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Pre-proposal Conference

Climate and Disaster Vulnerability Index

***An index to measure the resilience of vulnerable populations in
relation to climate change and natural disasters in Bangladesh***

14 August 2014, IDB Bhaban, Dhaka

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UNDP Bangladesh**



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Agenda:

- Opening remarks from CCED Cluster-UNDP/UNDAF Bangladesh Pillar 5 Lead and ERF-UNDP
- Overview of the assignment /Climate and Disaster Vulnerability Index (presentation by UNDP) – 30 minutes
- Preliminary works of UNDP on Climate and Disaster Vulnerability Index (presentation by UNDP) – 30 minutes
- Questions/answers and open floor discussion – 30 minutes

Objective(s) of the assignment:

- 1. Finalize a clear and meaningful Climate and Disaster Vulnerability Index (CDVI) in participatory manner, and collect baseline data for the vulnerability index through a representative sample HH survey of the vulnerable districts across Bangladesh in order to **measure progress towards resilience of vulnerable population, from climate change and natural disaster, living in Bangladesh.****
- 2. Monitor United Nations Development Framework (UNDAF) Bangladesh 2012-2016 results under climate change and natural disaster outcome.**

Key Tasks Under the Assignment

1. Strengthen Climate and Disaster Vulnerability Index (CDVI)
2. Organize validation workshop for the CDVI
3. Design and conduct nationally representative HH Survey to collect baseline data for the vulnerability index
4. Establish CDVI baseline at national, district and Upazila levels – using HH Survey and other available data, and GIS maps
5. Develop ICT based MIS and plan for periodic monitoring of the CDVI at national, district and upazila levels
6. Dissemination workshop on CDVI
7. Layout designing and publication of the study report



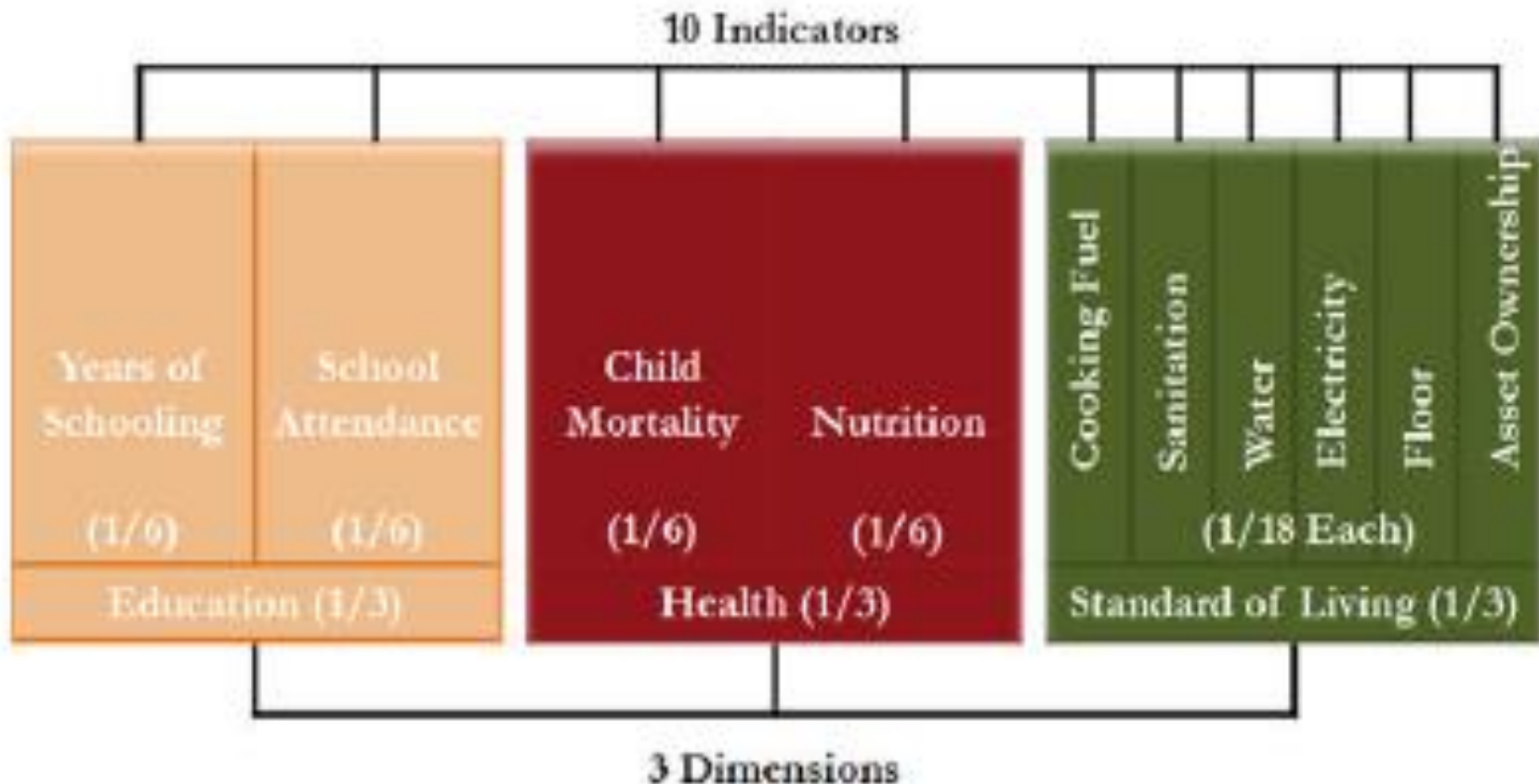
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1. Strengthen Climate and Disaster Vulnerability Index (CDVI)

