings in Haiti, particularly timber frame houses and vernacular rural construction.

This revision will address the main issues of the code in a comprehensive, effective, and widely accepted way. The process of revision will engage a wide range of stakeholders, including governmental agencies, private sector, and civil society to ensure that the revised building code incorporates the needs and concerns of all relevant parties. This participatory process will also ensure that all stakeholders understand the importance of resilient construction and are prepared to implement the revised building code once it is adopted.

Universal Markers	**Gender Equality Marker**	**Risk**		
	• GEM2 - GEWE is a significant objective of the Key Activity's overall intent	• Low Risk		
Optional Markers	**Small Island Developing States (SIDS)**	• Yes		
Fund Specific Markers	**THEMATIC FOCUS**	**Themes** • KNOWLEDGE, RESEARCH, INNOVATION • TRAINING, PEER LEARNING, SCHOLARSHIPS, FELLOWSHIPS, CAPACITY BUILDING SERVICES • GOVERNANCE SYSTEMS (POLICIES, STANDARDS, SOPS, GUIDELINES, PLANS, INSTITUTIONS)		
	GEOGRAPHICAL WINDOWS	**Gorgraphical Funding windows** • Small Island Developing States		
	SECTORAL FOCUS	**SECTORS** • Multi-sector		
	ELIGIBILITY TO RECEIVE IRAF FUNDING: Legal Registration; Fiduciary risks (HR, procurement, accounting, audit); Protection from sexual exploitation, abuse and harassment;	**ELIGIBILITY CRITERIA - SELECT RELEVANT CRITERIA APPLYING TO YOUR ORGANIZATION - OR SELECT ALL (UN ORGANIZATIONS : SELECT n/a)** • LEGAL REGISTRATION: Your organization has a current and valid legal registration document, or evidence that demonstrates that such registration is possible. • HR: Your organization has a procedure manual for the recruitment of staff and personnel • Procurement: Your organization has a procurement department responsible for all procurement of goods and services • Accounting: Your organization has an accounting department • Audit: Your organization commissions regular Financial Audits • SEAH: Your organization has an organizational policy to protect from sexual exploitation, abuse and harassment (staff training, established procedures following a report, victim assitance; or your organization is in the process of establishing such policy • All seven (7) eligibility requirements met		
	Accreditation with other funding mechanisms	**ACCREDITATION - SELECT RELEVANT ACCREDITATION APPLYING TO YOUR ORGANIZATION** • Your organization has already been accredited to access UN funding for project implementation		
Geographical Scope	**Geographical Scope**	**Name of the Region**	**Region(s)**	**Country**
	• Country		• Americas	• Haiti
Participating Organizations and their Implementing Partners	**Participating Organizations**	**Government/ Multilateral/ NGO/ Other**	**New Entities**	**Implementing Partners**
			• Build Change	
Programme and Project Cost	**Participating Organization**	**Amount (in USD)**	**Comments**	
	Budget Requested			
	Build Change	$499,752.43	Full project budget	
	Total Budget Requested	**$499,752.43**		
	Tranches			
	Tranche 1 (%)	Tranche 2 (%)	Tranche 3 (%)	
	Total: $99,950.49	Total: $249,876.22	Total: $149,925.73	
	Other Sources (Parallel Funding)			
	Total	**$499,752.43**		
Thematic Keywords				
Programme Duration	**Anticipated Start Date**	01-Jan-2024		
	Duration (In months)	24		
	Anticipated End Date	01-Jan-2026		

Narratives

Title	Text
Qualification of the Implementing Organization: Mission & mandate	**Mission / Mandate:** ***Build Change** is an award-winning international 501(c)3 non-profit social enterprise with main offices in the USA and regional offices in Asia (Manila, The Philippines) and in Latin America and the Caribbean (Bogotá, Colombia). Our mission is to greatly reduce deaths, injuries and economic losses caused by housing and school collapses due to earthquakes, extreme weather, and fire. Build Change is a global leader with more than 18 years' experience in developing and implementing innovative, cost-effective, and scalable solutions for housing–including single-detached "simple homes" to improve their performance during natural disasters, including earthquakes and windstorms.* ***Our impact. Since 2004, Build Change has helped safeguard more than $4.0B in housing infrastructure assets across the Asia Pacific and Latin America and the Caribbean, improving the lives of over a million people through training over 85,000 people in disaster-resilient design and construction who in turn have built new or retrofitted more than 200,000 safer buildings. In the process, Build Change has created more than 39,000 jobs.*** ## *International Awards and Recognition* *Build Change has received numerous prestigious awards and recognition, including the following:* ■ *In 2017, Build Change won a Skoll Award for Social Entrepreneurship.* ■ *Build Change's Director of Engineering, Lizzie Blaisdell Collins, won the 2016 EERI Shah Family Innovation Prize.* ■ *In 2013, Build Change won Awards of Excellence from the Structural Engineers' Associations of California and Northern California for the technical resources developed for seismic evaluations and retrofits of masonry homes in Haiti, in conjunction with Degenkolb Engineers.* ■ *Build Change received the 2006 Award of Excellence from the Structural Engineers' Association of Northern California for the earthquake-resistant house design it developed for Indonesia with engineering partners.* ■ *Build Change has authored many technical publications, including three post-disaster housing reconstruction and retrofit primers at USAID's request, design and construction guidelines for six countries, and strategy and policy blogs and articles.* ■ *Build Change won a 2008 Tech Award for Technology Benefiting Humanity in the Equality Category.* ■ *Build Change's founder, Dr. Elizabeth Hausler, has won numerous awards, including the 2018 Campanile Excellence in Achievement Award from the University of California, Berkeley, the 2011 Lemelson-MIT Award for Sustainability, and a 2011 Social Entrepreneur of the Year award from the Schwab Foundation. She is a Fulbright Fellow, Echoing Green Fellow, Draper Richards Kaplan Fellow, and Ashoka-Lemelson Fellow and is a member of the University of California, Berkeley Department of Civil and Environmental Engineering Academy of Distinguished Alumni.* ■ *Build Change's work has been featured in numerous media and publications, including the New York Times, BBC World, Forbes, NPR All Things Considered, and others.*

Qualification of the Implementing Organization: Organization geographical coverage

Geographical coverage:

Build Change currently works or has worked in the past 5 years in Dominica, St Lucia, Puerto Rico, Jamaica, Sint Maarten, The Dominican Republic, Haiti, USA, Mexico, Nepal, Guatemala, Honduras, Colombia, The Philippines, Indonesia, Nepal, The Maldives, Tonga, Samoa, Solomon Islands, Vanuatu, Cook Islands, Comoros, and Turkey.

Recent Projects in Small Island Developing States (SIDS)

SIDS: Dominica. Sub-Consultant Services on the Cost-Benefit Analysis of Retrofitting Housing for Wind in Dominica (WB Group 2022)

SIDS: Dominica. Market Diagnostic Assessment for Climate Resilient Housing and Buildings in Dominica (WB Group 2021)

SIDS: Dominican Republic. Market Diagnostic Assessment for Climate Resilient Housing and Buildings in Dominican Republic (WB Group 2021)

SIDS: Jamaica. Market Diagnostic Assessment for Climate Resilient Housing and Buildings in Jamaica (WB Group 2021)

SIDS: Tonga, Samoa, Solomon Islands, Vanuatu, Cook Islands. Supporting Finance Sector and Private Sector Development in the Pacific, The Asian Development Bank: (ADB 2019)

SIDS: Dominica. Specialized Technical Advisory Services and Development of Management Information Systems for Homeowner Driven Reconstruction to Support the Dominica Housing Recovery Project (WB Group & Commonwealth of Dominica 2019)

SIDS: Saint Lucia. Geospatial data validation of the St Lucia modeling (WB Group 2018)

SIDS: Haiti.Technical Diagnostic Program for School Infrastructure (Ministry of Education and Vocational Training2017)

SIDS: Haiti. Enabling Canaan Program (ECP) - Support to Construction Professionals for Safe Construction (Global Communities under the American Red Cross, 2017)

SIDS: Jamaica. Building Practitioner Training and Informal Building Sector Analysis for Jamaica (WB Group 2017)

SIDS: Micronesia. Expert advice on housing assessments (International Organization for Migration (IOM) 2016)

SIDS: Haiti. REZO - Framework for Professional Development in the Informal Construction Sector in the Northern and Southern Region (USAID 2015 – 2018)

SIDS : Haiti. Reconstruction Assistance Center in Martissant (Unité de Construction de Logements et de Bâtiments Publics (UCLBP) 2015 – 2018)

SIDS: Haiti. A Practical Handbook to Safe Housing Expansion, (Global Communities for American Red Cross 2015 – 2016)

Build Change in Haiti

Build Change has been operating in Haiti since the 2010 earthquake recovery effort. We have worked in close collaboration with Haitian Government partners, including The Ministry of Public Works, Transport and Communications (MTPTC), the Unité de Construction de Logements et de Bâtiments Publics (UCLBP), the Ministry of Education and Vocational Training (MENFP), and the Municipality of Chantal.

