
Terms of Reference
Egypt Fourth National Communication Project (NC4-Egypt)
Preparing a Technical Report to Facilitate Development National Framework of
Vulnerability and Adaptation Chapter
Adaptation & Vulnerability Expert - (National Expert only)

1. Background

The Fourth National Communication Project (NC4Egypt) was launched in March 2018 and it's implemented under the supervision of Egyptian Environmental Affairs Agency (EEAA) and the United Nations Development Program (UNDP) and the funded by the Global Environment Facility (GEF) to help Egypt better understand the current and expected impacts of climate change in the different sectors, identify opportunities for mitigation interventions and recommend adaptation measures to climate change.

According to Article 4, paragraph 1, and Article 12, paragraph 1 of the United Nations Framework Convention on Climate Change (UNFCCC), each Party shall communicate to the Conference of the Parties (COP), through the secretariat, the following elements of information: (a) a national inventory of anthropogenic emissions by sources and removals by sinks of all greenhouse gases not controlled by the Montreal Protocol, to the extent its capacities permit, using comparable methodologies to be promoted and agreed upon by the COP; (b) a general description of steps taken or envisaged by the Party to implement the Convention; and (c) any other information that the Party considers relevant to the achievement of the objective of the Convention and suitable for inclusion in its communication, including, if feasible, material relevant for calculations of global emission trends.

Egypt as a non-Annex I Party to the Convention has prepared and submitted its Initial, Second and Third National Communications in 1992, 2010 and 2016 respectively. In 2015, Egypt has submitted a report on the Egyptian Intended Nationally Determined Contributions (INDCs) towards achieving the objectives of the United Nation Framework Convention on Climate Change (UNFCCC) in accordance with Decisions 1/CP.19 and 1/CP.20, Also, Egypt has developed the Low Emission Development Strategy (LEDS) and its First Biennial Update Report (BUR).

According to *Paris Agreement*

1. **Article 4.2;** *“each Party shall prepare, communicate and maintain successive nationally determined contributions that it intends to achieve. Parties shall pursue domestic mitigation measures with the aim of achieving the objectives of such contributions”.*
2. **Article 4.3:** *“Each Party’s successive nationally determined contribution will represent a progression beyond the Party’s then current nationally determined contribution and reflect its highest possible ambition.”*
3. **Article 4.9:** *“Each country shall communicate a nationally determined contribution every five years”*



2. Objective

The project aims to hire an **Adaptation & Vulnerability Expert** to provide a comprehensive overview and analysis of the climate change risks that can have a negative impact on Egypt

It is anticipated that the work conducted in close cooperation with the Ministry of Environment, key ministries, partner projects and national experts with experience in working with climate change previous projects (e.g., BUR, TNC, ...etc.).

The **Adaptation & Vulnerability Expert** will achieve the following days to develop the short Technical Report and Vulnerability and Adaptation Chapter.

Position	Estimated number of INDICATIVE Working Days
Adaptation & Vulnerability Expert	15

3. Scope of Work

The assignment expert on Adaptation & Vulnerability will support effective delivery of the activities described hereinafter. The incumbent will work under supervision of and in close cooperation with the Project Manager.

The Consultant is required to:

1. Review of a number of strategic documents, including but not limited to:
 - Egypt’s Climate Change Interactive Vulnerability Map project
 - National Communication and BUR reports
 - High-level climate adaptation policy briefs
 - Sustainable Development Strategy: Egypt Vision 2030
 - National Strategy for Adaptation to Climate Change and Disaster Risk Reduction (2011)
 - National Environmental, Economic and Development Study (NEEDS) for Climate Change
 - UNDP/EEAA Potential economic impacts of climate change in Egypt (2013)
 - National Strategy for Mainstreaming Gender in Climate Change (2012)
2. Review sectoral and regional climate change strategies in Egypt including water resources, agriculture, coastal zones, health, etc.
3. Identify national climate change initiatives supported by Government authorities and development partners UNDP, IFAD, FAO, UNHABITAT, GIZ, WFP, etc. including but not limited to the following:

- IFAD-GEF/MoA Sustainable Agriculture Investments and Livelihoods Project (SAIL) (2014-2023)
 - WFP-GEF/MoA Building Resilient Food Security Systems to Benefit the Southern Egypt Region Project (2013-2018).
 - Participatory Development Programme in Urban Areas (PDP) (2012-2018)
 - UNDP-GEF/MWRI adaptation to Climate Change in the Nile Delta Through Integrated Coastal Zone Management Project (2009-2017)
 - UNDP-GCF/MWRI Climate Change Adaptation in the North Coast and Nile Delta Regions in Egypt Project (2018-2024)
4. Collect necessary data and relevant information for adaptation scenarios development. In consultation with the NC4-Egypt Project Manager on methodology/ies and sources for collecting required documents, data and information.
1. Confirm national climate primary and secondary risks and adaptation priority areas
 2. Assess gaps in climate risk information identified and climate scenarios developed for vulnerable sectors (minimum four sectors)
 3. Scan and identify gaps of existing climate scenarios, sector-based and socio-economic climate risk assessments, and climate risk data available
 4. Identify most significant climate change risks in Egypt including droughts, flash floods, extreme weather events, sea surges, crop failures, etc.

4. Data Provisions

1. All the data/information required is the responsibility of the Consultants
2. The NC4-Egypt Project can support the Consultants by issuing Official Support Letters to facilitate the data collection from Governmental entities and provide any available documents from previous projects).

