TERMS OF REFERENCE FOR INDIVIDUAL CONSULTANTS

Title: International Consultant-Children's Climate Risk Index & Disaster Risk Model for Bangladesh	WBS/Funding Reference/Activity/IR	**Type of engagement** ☒ Consultant	**Workplace of Consultant:** (in country) Dhaka
Grant:	**GL Account:** *Enter GL Account Code*		**Fund ID:** *Enter Fund Code, e.g. SC,SM,GC*

Background:

Disasters, climate change, and environmental degradation present significant and escalating threats to the well-being of children globally. In order to protect the lives, health and well-being of children and strengthen the resilience and capacity of their communities to adapt essential social services to a changing climate, more frequent/extreme disasters and a degrading environment, a comprehensive child-inclusive subnational risk assessment along with data systems and policies that work across development and disaster management to identify and prioritize the most vulnerable children and services are needed. This data and analysis can be used to inform multiple purposes: disaster risk reduction and climate change adaptation, preparedness planning, and wider development agendas.

Bangladesh continues to suffer from escalating humanitarian challenges, driven by climate change and related natural disasters, and increased public health crises. Climate-induced emergencies disproportionately affect different population groups, with pre-existing gender inequalities worsening the adverse impacts on women, children, people with disabilities, and gender-diverse individuals. In 2024, a total of 18.4 million people had been impacted by floods and cyclones in Bangladesh, including 7 million children.

Overall, women and children are particularly vulnerable climate-related risks, as the crises have deepened inequalities in affected areas while the recent civil unrest weakened coordination structures. UNICEF is seeking a dedicated, proactive international consultant to work closely with the UNICEF Bangladesh country team, Government and Non-Government partners to support in developing a theoretical framework for the CCRI-DRM model, facilitating the identification of indicator data sets and the construction of the CCRI_DRM index indicators and model with government line ministries, and the preparation of tools, procedures, and documentations for the development of the CCRI-DRM. Once risk is understood and informed by data, high level sectoral briefs shall be prepared to inform sector priorities for the mainstreaming of climate resilience and mitigation/adaptation investments in Bangladesh. The objective of the CCRI-DRM is to support the establishment of a national-led, multi-stakeholder framework on the nexus between children's climate and disaster risks and the development of their full potential in Bangladesh.

The initiative will support Bangladesh to respond to the need for an integrated child-sensitive disaster risk information system and platform for governmental institutions at national and subnational levels. The CCRI-DRM platform will bring together data from different sources that already exist across various institutions and subsequently provide humanitarian and development partners with up-to-date, context-specific information at subnational level on children's vulnerabilities, including those related to health, education, water, sanitation and hygiene, child protection and social protection, and their exposure to climate, environmental and other natural and anthropogenic hazards, shocks and stresses and disasters. This will allow for the development of tailored preparedness, mitigation, and response mechanisms informed by subnational risk data and analysis.

Purpose of the Activity/Assignment:

The consultant will support the Bangladesh Country Office in developing a theoretical framework for the CCRI-DRM model, facilitating the identification of indicator data sets and the construction of the CCRI_DRM index indicators and model in collaboration with government line ministries, and the preparation of tools, procedures, and documentations for the development of the CCRI-DRM. Once risk is understood and informed by data, high level sectoral briefs shall be prepared to inform sector priorities for the mainstreaming of climate resilience and mitigation/adaptation investments in Bangladesh.

The objective of the CCRI-DRM is to support the establishment of a national-led, multi-stakeholder framework on the nexus between children's climate and disaster risks and the development of their full potential in Bangladesh. This will allow for the development of tailored preparedness, mitigation, and response mechanisms informed by subnational risk data and analysis.

The consultant will support the development and implementation of the first version of the Bangladesh subnational CCRI-DRM assessment and Geosight platform, from building stakeholder arrangements, conceptual design, consolidation of the CCRI-DRM indicator data the construction of index, including a series of consultations and trainings of key national partners. S/he will work under the general guidance and supervision of the Chief of Field Services and engage and work closely with the Programme Specialist- Climate and UNICEF programme sector focal points and Government and Non-Governmental partners during this exercise.