Over the years, our main contributions in Haiti have been in the areas of:

- Permanent reconstruction & retrofitting of houses, schools and slope-stabilization works, including the creation of engineering guidelines and technical resources for new construction and structural retrofits
- Capacity building and vocational training, including competency-based curricula, on-the-job trainings and trainings-of-trainers for engineers, masons, apprentices, and other construction professionals
- Livelihoods & support to micro-entrepreneurs in the construction sector. Notably to concrete-block-makers and mason/contractor micro-entrepreneurs
- Disaster resilience awareness & messaging

Examples of technical resources developed Build Changes team in Haiti include:

- **Construction Drawing for New Confined Masonry Building: 1 (French)**
- **Construction Drawing for New Confined Masonry Building: 2 (French)**
- **Construction Drawing for New Confined Masonry Building: 3 (French)**
- **Construction Drawing for 2-story New Confined Masonry Building: 4 (French)**
- **Construction Drawings for 2- and 3-story Mixed Use Buildings (English & French)**
- **The Secrets of Earthquake-Resistant Construction (Haitian Creole):** a guidebook written in Haitian Creole outlining important elements for building safe structures.
- **Design and Construction Guidelines for Confined Masonry Housing (French)**
- **Construction Drawings for 1- and 2-story Reinforced Masonry House (English & French)**
- **Construction Drawings for One- and Two-Story Timber Frame Houses in Haiti**
- **Haiti Ministry of Public Works (MTPTC) National Retrofitting Guidelines**
- **Seismic Evaluation and Retrofit Manual (EN)** **(**also published in French)
- **Retrofit Picture Guide (Haitian Creole)** (also published in English)

We have managed to remain operational throughout the recent instability in Haiti and will continue to do so, in great part thanks to our very light operating structure and homeowner driven approach.

Today, Build Change's focus is institutional capacity support to Central Government partners such as MTPTC, and support in the South and Grand'Anse recovery ereas where we have been implementing a house retrofit program in the Municipality of Chantal following the 2021 earthquake in the South.

Qualification of the Implementing Organization: Thematic expertise relevant to the project	Build Change is applying to be an implementing partner with the CDRI IRAF because of the alignment of our mission with Small Island Developing States (SIDS) resilience challenges and because of the SIDS-specific experience we bring to the table Indeed, Small Island Developing States (SIDS) are disproportionately affected by natural hazards exposure, climate change aggravated hazards, and developmental challenges. As a result, their needs and challenges overlap very well with Build Change's mission and expertise. In addition, Build Change brings to the table specific experience in Small Island Developing States (SIDS) given that we currently work of have completed consultancies in many Small Island Developing States, including **Haiti, Micronesia**, **Tonga**, **Vanuatu**, **Cook Islands**, **Solomon Islands, Samoa, The Maldives, Jamaica, The Dominican Republic, Saint Lucia, The Maldives, Comoros, and Dominica**. In the case of this project in particular, Build Change already has a relationship with the Commonwealth of Dominica, having in the past 5 years implemented three projects in Dominica –one of which was directly as a contractor to the Government of Dominica. ***Build Change is a champion for resilient housing and building resilience to climate related disasters in the construction sector.*** *Build Change partnered with the World Bank to launch the Global Program for Resilient Housing in 2018.* *We pride ourselves on:* ■ *Being a global leader in permanent housing reconstruction after earthquakes and windstorms, a winner of numerous awards, and author of three USAID disaster reconstruction primers.* ■ *Being a champion of local capacity-building and job creation, recognizing these are keys to sustainable development in emerging markets.* ■ *Proven engineering and capacity-building excellence in assessment, design, construction and retrofitting of low-rise buildings in challenging post-disaster and vulnerable environments.* ■ *Using a model that overcomes the barriers to development—money, technology, and people—using innovative models to leverage financing and other incentives for safe construction.* ■ *A history of empowering women as managers, engineers, and stewards of the safe construction of their homes.* ■ *An organizational approach based on transparency and cooperation, often working at the nexus of government, private sector, NGO, donor, and end user communities.* ■ *A record of delivering successful high-impact, low cost-per-impact programs in partnership with institutional donors and other public, private, and NGO partners.* ■ *Forward-looking approach to technology innovation, such as implementing tablet-based methods for monitoring and collecting data, limiting opportunities for corruption and error during construction.* ## ***Optimizing the disaster-resilient and climate-resilient aspects of housing*** *Build Change has developed nationally applicable standards and guidance, including education and communication materials and training. The standards have led to the systemization of disaster-resilient construction at a high level, while training has supported dissemination and implementation. We provide quality assurance/quality control along the entire value chain and build capacity of local stakeholders and homeowners, tailored to the local context to ensure uptake and sustainability. We create easy-to-follow, prescriptive training and reference material for officials, engineers, practitioners, and homeowners. Our seismic evaluation and retrofit manuals have been approved by the governments of Colombia, Haiti, Nepal, and the Seismic and Structural Engineering Engineers Association of Guatemala.* *Highlights include:* ■ *Build Change Philippines Design and Construction Guideline for Residential Housing (in English). Reviewed and approved by the Philippines Secretary of Public Works.* ■ *You Can Keep your Family Safe from Earthquakes: How to Build Strong and Sturdy Houses, a safe construction guideline for non-technical persons in Indonesia (available in English).* ■ *Seismic Evaluation and Retrofit Guidelines for Haitian Masonry Housing primer, created with Degenkolb Engineers (available in English and in French); received the 2013 Structural Engineers Association of California (SEAOC) Award of Excellence: Study/Research/Guidelines; peer-reviewed by the Haiti Ministry of Public Works and became the technical annex to the Government's Retrofit Guide.* ■ *A Practical Handbook for Safe Housing Expansion, peer reviewed by the Haiti Ministry of Public Works. Colombia Seismic Evaluation and Retrofit Manual, produced by Build Change and SwissContact (available inSpanish); peer-reviewed and approved by the Colombian Seismic Code Commission. Currently adopted by the*

national code subcommittee for formalization into the national code and by the City of Bogotà as an official technical standard for its home improvement program.

Selected projects and capabilities

Our capabilities in resilient housing technical assistance include:

1. ***Reconnaissance Reporting, Building Damage Assessments and Housing Sub-Sector Studies****—Build Change has written and contributed to a number of post-disaster reconnaissance reports and housing sub-sector studies. A selection of authored and co- authored post-disaster reconnaissance reports is available here.*

2. ***Training and Accreditation****—Build Change uses a competency-based model to build the engineering and risk reduction capacity of engineers, government officials, NGO staff, homeowners, builders, and material suppliers. We recently partnered with l'Institut National de la Formation Professionnelle (INFP) and Centre de Compétence en Reconstruction (CCR) to develop Haiti's first national qualification in disaster-resistant construction. In Haiti, we've trained over 3,500 builders and block factory employees. We also run REZO, a rewards and accreditation program for informal builders and construction material producers. In Bogotá, Colombia, we've trained government engineers who we're now partnering with to retrofit 50 pilot homes. This initiative has been replicated in Medellin with the Resilience Office and the Administrative Department of Disaster Risk Management (Departamento Administrativo de Gestíon del Riesgo de Desastres, DAGRD), as a first step in the city's new resilience strategy.*

3. ***Systems Level Advice on Policy, Legal, and Regulatory Frameworks****—Build Change supports governments and NGO partners in the development of technically sound and economically fair post-disaster and mitigation policy with emphasis on the use of home-owner driven processes. Build Change has influenced the housing policies of government agencies in Nepal, Colombia, Haiti, and the Philippines on issues ranging from the selection of the homeowner-driven approach as a reconstruction model in Haiti, to increasing subsidies for home improvements in Bogota.*

4. ***Risk and Mitigation Viability Studies****—Build Change completes risk and mitigation studies for housing and schools that are frequently used to estimate the potential economic and lifesaving impact of strengthening measures. For example, we were contracted by the World Bank in 2019 to assess risks associated with home construction quality in Indonesia and provide expert advice on home retrofitting alternatives to mitigate earthquake risk in Mexico.*

5. ***Structural Evaluation of Low-Rise Housing Settlements and Schools****—Build Change evaluates the structural, seismic and wind safety of houses and schools for private, government and NGO clients. Evaluations also include non-structural components, such as water and sanitation, egress, and lighting and ventilation. In Haiti alone, we have structurally evaluated over 1,500 informal houses and have worked with Ministère de l'Education Nationale et de la Formation Professionnelle (MENFP) to assess the vulnerability of and determine appropriate mitigation measures for existing school building stock.*

6. ***Site Hazard Assessment and Mitigation Recommendations****—Safe housing is not only about structure. Build Change performs frequent site hazard assessments, usually as the first step in wider disaster risk mitigation programs. As part of a recent partnership with Global Communities in Haiti we conducted a geotechnical study, provided recommendations for relocation of vulnerable families, and designed and supervised the construction of over half a kilometer of retaining walls.*

7. ***Public Awareness on Resilient Housing Improvements****— Build Change has applied its resilient housing model successfully across 26 countries and a range of country and disaster contexts. Wherever we work, community education and outreach are critical to project success. Long-term systems change requires homeowners' commitment, making effective education and outreach crucial. We also incentivize homeowners to make necessary retrofits by addressing other important habitability concerns, such as better ventilation. We are creative with our outreach strategy, employing social media, smartphone apps we have developed with artificial intelligence, speaking engagements, publications, posters, booklets, and street theater to educate the public. Our approach varies by the local context and ecosystem for information consumption. We also offer local stakeholders access to digital apps and technology, including online libraries, to put critical disaster-resilient resources and assessment tools into the hands of everyday people.*

8. ***New Construction/Retrofit Program Delivery****—Build Change has supervised thousands of construction sites as technical and program lead for large and small reconstruction and mitigation programs. We provide daily, weekly and remote oversight as needed, and work directly with homeowners, practitioners, and partner agency field staff. We help ensure subsidies or loan amounts are only disbursed when quality standards are met. Build Change's experience in this domain has been aggregated in the form of three technical primers used by USAID and available here:*

- *Building Back Housing in Post-Disaster Situations*
- *Seismic Retrofit of Housing in Post-Disaster Situations*
- *Site and Retaining Wall Hazard Mitigation in Post-Disaster Situations*