5. Deliverables:

Under guidance and supervision of the Project Manager, the V&A Expert will deliver the following deliverables taking into account Duration (as in Section 7) and Milestones (as in Section 8) and the work plan:

5.1: A Technical report that supports the development of Technical Climate Change report as per the following indicative ToC

- Executive summary (Arabic/English)
- Introduction
- National climate change adaptation context in Egypt
- Introduction to risk management methodological approach
- Comparison between risk assessment/ geographical approach and sectoral approach
- Gaps analysis detailing needed scientific information for climate risk assessment

- Overview of main climate risks in Egypt including general impacts, main stakeholders, vulnerable groups, proposed response/adaptation measures, relevant ongoing initiatives, gender issues, etc
- Assessment of response measures
- Analysis of adaptation measures cost
- Proposed design for institutional setup and task forces to conduct a comprehensive National Climate Risk Assessment

5.2. Two Presentations on the final deliverable under 5.1 to the National Climate Change Council and expert meeting [or as per identified by the Project Manager). The Adaptation Expert is expected to lead two consultation roundtables with national experts.

All deliverables will have to be delivered in electronic formats to Fourth National Communication Project (NC4Egypt) as a MS Word document and PDF.

6. Qualification and Experience:

All Consultants should meet the following minimum qualifications and skills:

1. A minimum of M.Sc. degree in environment or water, agriculture, natural resources related studies or other related disciplines.
2. Good understanding of the national environment/development issues as well as being aware of national obligation towards the UNFCCC with an institutional development experiences.
3. At least of 7 years of working experience in the area relevant to the Climate Change Adaptation, particularly the mentioned scope of work in section 3 above.
4. Substantial involvement in previous National Communications or BUR are highly preferred.
5. Excellent communication (written and oral) skills.
6. Demonstrated experience in working with government, donors and the United Nations system.
7. Appropriate experience working with government structures at local levels, and working with NGOs and private sector.
8. Excellent inter-personal skills as well as working well within a team environment.
9. Good command of English and Arabic languages

7. Duration of the Assignment

The level of work for the assignment is estimated at **15** working days to be conducted in three months from the date of contracting. Consultant should exert their utmost effort to deliver on time otherwise fees will be subject to reduction as delay penalty



8. Milestones

1. The V&A expert in coordination with NC4-Egypt Project Manager will arrange an orientation **kick-off meeting** to agree on methodological approach and other arrangements, the meeting will be held in NC4-Egypt Project or EEAA.
2. The Expert will submit the following:
 - Time schedule work plan for his/her activities to the NC4 project Manager after the first orientation kick-off meeting.
 - First draft Technical report and corresponding technical background documents and tools
 - Final Technical report

9. Scope of fees and Schedule of payments

The contract price is a lump sum fixed output-based price of the here in specific duration).

10. Payments:

#	Deliverable	% of Payment
1	Upon submission of First draft of Technical Report and the related background documents under deliverable (5.1)	50%
2	Upon approval of the final Technical report under deliverable (5.1) by the National Climate Change Council	40%
5	upon presenting the final drafts of deliverable 5.1 to the National Council of Climate Change [or as identified by the Project Manager]	10%

11. Application Process:

1. Proposals to be submitted by national experts including detailed and updated CV and the financial offer.
2. Applications will be evaluated on basis (technical 70%/ Financial 30%), the expert will be selected according to the evaluation of CVs, experience, professional work.
3. Applications to be sent in **Soft** copies to
 1. Name: **Dr. Samir Tantawi, Fourth National Communication Project Manager (NC4Egypt)**
 2. Email: samir_tantawi@hotmail.com
4. **Closing Date:** two weeks from the advertising date: 19 April 2020

12. Recommended References:

All related documents including but not limited to:

1. Sustainable Development Strategy, Egypt Vision 2030, www.mop.gov.eg/Vision1.pdf and www.mop.gov.eg/Vision4.pdf
2. INDCs Policy Framework, developed by LECB, available in LECB resources
3. Egypt's Intended Nationally Determined Contributions (INDCs) report (2015) (<http://www4.unfccc.int/submissions/INDC/Published%20Documents/Egypt/1/Egyptian%20INDC.pdf>).
4. Low Emission Development Strategy (LECB Project 2019)
5. Carbon Market Redenies (LECB Project 2019)
6. Relevant COP Decisions
7. Paris Agreement
8. NDCs guidance, Modalities & Procedures, guidelines of transparency framework on action and support, adaptation communication guidance and any other relevant guidance developed under Paris Agreement
9. UNFCCC
10. Egypt's BUR1
11. Egypt's Third National Communication (TNC) report.
12. Climate Change Adaptation Strategy
13. CCRMP reports

13. Lis of Abbreviations

BUR	Biennial Update Report
CCRMP	Climate Change Risk Management Programme
COP	Conference Of Parties
CV	Curriculum Vitae
EEAA	Egyptian Environmental Affairs Agency
GEF	Global Environment Facility
GHGI	Greenhouse Gases Inventory
IC	Individual Contract
IEE	Industrial Energy Efficiency
iINDCs	Intended Nationally Determined Contributions
LEAP	Long-range Energy Alternatives Planning
LECB	Low Emission Capacity Building
LEDS	Low Emission Development Strategy
M.Sc.	Master of Science
MRV	Measure, Report, Verify
NC4Egypt	Fourth National Communication (Egypt)
NGOs	Non-Governmental Organizations
PaMs	Policies and Measures



SDS	Sustainable Development Strategy
TNC	Third National Communication
UNDP	United National Development Programme
UNFCCC	United Nation Framework Convention on Climate Change