Scope of the Work

The selected consultant is expected to work under the overall guidance and supervision of the Chief of Field Service and deliver the below :

- Support the establishment of a multi-stakeholder Steering Committee and Technical Working Group (TWG) to guide and facilitate the development of the CCRI-DRM.
- Conduct a participatory diagnosis of national capacities to provide reliable, objective, timely and sustainable information to feed the CCRI-DRM model and interactive platform.
- Conduct research, review existing tools, and contextualise the tools and sources of shocks and stresses, exposure and vulnerability data and information and work with respective Government and Non-Government partners to identify existing risk factors and available indicators and data sources for the construction of the subnational CCRI-DRM model.
- Facilitate and support the development of the theoretical framework of the country's subnational CCRI-DRM model and the establishment of indicators and data sources, based on that of the global Children's Climate Risk Index, in consultation with the TWG and other relevant stakeholders.
- Facilitate and support the development and implementation of the first version of Bangladesh's subnational CCRI-DRM model in close collaboration with the TWG, including collection, compilation and cleaning of secondary indicator data; establishing data sharing mechanisms, procedures and tools; constructing the model indices and documenting metadata; managing a review and validation process with the TWG and other stakeholders and making necessary revisions to the model; preparing documentation of the model and it's results; and presenting and explaining the model and results to TWG and associated stakeholders.
- Support complementary sectoral analysis, including the subnational level to support sector decision-making and prioritising.
- Work in close collaboration with the TWG and UNICEF information management team throughout the process and deliver training so they can maintain the model and interactive platform and make updates and adjustments in the future.
- Support youth engagement throughout the process, enabling them to share ideas and opinions to inform practice and policy decisions as agents for change.
- Prepare all the data in a disaggregated manner (District, Upazila) to make it feasible to visualize on the Geosight Platform in collaboration with the UNICEF Emergency Officer/IM

Budget Year	Requesting Section/Issuing Office:	Reasons why consultancy cannot be done by staff:
2025	Field Services	The development of the CCRI DRM requires extensive technical expertise and experience in developing similar models and staff member within UNICEF has the technical skills, knowledge and expertise required in the field of building climate risk disaster models.

Included in Annual/Rolling Workplan: ☒ **Yes** ☐ No, please justify:

Consultant sourcing:
☐ National ☒ International
Consultant selection method:
☐ Competitive Selection (Roster)
☒ Competitive Selection (Advertisement/Desk Review[1]/Interview)
☐ Single Sourcing (exceptional, only in emergency situations, approval by Head of Office required)

Name (in case of single sourcing/extension)	Justification or Refer to NFR (in case of single sourcing/extension)		
Supervisor: **Antonio Franco Garcia,** **Chief Field Services**	**Start Date:** **18/05/2025**	**End Date:** **01/09/2025**	**Number of Days (working)** **60 Days**

Work Assignment Overview			
Tasks/Milestone:	**Deliverables/Outputs:**	**Timeline**	
Engage and map key stakeholders including government bodies, academic institutions, civil society organizations, UN agencies, and private sector partners; assess the feasibility, relevance, and institutional arrangements needed for a CCRI-DRM subnational risk assessment and visualization platform; define coordination mechanisms to support collaboration and implementation.	Inception report submitted, including stakeholder mapping, feasibility assessment, institutional arrangement plan, and detailed workplan for CCRI-DRM development.	10	
Conduct stakeholder consultations to design the theoretical framework of the CCRI-DRM Subnational Model; identify and select the best available indicators and secondary data sources; collect indicator datasets from publicly available sources; pre-process and integrate indicator datasets for model development; construct, refine, validate, and adjust the CCRI-DRM Subnational Model. Review and assess the model's effectiveness and accuracy, define the CCRI Model Structure and Components; establish a multi-layer structure for the CCRI composite index by integrating relevant indicators; define the key domains of risk: hazards, shocks, stresses, exposure, and vulnerability; ensure a balanced representation of risk factors across the two pillars	Finalized theoretical framework for the CCRI-DRM model, including a structured list of indicators and key domains of risk (hazards, shocks, stresses, exposure, and vulnerability), domains of risk, metadata documentation, and a methodology for indicator selection, ensuring a balanced representation of risk factors across the two pillars.	10	

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[1] A Desk Review should only be considered as a selection method when there is a justifiable urgency.