9. ***Innovative Use of Technology.*** *Build Change's technology team has developed digital homeowner awareness apps, management information systems for reconstruction, design libraries, and technology solutions that exponentially improve interactivity among stakeholders while also increasing the speed, quality, and cost-*

savings of processes along the construction value chain. We use Revit® to develop 3D retrofit self-checking models, and a combination of images and Revit® to create virtual reality and augmented reality experiences. We also use mobile applications to help develop a quick and direct line of communication with communities. In Indonesia, Build Change's mobile app, "Rumah Aman" or "Safe House," has been developed to assist in safe reconstruction after earthquakes and tsunamis, and provides homeowners, builders, and government officials with access to an online library of reconstruction resources, including house designs, bills of quantity, disaster-resistant recommendations, construction checklists and even an engineering hotline. Some highlights of our digital and technological innovations are:

■ *National Housing Management Information System (MIS) in Dominica. Our post-disaster expertise combined with technological innovation have supported the national Housing Recovery Project with a Management Information System, resulting in easy access to information and greater accountability.*

■ *Digital Technical Assistance Program, known as BC-TAP, in Colombia. Build Change developed BC-TAP for Colombia's Ministry of Housing and its national home improvement program. BC-TAP creates a semi-digitized workflow for Ministry operators to assess, evaluate, design, cost, and construct resilient housing. The platform has also been tailored for Plan Terrazas, the local initiative of the City of Bogotá to reduce structural deficiencies and improve living conditions in informal housing.*

■ *Intelligent Supervision Assistant for Construction / Sistema Inteligente de Monitoreo de Obra (ISAC-SIMO). A machine learning app that allows homeowners, local officials, and builders to quickly determine the quality of construction components. (See ISAC-SIMO Video.)*

■ *Post-Disaster Rapid Response Retrofit (PD3R). A smart-phone based Artificial Intelligence (AI) and image-capture interface to inform Nepali homeowners of whether or not their vulnerable house could be structurally strengthened or 'retrofitted' to withstand seismic activity. (See AI video from Nepal.)*

*10. **Existing Building Structural Rehabilitation and Retrofit Design**—Build Change develops tailored retrofit designs and helps supervise retrofit work in both formal and informal settings. Where technically feasible, Build Change offers prescriptive and type design solutions that are easily implementable at scale. We've developed retrofit designs for seven very different country contexts. In Nepal, our retrofit type design has been adopted by the National Reconstruction Authority and can help strengthen one out of four of the estimated 400,000 rural stone and mud mortar houses which were damaged yet not destroyed in the 2015 earthquakes.*

*11. **New Construction Design and Design Review**—Build Change develops its own designs and has performed numerous design reviews for government and NGO partners. Designs consider the local economy, local practices, materials, and cultural preferences. Past designs include reinforced concrete frame, confined masonry, and timber frame construction. One of our most recent timber frame designs was used by Badan Penanggulangan Bencana Daerah (BPBD, Provincial Disaster Management Agency) for reconstruction after the 2016 Pidie Jaya Earthquake in Indonesia.*

*12. **Quality Control and Product Testing**—Build Change develops simple quality control guidelines and checklists that can be used by technical and non-technical parties during all phases of construction. We've developed simple solutions for product testing, including mechanized impact, compression and tension testing. Build Change retains advanced testing machinery and partnerships where needed.*

Qualification of the Implementing Organization: Human resource capacity	*We currently have 24 staff in technical positions, 13 men and 11 women.* *Our technical staffs field of expertise in relation to the project under submission are:* *Structural Engineers* *Civil Engineers* *Architects* *Building Information Modelling (BIM) experts* *Multi-Hazard Resilience & Sustainability Experts* *Resilient Housing Experts* *Post Disaster Reconstruction Experts* *Housing Policy Experts* *Software developers* *Social Scientists* *Graphic designers*

Qualification of the Implementing Organization: Portfolio analysis

Build Change's FY23 portfolio is $4.9M.

In the past 5 years Build Change has managed 60 projects across 24 countries.

Highlights of projects completed in the past 5 years:

Project Name, Year	**Description**	**Amount**	**Client Information**
Caribbean regional capacity building for building professionals, 2022	A World Bank initiative to increase adoption of building codes in the Caribbean, the project has two principle activities: first the development of a capacity building strategy and training program for building professionals in the Caribbean that will be piloted in Dominica; and secondly, a cost-benefit analysis of retrofitting housing for hurricanes. Build Change are involved in the project as a sub-consultant to IBTS and are working with the World Bank D-RAS team on the cost-benefit analysis.	$62,200 Contract	**The World Bank Group** Rashmin Gunasakera rgunasekera@worldbank.org Senior DRM Specialist, leads D-RAS Keiko Sakoda ksakoda@worldbank.org DRM Specialist, runs the GFDRR Building Regulation for Resilience Program (BRR) **IBTS** Patrick Howell phowell@ibts.org Chris Fennell cfennell@ibts.org
Content Specialist: Affordable and Resilient Housing, TA 9513: Advancing Inclusive and Resilient Urban Development Targeted at the Urban Poor	Prepared a technical note on use of climate and disaster risk information in designing pro-poor investments in housing and developed and delivered a corresponding learning session at the Resilience for the Urban Poor Event.	$33,000 Contract	Arghya Sinha Roy Principal Climate Change Specialist (Climate Change Adaptation) Sustainable Development and Climate Change Department Asian Development Bank Phone: +632 26831954 asinharoy@adb.org
Market Diagnostic Assessment for Climate Resilient Housing and Buildings in Dominica, Resilience Building Program for the Caribbean – Dominica, World Bank, 2020-2021	Assess the existing activities, challenges, gaps and needs for climate-resilient housing and buildings in Dominica. The data and information gathered in this comprehensive study is intended to support the IFC's assessment and development of potential financial sector solutions that would be offered under the RBPC to support the region's climate-resilience agenda.	$23,000 Contract	The World Bank Group IFC 2121 Pennsylvania Avenue, N.W. Washington, DC20433 Olayinka Charles Lawson olawson@ifc.org

Project Name, Year	Description	Amount	Client Information
Market Diagnostic Assessment for Climate Resilient Housing and Buildings in Dominican Republic, Resilience Building Program for the Caribbean – Dominican Republic, World Bank, 2020-2021	Assess the existing activities, challenges, gaps and needs for climate-resilient housing and buildings in Dominican Republic. The data and information gathered in this comprehensive study is intended to support the IFC's assessment and development of potential financial sector solutions that would be offered under the RBPC to support the region's climate-resilience agenda.	$23,000 Contract	The World Bank Group IFC 2121 Pennsylvania Avenue, N.W. Washington, DC20433 Olayinka Charles Lawson olawson@ifc.org
Market Diagnostic Assessment for Climate Resilient Housing and Buildings in Jamaica, Resilience Building Program for the Caribbean – Jamaica, World Bank, 2020-2021	Assess the existing activities, challenges, gaps and needs for climate-resilient housing and buildings in Jamaica. The data and information gathered in this comprehensive study is intended to support the IFC's assessment and development of potential financial sector solutions that would be offered under the RBPC to support the region's climate-resilience agenda.	$23,000 Contract	The World Bank Group IFC 2121 Pennsylvania Avenue, N.W. Washington, DC20433 Olayinka Charles Lawson olawson@ifc.org
Improvement of Capacity for Earthquake Resistant Buildings and Retrofitting, Earthquake Preparedness Program, American Red Cross and PMI, 2020	Develop a simple Guide on applicable seismic retrofit solutions for PMI volunteers to use in the field with homeowners to identify the need for a given solution and convince a homeowner to select at least one of the needed improvements for reducing risk in their home. Develop a set of construction quality checklists corresponding to the retrofit solutions for builders to reference in implementing the work. Develop and deliver a training-of-trainer module on the Guide.	$70,358 Contract	American Red Cross and PMI for OFDA/USAID American Red Cross D. Kendall RePass Country Representative, Indonesia Kendall.RePass@redcross.org
Technical Assessment of Single-Family Homes Repairs 2 - Construction Supervision, National Recovery Program Bureau, NRPB, Sint Maarten, 2020	Provide technical support to the Government in Sint Maarten by providing construction project management and technical and environmental, social, health and safety supervision to the rehabilitation and reconstruction works for hurricane-damaged homes.	$599,316 Contract	National Recovery Program Bureau, NRPB Ms. Olivia Lake W.J.A. Nisbeth Road 57 Philipsburg, Sint Maarten Olivia.Lake@sintmaartengov.org

Project Name, Year	Description	Amount	Client Information
Advisory Support for Resilient Self-Help Housing in Indonesia, The World Bank, Indonesia, 2019	Conduct technical assessments of a sample of BSPS-assisted houses intervened in urban and peri urban areas in 2018 and provide technical design recommendations on how to incorporate earthquake risk reduction measures and improve housing health and safety standards of BSPS-assist houses. Conduct stakeholder interviews to develop policy recommendations by evaluating the effectiveness of the existing house upgrading framework and mechanisms under BSPS.	$109,540	The World Bank 1818 H St. NW Washington, DC 20433 Luis Triveno Urban Development Specialist ltriveno@worldbank.org
Rumah Aman: Indonesia Resilient Housing Awareness Mobile App, Center for Disaster Philanthropy, Indonesia, 2019	Create a mobile awareness application (“Rumah Aman” or “Safe House” in Bahasa Indonesia), targeting homeowners, builders and other reconstruction stakeholders, to access important resources for the reconstruction process following Central Sulawesi earthquake.	$62,410	Center for Disaster Philanthropy 1201 Connecticut Avenue NW | Suite 300 | Washington, DC 20036 Brennan Banks Director of Disaster Recovery Fund Brennan.banks@disasterphilanthropy.org
Expert Advice on Home Retrofitting Options to Mitigate Disaster Risk, Mexico, 2019	Build Change provided expert advice to the World Bank on retrofitting for the region of Salina Cruz, Oaxaca, the area affected by the 2017 Earthquake that triggered the national catastrophe bond instrument for the first time in the region.	$25,000	The World Bank 1818 H St. NW Washington, DC 20433, USA Luis Triveno Urban Development Specialist ltriveno@worldbank.org
Community Awareness and Engagement for Housing Improvements, IDIGER, Colombia, 2019	Develop an interactive street theater event to communicate housing vulnerability risk awareness in 15 neighborhoods of Bogota. Assess 150 houses and develop detailed retrofit designs for 15 as part of the community awareness objectives.	$75,000	Institute for Disaster Risk Management and Climate Change of the City of Bogota, Colombia