- Review the preliminary report on CDVI already prepared with assistance from UNDP Bangladesh and available other relevant literatures.
- Strengthen the CDVI in participatory manner involving beneficiaries, government agencies and other organizations working in similar issues.
- The final set of the vulnerability index should be shaped in clear, meaningful and easily understandable form following sound scientific methodology and rationale.
- The vulnerability index is expected to be designed in similar form of Multi-Dimensional Poverty Index, Human Development Index, or others widely recognized indices used in development sector.

1. Strengthen Climate and Disaster Vulnerability Index (CDVI)

An example: Multi-dimensional Poverty Index (MPI) used in development sector:



2. Organize validation workshop for the CDVI



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- Organize the validation workshop on the vulnerability index involving the relevant government agencies and key stakeholders (*UNDP will support in finalizing participant list*).
- Incorporate validation workshop's inputs and finalize the index.

3. Design and conduct nationally representative HH Survey to collect baseline data for CDVI



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- Design and implement HH Survey
- Nationally representative sample of the vulnerable districts across Bangladesh - covering major climate and natural disaster hazards including **cyclones, floods, drought, landslides, waterlogging, flashfloods, cold-waves, salinity, and storm surges** among others.
- The consulting firm to **propose appropriate and statistically valid sample size** that represents sample HHs covering major climate change and natural disaster related hazard areas/districts.
- The Data collection and analysis of the survey should prioritize on gender disaggregation where applicable.

4. Establish CDVI baseline at national, district and Upazila levels and GIS mapping



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- Develop sound statistical tools and methodology to measure degree of vulnerability and resilience at national, and each district and Upazila level following the finalized CDVI and the baseline survey.
- Establish CDVI baseline values at national, and each district and upazila level using statistical modeling of the HH Survey data and other available data.
- Categorize the all districts and upazilas into **highly-vulnerable**, **medium-vulnerable** and **low-vulnerable** using their CDVI baseline values along with GIS based CDVI mapping.

5. ICT based MIS and plan for periodic monitoring of the CDVI



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- Develop ICT based MIS along with tools and plan for periodic monitoring of the CDVI at national, district and upazila levels for future operationalization.