(**Pillar 1:** Exposure to Multiple Hazards, Shocks, and Stresses, **Pillar 2:** Child Vulnerability). Identify data sources for assessing climate, environmental, geophysical, and human hazards (e.g., conflict); determine indicators for child vulnerability, including health, nutrition, education, social protection, child protection, and WASH.			
Development of a subnational Children's Climate Risk Index - Disaster Risk Model for Bangladesh: develop the computational framework and risk calculation formula for CCRI-DRM indices; integrate selected indicators into a coherent model structure; validate the model structure and formula through stakeholder consultations and technical expert review; develop the **risk formula** for calculating the CCRI and CCRI-DRM indices: **Risk Score = Average (Exposure to Multiple Hazards, Shocks, and Stresses + Child Vulnerability).** Integrate the selected indicators into a computational framework for risk assessment; ensure the model is adaptable to different geographic and demographic contexts.	Finalized and validated CCRI-DRM risk calculation formula, computational model structure, and technical documentation including metadata and indicator integration details.	5	
Complete data collection, preprocessing, and integration of data from various sources for risk assessment into the CCRI-DRM model; conduct a model validation process involving national stakeholders and technical experts; refine the CCRI-DRM model structure and components based on validation feedback to ensure predictive accuracy and policy relevance.	Validated and refined CCRI-DRM model structure based on stakeholder consultations and expert review and finalized integrated dataset ready for application.	5	
Develop operational guidelines for the application of the CCRI-DRM model in risk assessment, disaster risk management, and climate resilience programming; align the guidelines with national and regional policy frameworks; deliver training sessions for government partners and UNICEF teams on the interpretation and application of the CCRI-DRM outputs.	Operational Guidelines for CCRI-DRM application finalized and aligned with national and regional policies; training sessions for relevant stakeholders completed.	10	
Upload CCRI-DRM model data onto UNICEF's GeoSight Platform, ensuring compatibility with national and regional data systems; integrate geospatial layers representing hazard exposure, vulnerability, and contextual factors; develop user	Platform integration completed through upload data on GeoSight for child climate and disaster risk geospatial data	10	

manuals and deliver training to national stakeholders on using GeoSight for decision-making and climate risk analysis. Development of a CCRI-DRM analytical report to support the alignment and coordination of planning and programming efforts of national actors including UNICEF informed by identified child vulnerabilities and risks from climate change, environmental and other shocks and stresses.	Training of stakeholders on using GeoSight for decision-making completed. User guidelines elaborated for stakeholders. CCRI-DRM analytical report submitted and approved.		

Terms of payment	☒ Payment based on approved invoice upon completion of each deliverable according to schedule. ☐ Payment based on approved invoice and final evaluation upon completion of all deliverables at the end of assignment. ☐ Fee advance, percentage (up to 10 % of total fee)

Minimum Qualifications required: ☐ Bachelors ☒ Masters ☐ PhD ☐ Other Social Sciences/ Data Science/ Public Policy/Public Administration	**Knowledge/Expertise/Skills required:** • Master's degree in Degree in Social Sciences, Data Science, Statistics, Public Policy, Development, or related degree areas of work. In lieu of an advanced degree, a bachelor's degree may be accepted in combination with 8 years of relevant experience. • Good background and skills in facilitating training, workshops, coaching, and mentoring others. • Proficient in Word, PowerPoint, and Excel or other statistical analysis software. • Ability to work in a multi-disciplinary team and support unexpected tasks. • Previous experience in similar activities with the UN or other international organizations will be an added advantage • Demonstrate knowledge, experience understanding of the Bangladesh context especially in the area of social protection, • Ability to speak and write both in English and Bangla language with a minimum level of professionalism.
Administrative details: Visa assistance required: ☐ Transportation arranged by the office: ☐	☒ Home Based ☐ Office Based: If office based, seating arrangement identified: ☐ IT and Communication equipment required: ☐ Internet access required: ☐

Hiring Manager	Request Verified by HR:
Request authorized by	*Name and signature:*

Endorsement of Chief Field Services

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        Name and signature

Approval of Deputy Representative (Programme)/ Deputy Representative (Operations)

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        Name and signature

Selected candidates are subject to confirmation of fully-vaccinated status against SARS-CoV-2 (Covid-19) with a World Health Organization (WHO)-endorsed vaccine, which must be met prior to taking up the assignment. It does not apply to consultants who will work remotely and are not expected to work on or visit UNICEF premises, programme delivery locations or directly interact with communities UNICEF works with, nor to travel to perform functions for UNICEF for the duration of their consultancy contracts.