Project Name, Year	Description	Amount	Client Information
Technical Capacity Building of Shelter Response programs following Typhoon Mangkhut (Ompong), Czech Republic Humanitarian Aid, Cagayan Valley and Benguet, Philippines, 2019	Supported by the Philippines Shelter Cluster, collaborate with affected communities and organizations carrying out shelter repair and rehabilitation programs by providing them with training and technical assistance to strengthen and improve the structural performance of houses affected by Typhoon Mangkhut.	$124,978	Jana Peterková Deputy Head of Mission Embassy of the Czech Republic in the Philippines Rufino Pacific Tower, 30th floor 6784 Ayala Avenue Makati City, 1226 Metro Manila jana_peterkova@mzv.cz
Specialized Technical Advisory Services and Development of Management Information Systems for Homeowner Driven Reconstruction to Support the Dominica Housing Recovery Project, The Government of Dominica and the World Bank, Dominica, 2019	As a first priority, the project focuses on registering up to 1,700 highly vulnerable households whose houses were completely destroyed in Hurricane Maria. As a second priority, Build Change will tailor our existing Management Information System (MIS) and toolset to the project requirements. Our MIS solution will be adapted to support the beneficiary registration process and will facilitate the efficient screening of, selection of, and build the foundation for the effective delivery of financial and technical support to beneficiaries.	$499,288	Dominica Housing Recover Project (PIU) Ministry of Housing and Lands Nicholas Bruno Project Manager projectmanagerhrp@dominica.gov.dm The World Bank 1850 I St. NW Washington, DC 20433, USA Yohannes Y. Kesete Senior Disaster Risk Management Specialist ykesete@worldbank.org
Supporting Finance Sector and Private Sector Development in the Pacific, The Asian Development Bank, Pacific Islands, 2019	Structural engineering consultant to assess building typologies, their level of resilience to typhoons and earthquakes, and identify mitigation requirements and costs. Part of a larger project to assess the feasibility and design options for local and regional mechanisms that can reduce the lack of insurance and financial access to residential and SME markets in the five most vulnerable countries with low prevalence of disaster risk insurance coverage, namely, Tonga, Samoa, Solomon Islands, Vanuatu, and Cook Islands.	$125,000	Asia Development Bank Masudur Nizami Financial Sector Specialist Pacific Liaison and Coordination Office in Sydney, Australia Pacific Department mnizami@adb.org

Project Name, Year	Description	Amount	Client Information
Technical Assessment of Single-Family Homes Repairs 2, National Recovery Program Bureau, NRPB, Sint Maarten, 2019	Provided technical support to the Government in Sint Maarten by conducting technical assessments of selected hurricane-damaged single-family houses, and prepared technical files for the repair and retrofit and/or reconstruction of the assessed homes, including the scope of works, detailed Bill of Quantities – BoQs (labor, material breakdown), and technical construction drawings and specifications.	$497,579	National Recovery Program Bureau, NRPB Ms. Olivia Lake W.J.A. Nisbeth Road 57 Philipsburg, Sint Maarten Olivia.Lake@sintmaartengov.org
Technical advisory services for the Casa Digna Vida Digna Housing Program, Ministry of Housing, Colombia, 2019 - present	Provide technical assistance, share global expertise and best practices for the National Home Improvement Program. Develop, adapt, and deploy technical resources and a Technical Assistance Platform for the program. The program has a goal of improving 600,000 units of housing.	$750,000 various sources	Ministry of Housing of Colombia Carlos Felipe Reyes Forero, Director of Housing System Cfreyes@minvivienda.gov.co
Barrio Mío Scale Up Program, Seismic Retrofit Pilots, Project Concern International, Guatemala, 2018	Retrofit implementation training and technical resources development for local stakeholders.	$56,596	Project Concern International for USAID/OFDA Ernesto Paiz Project Manager erpaiz@pciguate.org
Developing a Quality Assurance System to Build Safer Buildings, Plan International, Philippines, 2018-2019	Help Plan International Philippines develop a quality assurance system which can be applied in all its construction-related projects to ensure quality construction, build the capacity of Plan, and allow Plan to implement the same process in future projects.	$28,676	Manuel I. Madamba | Program Technical Manager- Program Quality, Acccountability and Learning Plan International | Philippines 4th Floor Bloomingdale Building, 205 Salcedo Street, Legaspi Village, Makati City 1229 | Manila, Philippines manny.madamba@plan-international.org
Socio-Technical Facilitation for Nuwakot District Homeowners of Nepal, UNOPS, Nepal, 2018-2020	Provide homeowner-driven reconstruction technical assistance to 23,000 earthquake affected homeowners in the district of Nuwakot.	$2,000,000	UNOPS Simon Darke Shelter and Housing Programme Manager Nepal Operations Hub Kathmandu, Nepal +977-01-4416520 simonda@unops.org

Project Name, Year	Description	Amount	Client Information
Building Practitioner Training and Informal Building Sector Analysis for Jamaica, The World Bank, Jamaica, 2018	Studying the informal building sector in Jamaica to support the Government of Jamaica in reducing disaster risk by developing demand- driven training and certification systems for building practitioners that will lead to progressive development within the informal sector.	$50,000	The World Bank Thomas Moullier Senior Urban Specialist Social, Urban, Rural & Resilience Global Programs Unit 1818 H Street, NW Washington, D.C. (202) 473-2765
Training Materials and Workshop on Basic Roof Strengthening Measures, Mercy Corps, Puerto Rico, 2018	Partnered with Mercy Corps in the development of simple house strengthening recommendations for homeowners affected by Hurricanes Irma and Maria in Puerto Rico	$31,142	Mercy Corps Jeronimo Candela Puerto Rico Director Triple S Plaza 1510 FD Roosevelt Ave, Suite 6A Guaynabo, Puerto Rico 00969
Geospatial data validation of the St Lucia modeling, The World Bank, Saint Lucia, 2018	Partnered with The World Bank to validate the results of a damage prediction model, to advance the dialogue with the government towards a retrofitting program adapted to the construction techniques in Saint Lucia.	$25,000	The World Bank 1818 H St. NW Washington, DC 20433 Luis Triveno Urban Development Specialist ltriveno@worldbank.org
Post-Disaster Housing Reconstruction & Retrofitting at Scale, Nepal, 2017-2019	Post-disaster housing reconstruction & retrofitting at scale targeted at Nepali earthquake affected homeowners, community members, and local builders as well as building the capacity of Nepali government engineers and inspectors.	$2.1M	UNOPS Simon Darke Shelter and Housing Programme Manager Nepal Operations Hub Kathmandu, Nepal +977-01-4416520 simonda@unops.org
Vulnerable Family Assistance and Targeting (VFAST), UNOPS, Nepal, 2017-2018	Support vulnerable and most vulnerable rural households in commencing the reconstruction of their houses, following the 2015 Nepal earthquakes. Specifically support over 100 homeowners in the earthquake affected district of Dolakha, through providing free design devices, technical assistance, and facilitation to labor-sharing groups engaged in housing reconstruction.	$112,323	UNOPS Simon Darke Shelter and Housing Programme Manager Nepal Operations Hub Kathmandu, Nepal +977-01-4416520 simonda@unops.org