6. Dissemination workshop on CDVI

- Organize a dissemination workshop to share the methodology and findings of CDVI Study.
- Key stakeholders including, DDM, MoDMR, MoEF, BBS, ISRT, UN Agencies I/NGOs, academia, Development Partners should be invited. (*UNDP will support in finalizing participant list*)

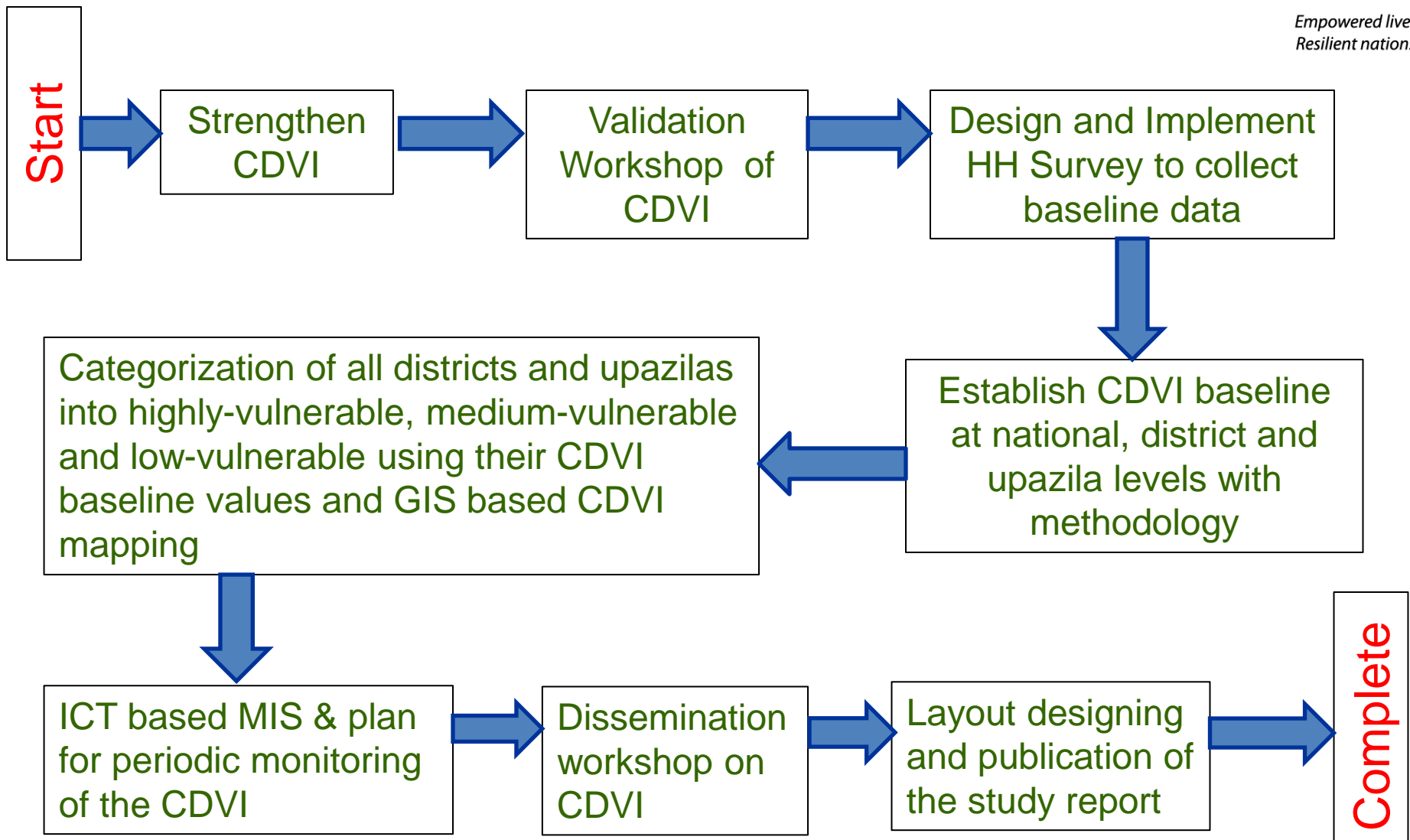
7. Layout designing and publication of the study report



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- High quality published CDVI Study Report 500 sets consisting two parts (brief summary report and detail report).