UNICEF offers reasonable accommodation for consultants with disabilities. This may include, for example, accessible software, travel assistance for missions or personal attendants. We encourage you to disclose your disability during your application in case you need reasonable accommodation during the selection process and afterwards in your assignment.

Checklist for VA and hiring managers

1. Technical Offer:
Based on the careful study of the TOR and deliverables, provide (1) information on the way you intend to achieve the outputs of the assignment and complete the deliverables. (2) Please elaborate on the timeline and milestones. (3) Also indicate references to the similar assignments that you performed & their contacts, and (4) attach your CV.

2. Financial Offer:
Should be an all-inclusive (lump-sum) fee for all deliverables and complete output of the assignment as described in the TOR. It should include among others consultancy fee, associated administrative cost, all living and travel cost (please see travel plan in the TOR if applicable). UNICEF will not cover any additional cost. Payment schedule that is linked to milestones and completed deliverables should be included.

The offers will be evaluated as follows:

Criteria	Weight	Points/amount
Qualifications	*20%*	*20*
• Education qualification	5%	5
• Years of relevant experience	10%	10
• Experience conducting similar assignments for UNICEF and/or other relevant similar organizations.	5%	5
Technical Offer	*50%*	*50*
• Technical offer aligned with TOR	30%	30
• Quality of proposed implementation plan, i.e. how the bidder will undertake each task and time-schedules;	10%	10
• Risk assessment - recognition of the risks/peripheral problems and methods to prevent and manage risks/peripheral problems.	10%	10
Financial Offer	*30%*	*30*
• Payment schedule linked to milestones	15%	15
• All-inclusive fee	15%	15
TOTAL	*100%*	*100*

Child Safeguarding Certification
(to be completed by Supervisor of the post)

[**Child Safeguarding**](link) refers to proactive measures taken to limit direct and indirect collateral risks of harm to children, arising from UNICEF's work or UNICEF personnel. Effective 01 January 2021, Child Safeguarding Certification is required for all recruitments.

1.Is this position considered as "elevated risk role" from a child safeguarding perspective? * If yes, check all that apply below.	☐ Yes ☒ No
2a. Is this a Direct* contact role?	☐ Yes ☒ No
2b. If yes, in a typical month, will the post incumbent spend more than 5 hours of direct interpersonal contact with children, or work in their immediate physical proximity, with limited supervision by a more senior member of personnel. *"Direct" contact that is either face-to-face, or by remote communicate, but it does not include communication that is moderated and relayed by another person.*	☐ Yes ☒ No
3a. Is this a Child data role? *:	☐ Yes ☒ No
3b. If yes, in a typical month, will the incumbent spend more than 5 hours manipulating or transmitting personal-identifiable information of children (names, national ID, location data, photos) * "Personally-identifiable information", in this context, means any information relating to a child who can be identified, directly or indirectly, by an identifier like a name, ID number, location data, photograph, etc. This is a "child data role".*	☐ Yes ☒ No
4. Is this a Safeguarding response role* *Representative; Deputy representative; Chief of Field Office; the most senior Child Protection role in the office; any focal point that the office designated for Child Safeguarding; Investigator (Office of Internal Audit and Investigations*	☐ Yes ☒ No
5. Is this an Assessed risk role*? *The incumbent will engage with particularly vulnerable children[2]; or Measures to manage other safeguarding risks are considered unlikely to be effective[3].*	☐ Yes ☒ No

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[2] *Common sources or signals of additional vulnerability may include but are not limited to: age of the child (very young children); disability of the child; criminal victimization of the child; children who committed offences; harmful conduct by the children to themselves or others; lack of adequate parental care of the children; exposure of the children to domestic violence; a humanitarian context; a migrant (refugee/asylum-seeking/IDP) context. No 'baseline' vulnerability will be set. Hiring Managers will need to use judgment, taking into consideration the implications that follow from an assessed risk role (additional vetting scrutiny, training).*
[3] *i.e. the role-risk will be compounded by other residual risks.*