Project justification (maximum 500 words)	**Background** Ninety six percent of Haiti's population is vulnerable to natural hazards, ranking it as one of the most vulnerable countries in the world. Additionally, most single-family, or small multi-family houses are built without permits and without applying basic standards. The recent history of disasters and their dramatic consequences (2010 and 2021 earthquakes, Cyclones Sandy in 2012, Matthew in 2016, and Laura in 2020) highlights the urgent need to improve the resilience of vulnerable housing. The growing influence of climate change on the severity of historic hazards such as wind speed and sea surges to name a few, is inducing more and more stress on the self-built low-income housing stratum, making its dwellers even more vulnerable. Building codes play a crucial role in reducing risk by establishing design standards, promoting best construction practices, and defining material requirements. The Code National du Bâtiment Haitien (CNBH) or Haitian National Building Code (hereafter referred to as CNBH), was developed by the Ministère des Travaux Publics, Transports et de Communications or Ministry of Public Works, Transport, and Communications (hereafter referred to as MTPTC) and was considered as an addition to the International Building Code to address the specific Haitian context, construction techniques, and small masonry buildings of 1 or 2 stories. In 2012, the CNBH was revised following the 2010 earthquake to incorporate seismic considerations but has not been finalized. but it has not been updated since, even though it is considered an evaluative code. • The CNBH is inadequate in addressing hurricane considerations, particularly in light of the increased frequency and intensity of wind and rainfall events as a result of climate change. • The CNBH primarily focuses on new construction and does not include specifications for hurricane and seismic reinforcement of existing buildings. • The CNBH is incomplete in many technical specifications and does not cover well all types of small buildings commonly found in Haiti. Notably, timber frame buildings, including vernacular houses are not included in the code even though this is a very common house typology in rural areas. CNBH's incompleteness makes it challenging for construction professionals to effectively use it and for the government to adequately enforce it. Therefore, the code is not widely used in the housing sector, even among building professionals, leading to many constructions failing to meet the standard. **Concept** Given the need to improve the Haitian normative framework around housing resilience, the MTPTC and Build Change propose to revise the CNBH to incorporate best practices for building resilient housing that can withstand the impacts of climate change and in particular regarding the following tracks: • Hurricane specifications (especially with regards to roofing and connections) utilizing locally and cost-effective available solutions. • Integration of retrofit specifications. The MTPTC has already approved a guide for seismic reinforcement; the revision of the CNBH will endorse it and expand it to include hurricane retrofitting specifications. • Expansion of the code to cover the different types of small buildings in Haiti, particularly timber frame houses and vernacular rural construction. This revision will address the main issues of the code in a comprehensive, effective, and widely accepted way. The process of revision will engage a wide range of stakeholders, including governmental agencies, private sector, and civil society to ensure that the revised building code incorporates the needs and concerns of all relevant parties. This participatory process will also ensure that all stakeholders understand the importance of resilient construction and are prepared to implement the revised building code once it is adopted.
Impact (maximum 500 words)	The proposed revision of the National Haitian building code will indirectly impact the entire population of the country (11,9M inhabitant) and especially the vast majority of people living in small buildings that will be enterily covered under this Code. The folowing impacts are exppected in the housing construction sector : • Improved resilience to cyclonic events: The inclusion of cyclonic specifications will enhance the ability of buildings to withstand strong winds and reduce structural damage during cyclones. • Enhanced retrofitting guidelines: The revised code will provide guidance on retrofitting existing structures to improve their resilience against both seismic and cyclonic events. • Comprehensive coverage of different building types: The expansion of the code will ensure that timber frame houses and vernacular rural construction, meet minimum resilience standards. • Widely accepted and implemented standards: The participatory process involving stakeholders from government, private sector, and civil society will promote acceptance and ownership of the revised code, leading to widespread implementation. • Long-term resilience and sustainability: The incorporation of cost-effective and locally available solutions will promote practical and feasible implementation, contributing to the long-term resilience and sustainability of the built environment. The project will also directly train 1 000 people to resilient housing principles and perform awarness campains across the country aiming to reach 100 000 people more.

Contribution to relevant Global frameworks (i.e the Samoa Pathway for SIDS, or Habitat for urban areas, etc.)	**Contribution to the Sustainable Development Goals (SDGs)** Peace Justice & Strong Institutions, Life on land, Climate Action, Sustainable Cities & Communities, Reduced Inequalities, Innovation & Infrastructure, Gender Equality. **Contribution to Samoa Pathway** This project mitigates the adverse impacts of climate change on housing resilience in a Haiti, a SIDS
Contribution to the Sendai Framework for Disaster Risk Reduction targets	**Contribution to the Sendai Framework for Disaster Risk Reduction targets** Upgrading Haiti's National Building Code (CNBH) will improve the resilience of its built environment, and will substantially reduce disaster exposure risk and losses of lives, physical assets, livelihoods and businesses in the event of a natural disaster striking Haiti.
Sustainability strategy (maximum 500 words)	This project will be implemented as a joint effort between Build Change and the Haitian Ministry of Public Works, and Telecommunications (MTPTC). **About MTPTC** The Ministry of Public Works, Transports, and Telecommunications (MTPTC) was established in the 1899 Constitution under Article 113. It is currently governed by the Decree of October 18, 1983, set by the Law of September 6, 1982 on National Public Administration and the Law of November 3, 1982 on Regional Planning. The Direction of Public Works (DTP) is one of the four central directorates of the MTPTC and is responsible for the planning and programming of rural and urban development, particularly in regards to code regulation and construction standards. It also has the responsibility of endorsing the code and ensuring its application in the housing sector. The project will establish an MTPTC-operated project unit, including an MTPTC project coordinator. The project will therefore be a direct extension of MTPTC activities and will be branded accordingly, making MTPTC the front-facing implementing agency in the eyes of the Haitian population as well as with regards to project dissemination activities with other international development stakeholders such as CDRI, CDRI members, and other SIDS. While Build Change will undoubtedly provide crucial technical expertise to the project, it is important to note that the project itself was conceived by MTPTC who subsequently reached-out to Build Change for joint implementation. As a result, every project milestone is designed to be finalized jointly by MTPTC and Build Change, with MTPTC having the final say on project outputs and priorities. MTPTC will furthermore be the recipient of all project outputs and will receive a full handover of project-produced revised National Building Code of Haiti (CNBH French Acronym). In addition, up to 20 representatives of the Haitian construction industry, academia and government cadres will also be invited to actively contribute to shaping the outcome of the building code revision by participating in one of two project committees, including a Steering Committee (convening thrice during the project implementation period), and a Technical Experts' Advisory Committee (convening 23 times during the project implementation period). Thus ensuring an inclusive technical discussion and joint ownership of the CNBH revision by a representative stakeholder base. Finally, the broader stakeholders of the Republic of Haiti (other Government Agencies, local authorities, individual citizens, private sector actors from the construction industry private sector representatives, civil society groups) will be engaged by the project during Phase 3, lasting 5 months, during which 21 trainings & symposiums will be held (12 in the Capital Port-au-Prince, and 9 others in every Departmental capital) thereby presenting the new revised CNBH to several strata of Haitian construction sector and Government stakeholders. At the end of the project, MTPTC will lead the international dissemination of best practices, with MTPTC project staff presenting in person as well as remotely at international technical events and conferences. Finally, MTPTC will be the final depositary of all project data, and outputs, in line with the applicable laws and regulations of Haiti.

Gender equality and social inclusion plan (maximum 500 words)	**Challenge 1:** Vernacular housing known as TECLA (Construction Locale Améliorée, Improved Local Construction Techniques) is prevalent throughout the rural areas of Haiti and favored by many Haitians. If well designed and built, TECLA is known to have good seismic resistance. However, the current Haitian building code has no provisions for TECLA housing. **Solution 1:** The revisions to the building code under this project will include recommendations and minimum requirements for safe construction of TECLA housing. The new code provisions will provide a cost-effective, safe solution for home construction in keeping with the Haitian culture. **Challenge 2:** Infrastructure work, including construction code standards and codes are traditionally male dominated. Yet when development projects provide opportunities for women technical professional to be in leadership positions, they usually shine and become role models and catalysts for other women to have to confidence to emulate them. **Solution 2:** Build Change is female-founded and led, with women leaders in key engineering, technical, and housing finance positions. Build Change will assign a majority of women experts to this project, including engineers, program experts and trainers. Build Change and MTPTC will prioritize including local women experts throughout project implementation, including the front facing project staff. **Challenge 3:** Discrimination and sexual harassment in the workplace disproportionately affect women, highlighting the importance of appropriate workplace sexual harassment and anti-discrimination policies. **Solution 3:** This project will be implemented in accordance with Build Change's set of US-based workplace sexual harassment and anti-discrimination policies.

Project Implementation (maximum 500 words)	Build Change and the MTPTC propose to seek funding from the CDRI IRIS program to implement the following project during a 2-year period: 1. Engage with stakeholders to gather their perspectives and requirements for the revision of the CNBH and to collaboratively identify the main gaps and areas for improvement in reducing the vulnerability of small buildings to natural hazards including the intensifying effects of climate change within an overall earthquake-and-hurricane-prone hazard profile. Main stakeholders are to include: • Government agencies such as the Unité de Construction des Logements et des Bâtiments Publics (UCLBP), the Bureau Haïtien de Normalisation (BHN), the Laboratoire National du Bâtiment et des Travaux Publics (LNBTP), and Institut National de Formation Professionnelle (NFP), as well as others if required. • Haitian vocational training institutes as well as the Université d'État d'Haïti. • Local industry groups, professional construction practitioners and Haitian civil society organizations. 2. Creation of a national Steering Committee, led by the MTPTC and comprising key stakeholders, to guide and oversee the revision of the national building code of Haiti (CNBH). 3. Development of revised building codes and standards that incorporate best practices for reducing the vulnerability of small buildings to climate change, considering local conditions and the needs of different stakeholders. 4. Peer-review of major draft work-packages by Haitian technical stakeholders appointed by the MTPTC in collaboration with the CNBH national Steering Committee. 5. Review and comments of draft work-packages by the national Steering Committee. 6. Approval and publication of the final revised CNBH by the Steering Committee. 7. Dissemination and promotion of the revised CNBH to ensure widespread adoption and use by the building and construction industry in Haiti: • Build Change and MTPTC will improve and complete the guide for construction of small building, designed for constructors and homeonwers, in particular regarding cyclonic considerations folowing the CNBH revision. • Build Change and MTPTC will jointly hold a dissemination event aimed at Haiti stakeholders, to provide the broader population. The dissemination event would consist of one main workshop, followed by a multi-month permanent exhibit which will be open to multiple stakeholder strata through open entry and organized visits. • Build Change and MTPTC will jointly launch an awareness campaign about the revised CNBH. This will include radio, TV, and social media clips. • Build Change and MTPTC will deliver training sessions to support the implementation of the revised CNBH among actors in the construction sector, including government agencies and local communities, the private sector, organizations, universities, and professional schools. • The project will share project results with other SIDS and CDRI members. This will include collaborating with CDRI to showcase project results at global conferences which CDRI members are present and making key project outputs available for consultation by CDRI members and SIDS Government stakeholders.