Flow Chart of Key Tasks/Deliverables:





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Operational Issues for Proposal Submission

Minimum Qualifications Requirement of the Successful Contractor (eligibility criteria)



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1. Qualification of the firm/organization:

- Profile – describing the nature of business, field of expertise, licenses, certifications, accreditations;
- Valid Business Licenses – Registration Papers, Tax Payment Certification, etc.
- At least 7 years in Monitoring & Evaluation of large scale Government / Development Partners supported policies, programmes and projects.
- Experience in undertaking similar type of research on climate and natural disaster vulnerability analysis (documentation of previous similar assignment must be provided)
- Interested international company/bidder must have local presence in Bangladesh (needs proof)
- Latest Audited Financial Statement
- Written Self-Declaration.(Annex 3)

Minimum Qualifications Requirement of the Successful Contractor (eligibility criteria)



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Qualification of the Team Leader:

- Post-graduate degree or equivalent (preferably Ph. D.) in economics, statistics, GIS, social sciences, geography, environment science, disaster management or in relevant field.
- Ten years of professional experience in computer aided simulation tools for composite index development, application of statistical software package, factor analysis, GIS/MIS, planning, monitoring and evaluations of development programmes/projects.
- Past experience as a team leader for similar assignments.

Minimum Qualifications Requirement of the Successful Contractor (eligibility criteria)



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Qualification of the Team members

- **Disaster Risk Reduction-Climate Change Specialist** must have at least 7 year experience in research, survey and assessment in the relevant fields.
- **Environmental Economist** must have at least 7 year experience in research, survey and assessment in the relevant fields.
- **Geographic Information System (GIS) Specialist** must have at least 7 year experience in disaster and climate change related mapping with clear understanding of Bangladeshi context.
- **Management Information System (MIS) Specialist** must have at least 7 year experience in the relevant fields.
- **Statistician** must have proven knowledge and 7 year experience on sampling, survey designing, statistical software (such as SAS, SPSS, STATA and so on), statistical/economic modelling, data analysis and complex data interpretation skills.

BASIS OF TECHNICAL EVALUATION

Criteria	Weight	Empowered lives. Resilient nations. Max Points
Technical Evaluation	700	
1. Background experience/ Expertise of Firm		350
▪ Profile and experience of the organization.		75
▪ Professional experience in developing indicators, composite indices, application of statistical software, computer aided simulation tools for composite indicators		75
▪ Proven expertise on socio-economic modeling, statistical software applications and ICT based monitoring tools/MIS development		75
▪ Solid experience in designing and implementing larger scale nationwide survey – preferably in the field of climate change and disaster		75
▪ Knowledge of current issues on innovation in results-oriented monitoring, including trends, principles and methodology		50
1. Adequacy and comprehensiveness of the proposal (concept, approach, work plan)		250
▪ Proposed methodology and approach of managing the CDVI Study		100
▪ Methodology for communication, management and quality assurance.		50
▪ Proposed time-line and high-level plan.		50
▪ Overall organization and quality of the technical proposal.		50
Skills and experience of the Proposed Team		100
▪ Composition and experience of proposed team.		100
Financial Evaluation	300	300
Total		1000



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Reminder !

- Please read the bidding document carefully and respond accordingly
- Technical and financial proposal must be submitted in separate closed envelop
- Deadline for Proposal Submission: 3.00 PM (Bangladesh local time) on 26 August 2014 (Tuesday)