Timeline	The project timeline is 24 months. **Phase 1,** consisting of activity 1. **Duration: 4 months.** **Activity 1. Duration: 4 months.** Engage with stakeholders to gather their perspectives and requirements for the revision of the CNBH and to collaboratively identify the main gaps and areas for improvement in reducing the vulnerability of small buildings to natural hazards including the intensifying effects of climate change within an overall earthquake-and-hurricane-prone hazard profile. Main stakeholders are to include: 1. Government agencies such as the Unité de Construction des Logements et des Bâtiments Publics (UCLBP), the Bureau Haïtien de Normalisation (BHN), the Laboratoire National du Bâtiment et des Travaux Publics (LNBTP), and Institut National de Formation Professionnelle (NFP), as well as others if required. 2. Haitian vocational training institutes as well as the Université d'État d'Haïti. 3. Local industry groups, professional construction practitioners and Haitian civil society organizations. **Phase 2,** consisting of activities 2 through 7. **Duration: 10 months** **Activity 2. Duration: 1 month.** Creation of a national Steering Committee, led by the MTPTC and comprising key stakeholders, to guide and oversee the revision of the national building code of Haiti (CNBH). **Activity 3. Duration: 8 months.** Development of revised building codes and standards that incorporate best practices for reducing the vulnerability of small buildings to climate change, considering local conditions and the needs of different stakeholders. **Activity 4. Duration: 7 months.** Peer-review of major draft work-packages by Haitian technical stakeholders appointed by the MTPTC in collaboration with the CNBH national Steering Committee. **Activity 5. Duration: 1 month.** Review and Comments of draft work-packages by the national Steering Committee. **Activity 6. Duration: 1 month.** Approval and publication of the final revised CNBH by the Steering Committee. **Phase 3,** consisting of activities 7 through 11. **Duration: 10 months** Dissemination and promotion of the revised CNBH to ensure widespread adoption and use by the building and construction industry in Haiti: **Activity 7. Duration : 2 months :** Build Change and MTPTC will improve and complete the guide for construction of small building, designed for constructors and homeonwers. **Activity 8. Duration: 6 months.** Build Change and MTPTC will jointly hold a dissemination event aimed at Haiti stakeholders, to provide the broader population. The dissemination event would consist of one main workshop, followed by a multi-month permanent exhibit which will be open to multiple stakeholder strata through open entry and organized visits. **Activity 9. Duration: 5 months.** Build Change and MTPTC will deliver training sessions to support the implementation of the revised CNBH among actors in the construction sector, including government agencies and local communities, the private sector, organizations, universities, and professional schools. **Activity 10. Duration: 6 months**. Build Change and MTPTC will jointly launch an awareness campaign about the revised CNBH. This will include radio, TV, and social media clips. **Activity 11. Duration: 2 months.** The project will share project results with other SIDS and CDRI members. This will include collaborating with CDRI to showcase project results at global conferences which CDRI members are present and making key project outputs available for consultation by CDRI members and SIDS Government stakeholders.

Procurement plan

Description of goods and services	Procurement category	Type of contract	Unit of measure	Quantity	Estimated Unit price in USD	Estimated budget	Selection process
Vehicle Rental	Operating	Rental	days	39	200	7 800	Non-tender / 3 quotations
Airfare (return)	Travel	Ticket	Unit	4	1 800	7 200	Non-tender
Hotel	Travel	Booking	Nights	28	120	3 360	Non-tender
Telephone & Internet	Operating	Service	Months	366	24	8 784	Non-tender

SDG Targets

Target	Description
Main Goals	
Goal 9. Build resilient infrastructure, promote inclusive and sustainable industrialization and foster innovation	
TARGET_9.a	9.a Facilitate sustainable and resilient infrastructure development in developing countries through enhanced financial, technological and technical support to African countries, least developed countries, landlocked developing countries and small island developing States
Goal 11. Make cities and human settlements inclusive, safe, resilient and sustainable	
TARGET_11.5	11.5 By 2030, significantly reduce the number of deaths and the number of people affected and substantially decrease the direct economic losses relative to global gross domestic product caused by disasters, including water-related disasters, with a focus on protecting the poor and people in vulnerable situations
TARGET_11.c	11.c Support least developed countries, including through financial and technical assistance, in building sustainable and resilient buildings utilizing local materials
Secondary Goals	
Goal 4. Ensure inclusive and equitable quality education and promote lifelong learning opportunities for all	
TARGET_4.3	4.3 By 2030, ensure equal access for all women and men to affordable and quality technical, vocational and tertiary education, including university
Goal 5. Achieve gender equality and empower all women and girls	
TARGET_5.5	5.5 Ensure women's full and effective participation and equal opportunities for leadership at all levels of decision-making in political, economic and public life
Goal 13. Take urgent action to combat climate change and its impacts2	
TARGET_13.2	13.2 Integrate climate change measures into national policies, strategies and planning
TARGET_13.3	13.3 Improve education, awareness-raising and human and institutional capacity on climate change mitigation, adaptation, impact reduction and early warning
TARGET_13.b	13.b Promote mechanisms for raising capacity for effective climate change-related planning and management in least developed countries and small island developing States, including focusing on women, youth and local and marginalized communities

SDG Indicators

Indicator Code	Description
No data available.	

Contribution to SDGs

Participating Organization	% TARGET_11.5	% TARGET_9.a	% TARGET_5.5	% TARGET_13.2	% TARGET_13.b	% TARGET_4.3	% TARGET_13.3	% TARGET_11.c	% Total
Build Change	20	20	5	15	10	5	10	15	100
Total contribution by target	**20**	**20**	**5**	**15**	**10**	**5**	**10**	**15**	
Project contribution to SDG by target	**20**	**20**	**5**	**15**	**10**	**5**	**10**	**15**	**100**

List of documents

Document	Document Type	Document Source	Document Abstract	Document Date	Classification	Featured	Status	Modified By	Modified On
IRAF Haiti Build Change prodoc signed.pdf	Pro Doc	Project	Signed prodoc by all parties.	18-Dec-2023	External	No	Finalized	sophie.baranes@undp.org	19-Dec-2023 11:14:19 AM
CDRI IRIS IPR Build Change Haiti signed.pdf	Other Docs	Project	Intellectual Property Rights	07-Dec-2023	Internal	No	Finalized	louise@buildchange.org	08-Dec-2023 4:25:12 PM
Build Change - Statement of Qualifications - Haiti.pdf	Other Docs	Project Narrative	Build Change Statement of Qualifications - Haiti	01-Feb-2023	Internal	No	Finalized	pierre@buildchange.org	15-Jun-2023 5:38:03 PM
7. Timeline Gantt Chart MPTF_00300_00008 MS Excel.xlsx	Other Docs	Project Narrative	Timeline Gantt Chart	15-Jun-2023	Internal	No	Finalized	pierre@buildchange.org	15-Jun-2023 5:37:41 PM
Letter of endorsement signed.pdf	Other Docs	Project	Letter of Endorsement by MTPTC (2nd phase)	13-Jun-2023	Confidential	No	Finalized	pierre@buildchange.org	15-Jun-2023 5:37:26 PM
2023.06.15 Final Concept Note - Revision of the CNBH.pdf	Concept Note	Project	Build Change & MTPTC Concept Note to CDRI for the project: Revision of the Hatian National Building Code (CNBH)	15-Jun-2023	Confidential	No	Finalized	louise@buildchange.org	15-Jun-2023 6:46:15 AM
Articles of Incorporation _ Name Change - Build Change.pdf	Other Docs	Project	Articles of Incorporation - Name Change	01-Jan-2013	Confidential	No	Finalized	ntufani@hotmail.com	14-Jun-2023 8:20:17 AM
Articles of Incorporation - Build Change - State Certified.pdf	Other Docs	Project	Articles of Incorporation & State Certification	01-Jan-2013	Confidential	No	Finalized	ntufani@hotmail.com	14-Jun-2023 8:19:24 AM

Build Change Financial Policy Handbook 2022.pdf	Other Docs	Project	Financial Policy Handbook	01-Jun-2022	Internal	No	Finalized	ntufani@hotmail.com	14-Jun-2023 8:17:19 AM
BC - Code of Conduct.pdf	Other Docs	Project	Code of Conduct	04-May-2020	Internal	No	Finalized	ntufani@hotmail.com	14-Jun-2023 8:16:34 AM
BC - Anti-Discrimination and Harassment Policy (from Employee Handbook).pdf	Other Docs	Project	Anti Discrimination and Harassment Policy	01-Jun-2023	Internal	No	Finalized	ntufani@hotmail.com	14-Jun-2023 8:15:55 AM
BC - Anti-Collusion and Corruption Statement.pdf	Other Docs	Project	Anti Collusion and Corruption Statement	09-Dec-2020	Internal	No	Finalized	ntufani@hotmail.com	14-Jun-2023 8:15:06 AM
The-Build-Change-Guide-to-Resilient-Housing-compressed.pdf	Lessons Learned/Review Report	Project	Build Change Guide on Resilient Housing	01-Jul-2021	External	Yes	Finalized	ntufani@hotmail.com	14-Jun-2023 8:14:25 AM
AmCross BC QPR Narrative Y2Q9 FINAL181022.pdf	Progress report	Project	Quarterly Report to American Red Cross regarding Housing Reconstruction Project in Nepal where Build Change was American Red Cross' contractor	22-Oct-2018	Confidential	No	Finalized	ntufani@hotmail.com	14-Jun-2023 8:13:15 AM
20200430_GC_BC_Pac Islands Final Report.pdf	Final narrative report	Project	Final Report for ADB Consultancy about SIDS	31-Jan-2020	Confidential	No	Finalized	ntufani@hotmail.com	14-Jun-2023 8:12:23 AM
Contract_for_professional_services BC Signed.pdf	Other Docs	Project	Contract For Professional Services Between Build Change and UNOPS	08-Mar-2018	Very Confidential	No	Finalized	ntufani@hotmail.com	14-Jun-2023 8:11:11 AM
2021-01-18 User Acceptance Report.pdf	Evaluation report	Project	User Acceptance Report	18-Jan-2021	Confidential	No	Finalized	ntufani@hotmail.com	14-Jun-2023 8:10:08 AM
Build Change 2021 Consolidated Financial Statements and Audit Report.pdf	Audit report	Project	Build Change 2021 Consolidated Financial Statements and Audit Report	07-Jul-2022	External	No	Finalized	ntufani@hotmail.com	14-Jun-2023 8:06:15 AM
Build Change 2022 Annual Report.pdf	Annual Report	Project	Build Change 2022 Annual Report	01-Jan-2023	External	No	Finalized	ntufani@hotmail.com	14-Jun-2023 8:05:12 AM

Project Results

<table>
<tr><th>Outcome</th><th>Output</th><th>Description</th></tr>
<tr><td>IRAF OUTCOME 3 - Countries have increased access to knowledge and resources to increase the resilience and inclusivity of their existing and future critical infrastructure systems by 2030</td><td></td><td>CDRI offers direct technical assistance and grants to countries to develop and adopt enhanced disaster resilent and inclusive standards and practices for infrastructure system development through direct calls for proposals, access to relevant knowledge products and solutions meant to address specific geographical or sectoral vulnerabilities, and advisory services.</td></tr>
<tr><td></td><td>Output 3.1 SIDS are better equipped with knowledge and resources to increase the resilience and inclusivity of their critical infrastructure systems</td><td>CDRI will support SIDS countries or regions with the development and adoption of DRI country systems, standards and practices, and access to knowledge products and advisory services that are locally relevant in SIDS contexts.</td></tr>
<tr><td></td><td colspan="2">Activities
<table>
<tr><th>Title</th><th>Description</th><th>Lead Participating Organization</th><th>Participating Organization</th><th>Other Organizations</th></tr>
<tr><td>Activity 10: Sharing of project results with other SIDS and CDRI members</td><td>The project will share project results with other SIDS and CDRI members. This will include collaborating with CDRI to showcase project results at global conferences which CDRI members are present and making key project outputs available for consultation by CDRI members and SIDS Government stakeholders. Output: Project presentation by MTPTC & Build Change staff at one or more international conference.</td><td>Build Change -</td><td></td><td>MTPTC (Government of Haiti)</td></tr>
</table></td></tr>
<tr><td>IRIS result 1: Risk informed and inclusive SIDS infrastructure</td><td></td><td></td></tr>
<tr><td></td><td>IRIS Output 2: Enhanced policies, plans and standards to guide the design, planning and implementation of resilient infrastructure in SIDS</td><td>Provide Haiti with a revised National Building Code to incorporate best practices for building resilient housing that can withstand the impacts of climate change</td></tr>
</table>

Outcome	Output	Description			
	Activities				
	Title	**Description**	**Lead Participating Organization**	**Participating Organization**	**Other Organizations**
	Activity 1: Engage key stakeholders.	Engage with stakeholders to gather their perspectives and requirements for the revision of the CNBH and to collaboratively identify the main gaps and areas for improvement in reducing the vulnerability of small buildings to natural hazards including the intensifying effects of climate change within an overall earthquake-and-hurricane-prone hazard profile. Main stakeholders are to include: Government agencies such as the Unité de Construction des Logements et des Bâtiments Publics (UCLBP), the Bureau Haïtien de Normalisation (BHN), the Laboratoire National du Bâtiment et des Travaux Publics (LNBTP), and Institut National de Formation Professionnelle (NFP), as well as others if required. Haitian vocational training institutes as well as the Université d'État d'Haïti. Local industry groups, professional construction practitioners and Haitian civil society organizations.	Build Change -		MTPTC (Government of Haiti)
	Activity 2. Creation of a national Steering Committee.	Creation of a national Steering Committee, led by the MTPTC and comprising key stakeholders, to guide and oversee the revision of the national building code of Haiti (CNBH).	Build Change -		MTPTC (Government of Haiti)
	Activity 3. Development of revised building codes and standards	Development of revised building codes and standards that incorporate best practices for reducing the vulnerability of small buildings to climate change, considering local conditions and the needs of different stakeholders.	Build Change -		MTPTC (Government of Haiti)
	Activity 4. Peer-review	Peer-review of major draft work-packages by Haitian technical stakeholders appointed by the MTPTC in collaboration with the CNBH national Steering Committee.	Build Change -		MTPTC (Government of Haiti)

Outcome	Output	Description			
	Activity 5. National Steering Committee Review	Review and Comments of draft work-packages by the national Steering Committee.	Build Change -		MTPTC (Government of Haiti)
	Activity 6a. National Steering Committee Approval	Approval of the final revised CNBH by the Steering Committee.	Build Change -		MTPTC (Government of Haiti)
	Activity 6b. Publication	Publication of the Steering Committee.	Build Change -		MTPTC (Government of Haiti)
IRIS result 2: Strengthened knowledge and partnerships to produce locally relevant solutions for infrastructure resilience and inclusivity					
	IRIS Output 2: Networks established or strengthened to generate and disseminate locally relevant solutions for resilient and inclusive infrastructure in SIDS between public and private sector stakeholders	Disseminate the revised National Building Code with key stakeholders across Haiti			

Outcome	Output	Description			
	Activities				
	Title	**Description**	**Lead Participating Organization**	**Participating Organization**	**Other Organizations**
	Activity 8: Dissemination Event & 6-months Exhibit	Build Change and MTPTC will jointly hold a dissemination event aimed at Haiti stakeholders, to provide the broader population. The dissemination event would consist of one main workshop, followed by a 6-month permanent exhibit which will be open to multiple stakeholder strata through open entry and organized visits.	Build Change -		MTPTC (Government of Haiti)
	Activity 9: Training Sessions	Build Change and MTPTC will deliver training sessions to support the implementation of the revised CNBH among actors in the construction sector, including government agencies and local communities, the private sector, organizations, universities, and professional schools. 1000 people trained	Build Change -		MTPTC (Government of Haiti)
	Activity 10: Awareness Campaign	Build Change and MTPTC will jointly launch an awareness campaign about the revised CNBH. This will include radio, TV, and social media clips. 100,000 people reached	Build Change -		MTPTC (Government of Haiti)
	Activity 7 : Construction guide for builders and homeowners	Build Change and MTPTC will review and complete the guide for small buildings to take into account the revision of the CNBH	Build Change -		MTPTC (Government of Haiti)

Signature Indicators

Indicator Title	Component Title	Description	Means of Verification	Category	Cycle	Scope	Value Type	Baseline Value	Baseline Year	Target Value	Target Year	Linked Outcome / Output
No signature indicators available.												

Imported Fund Outcome / Output Indicators

Indicator Title	Component Title	Description	Means of Verification	Category	Cycle	Scope	Value Type	Baseline Value	Baseline Year	Target Value	Target Year	Linked Outcome / Output
IRAF OUTCOME 3 INDICATOR 1 (country systems)		Increase in Nb. of countries that have adopted enhanced disaster resilient and inclusive standards for infrastructure system development and post disaster recovery	CDRI IRAF annual report on direct support to countries	Capacity	Yearly	Country	Number	0	2022	10 countries have adopted enhanced disaster resilient and inclusive standards for infrastructure system development	2027	
IRAF OUTPUT 3.1 - INDICATOR 1 (SIDS)		Nb. of SIDS countries receiving technical support in DRI inclusive policies, plans, standards and/or enhanced DRI gender and age disaggregated and open-source datasets	CDRI IRAF annual report IRIS impact monitoring reports	Capacity	Yearly	Country	Number	0	2022	20 SIDS countries received technical support in DRI inclusive policies, plans, standards and/or enhanced DRI gender and age disaggregated and open-source datasets	2027	

Project Indicators

Indicator Title	Component Title	Description	Means of Verification	Category	Cycle	Scope	Value Type	Baseline Value	Baseline Year	Target Value	Target Year	Linked Outcome / Output
Number of indivudual trained on the new building code		Number of people trained by the MTPTC-Build Change on the new building code during the disseminatio n phase	attendance sheet and certification of training	Beneficiaries	At closure	Country	Number	0	2023	1000	2026	
	No components available.											

Indicator Title	Component Title	Description	Means of Verification	Category	Cycle	Scope	Value Type	Baseline Value	Baseline Year	Target Value	Target Year	Linked Outcome / Output
Number of people sensitized /aware of resilient construction practices.		During the dissemination phase, awarness activities will be perfom to reach out a larger audience to be more familar with resilient construction practices (activity 10&11)	attendance sheet, Newspaper, web, radio and television audience measurement	Beneficiaries	At closure	Country	Number	0	2023	10000	2026	
	No components available.											

Risks

Event	Category	Level	Likelihood	Impact	Mitigating Measures	Risk Owner
Haiti is prone to hurricanes during the Caribbean Hurricane Season (from June 1st to November 30th). This means that there is a possibility that a hurricane strikes Haiti during our 2-year project. If this were to happen, this would affect our ability t	• Operational	Medium	Possible	Moderate	Elements of our project team will be working remotely, and that in the event of a hurricane, we would perform as much remote work as possible to meet the project timeline. On a similar risk mitigation approach, we would halt non-essential project activities in Haiti during the passing of a hurricane and in its immediate aftermath.	Build Change
That Haiti be facing a worsening climate of social instability and lawlessness, that would seriously hamper in-person activities. This would particularly affect the dissemination event and the trainings.	• Political	High	Very Likely	Moderate	The project is designed to be able to --if necessary-- conduct the entirety of Phases 1 and 2 (i.e.: the first 14 months) by remote work. For this we have budgeted for internet connectivity for key project participants to contribute from the safety of their homes, without having to physically meet. The two activities that are the most exposed to a climate of political instability and lawlessness are activities 7 and 8, respectively: (7) The holding of a 6 months-long dissemination event in Port-au-Prince, and (8) the training of 1000 individuals throughout the country. To mitigate their exposures to the risk of the country shutting down, we have purposefully designed the timeline so that trainings and dissemination events can be rescheduled without endangering the project end date. For activity 8, we elected to conduct it during a period of 6 months (to allow for flexibility) AND we planned 5 additional months of buffer for rescheduling. For activity 9, we planned 21 sessions in 5 months (to allow for flexibility in rescheduling) AND we also planned a generous 5 additional months of buffer before the end of the project. Note that Build Change has been operating in Haiti throughout the past 2 years of instability, and that remote work has proven effective and safe.	Build Change

Budget by UNSDG Categories: Over all

Budget Lines	Build Change (7%) *	Total
1. Staff and other personnel	$353,095.35	$353,095.35
2. Supplies, Commodities, Materials	$3,220.00	$3,220.00

Budget Lines		Build Change (7%) *	Total
3. Equipment, Vehicles, and Furniture, incl. Depreciation		$4,750.00	$4,750.00
4. Contractual services		$41,203.00	$41,203.00
5. Travel		$16,460.00	$16,460.00
6. Transfers and Grants to Counterparts		$0.00	$0.00
7. General Operating and other Direct Costs		$48,330.00	$48,330.00
Project Costs Sub Total		**$467,058.35**	**$467,058.35**
8. Indirect Support Costs		$32,694.08	$32,694.08
Total		**$499,752.43**	**$499,752.43**

Budget by UNSDG Categories: 2024

Budget Lines	Fiscal Year *	Description	Build Change (7%) *	Total
1. Staff and other personnel	2024		$200,555.47	$200,555.47
2. Supplies, Commodities, Materials	2024		$1,680.00	$1,680.00
3. Equipment, Vehicles, and Furniture, incl. Depreciation	2024		$2,000.00	$2,000.00
4. Contractual services	2024		$15,884.00	$15,884.00
5. Travel	2024		$0.00	$0.00
6. Transfers and Grants to Counterparts	2024		$0.00	$0.00
7. General Operating and other Direct Costs	2024		$0.00	$0.00
Project Costs Sub Total			**$220,119.47**	**$220,119.47**
8. Indirect Support Costs			$15,408.36	$15,408.36
Total			**$235,527.83**	**$235,527.83**

Budget by UNSDG Categories: 2025

Budget Lines	Fiscal Year *	Description	Build Change (7%) *	Total
1. Staff and other personnel	2025		$111,595.26	$111,595.26
2. Supplies, Commodities, Materials	2025		$1,260.00	$1,260.00
3. Equipment, Vehicles, and Furniture, incl. Depreciation	2025		$0.00	$0.00
4. Contractual services	2025		$20,213.00	$20,213.00
5. Travel	2025		$16,460.00	$16,460.00
6. Transfers and Grants to Counterparts	2025		$0.00	$0.00
7. General Operating and other Direct Costs	2025		$48,330.00	$48,330.00
Project Costs Sub Total			**$197,858.26**	**$197,858.26**
8. Indirect Support Costs			$13,850.08	$13,850.08
Total			**$211,708.34**	**$211,708.34**

Budget by UNSDG Categories: 2026

Budget Lines	Fiscal Year *	Description	Build Change (7%) *	Total
1. Staff and other personnel	2026			$0.00
2. Supplies, Commodities, Materials	2026			$0.00

Budget Lines	Fiscal Year *	Description	Build Change (7%) *	Total
3. Equipment, Vehicles, and Furniture, incl. Depreciation	2026			$0.00
4. Contractual services	2026			$0.00
5. Travel	2026			$0.00
6. Transfers and Grants to Counterparts	2026			$0.00
7. General Operating and other Direct Costs	2026			$0.00
Project Costs Sub Total			**$0.00**	**$0.00**
8. Indirect Support Costs			$0.00	$0.00
Total			**$0.00**	**$0.00**

Performance-based Tranches Breakdown

Tranche			Total
Tranche 1	Build Change (20%)	$99,950.49	$99,950.49
Tranche 2	Build Change (50%)	$249,876.22	$249,876.22
Tranche 3	Build Change (30%)	$149,925.73	$149,925.73
			$499,752.43

Results based budget

Outcome *	Output *	Activity *	Agency *	Budget (USD) *
IRAF OUTCOME 3 - Countries have increased access to knowledge and resources to increase the resilience and inclusivity of their existing and future critical infrastructure systems by 2030			**Sub Total**	**$38,204.23**
	Output 3.1 SIDS are better equipped with knowledge and resources to increase the resilience and inclusivity of their critical infrastructure systems		**Sub Total**	**$38,204.23**
		Activity 10: Sharing of project results with other SIDS and CDRI	Build Change (7%)	$38,204.23
IRIS result 1: Risk informed and inclusive SIDS infrastructure			**Sub Total**	**$273,977.65**
	IRIS Output 2: Enhanced policies, plans and standards to guide the design, planning and implementation of resilient infrastructure in SIDS		**Sub Total**	**$273,977.65**
		Activity 1: Engage key stakeholders.	Build Change (7%)	$17,505.42
		Activity 2. Creation of a national Steering Committee.	Build Change (7%)	$8,396.94
		Activity 3. Development of revised building codes and standards	Build Change (7%)	$162,781.80
		Activity 4. Peer-review	Build Change (7%)	$48,681.95
		Activity 5. National Steering Committee Review	Build Change (7%)	$19,870.12
		Activity 6a. National Steering Committee Approval	Build Change (7%)	$8,370.71
		Activity 6b. Publication	Build Change (7%)	$8,370.71
IRIS result 2: Strengthened knowledge and partnerships to produce locally relevant solutions for infrastructure resilience and inclusivity			**Sub Total**	**$187,570.54**

	IRIS Output 2: Networks established or strengthened to generate and disseminate locally relevant solutions for resilient and inclusive infrastructure in SIDS between public and private sector stakeholders		**Sub Total**	**$187,570.54**
		Activity 8: Dissemination Event & 6-months Exhibit	Build Change (7%)	$41,048.99
		Activity 9: Training Sessions	Build Change (7%)	$90,270.06
		Activity 10: Awareness Campaign	Build Change (7%)	$46,251.49
		Activity 7 : Construction guide for builders and homeowners	Build Change (7%)	$10,000.00
Total				**$499,752.42**

Budget per Gender (GEWE)

	Build Change	**Total $**
$ Towards GEWE	**$0.00**	**$0.00**
% Towards GEWE		**0.00%**

Programme Outcome Costs

Outcome	**Output**	**Activity**	**Implementing Agent**	**Time Frame**								
				2024				**2025**				**2026**
				1	**2**	**3**	**4**	**1**	**2**	**3**	**4**	**1**
IRAF OUTCOME 3 - Countries have increased access to knowledge and resources to increase the resilience and inclusivity of their existing and future critical infrastructure systems by 2030												
	Output 3.1 SIDS are better equipped with knowledge and resources to increase the resilience and inclusivity of their critical infrastructure systems											
		Activity 10: Sharing of project results with other SIDS and CDRI										
			Build Change	☐	☐	☐	☐	☐	☐	☑	☐	☐
IRIS result 1: Risk informed and inclusive SIDS infrastructure												
	IRIS Output 2: Enhanced policies, plans and standards to guide the design, planning and implementation of resilient infrastructure in SIDS											
		Activity 1: Engage key stakeholders.										
			Build Change	☐	☐	☐	☐	☐	☐	☐	☐	☐
		Activity 2. Creation of a national Steering Committee.										
			Build Change	☑	☐	☐	☐	☐	☐	☐	☐	☐
		Activity 3. Development of revised building codes and standards										
			Build Change	☑	☑	☑	☐	☐	☐	☐	☐	☐
		Activity 4. Peer-review										
			Build Change	☑	☑	☑	☐	☐	☐	☐	☐	☐
		Activity 5. National Steering Committee Review										
			Build Change	☐	☐	☐	☑	☐	☐	☐	☐	☐
		Activity 6a. National Steering Committee Approval										
			Build Change	☐	☐	☐	☑	☐	☐	☐	☐	☐
		Activity 6b. Publication										
			Build Change	☐	☐	☐	☑	☐	☐	☐	☐	☐
IRIS result 2: Strengthened knowledge and partnerships to produce locally relevant solutions for infrastructure resilience and inclusivity												
	IRIS Output 2: Networks established or strengthened to generate and disseminate locally relevant solutions for resilient and inclusive infrastructure in SIDS between public and private sector stakeholders											
		Activity 8: Dissemination Event & 6-months Exhibit										
			Build Change	☐	☐	☐	☑	☑	☑	☐	☐	☐
		Activity 9: Training Sessions										
			Build Change	☐	☐	☐	☐	☑	☑	☐	☐	☐

Outcome	Output	Activity	Implementing Agent	Time Frame								
				2024				2025				2026
				1	2	3	4	1	2	3	4	1
		Activity 10: Awareness Campaign										
			Build Change	☐	☐	☐	☐	☑	☑	☑	☐	☐
		Activity 7 : Construction guide for builders and homeowners										
			Build Change	☐	☐	☐	☑	☐	☐	☐	☐	☐