

Term of Reference (ToRs)

Drought Mitigation & Response Plan Validation

1. Project Background

Pakistan due to its geographical location as well as diverse topography is exposed and extremely vulnerable to adverse effects of climate change. History of hydro metrological disasters especially in last one decade have recorded an enhanced frequency of floods, erratic rain pattern as well as increased desertification giving rise to slow onset disasters of drought. The parallel progression of climate extremes in different regions within the Country pose response dilemma, warranting a sustained mitigation strategy.

Drought vulnerable regions reflect weak, socio-economic indicators and are among the economically deprived. Prominent among them are the coastal areas, arid zones of Baluchistan, eastern Sindh, areas astride Koh-e-Suleiman and Kirthar ranges, and South Punjab. These are predominately rural regions and subsist on the arid/ semi-arid zone livestock rearing and agricultural practices.

Drought mitigation management should be founded on a multi-tiered framework that incorporates the strengths of the governance mechanism in vulnerable districts. It should also assimilate the vulnerable communities' traditional coping practices. The accompanying strategies and responses should incorporate structural and non-structural measures, allow wide participation, and enable the beneficiaries through advocacy and capacity building.

NDMA has formulated a draft document for “Drought Mitigation and Response Plan” with in-house capacities. To further enhance the quality, reliability and authenticity of this document, expert judgment and reapportion of document is required.

2. Objective of the Assignment

The objective of the assignment is to validate that the outputs, deliverables and findings of drafted “Drought Mitigation and Response Plan” exercise comply with national requirements and capacities.

a. Geographic Extent

Whole of Pakistan.

b. Assignment Duration

20 man working days stretched over a period of four Weeks form the date of signing contract.

3. Scope of Work and Outputs

- a. Overall validation and reformulation of drafted “Drought mitigation and response plan” wherever required.
- b. To validate analytical data of Plan and fill the gaps and shortfalls in it
- c. Validation of adopted procedures/ SOPs for different activities and the level of adherence
- d. Examination of quality of work through visual inspection, testing and expert judgment.

4. Deliverables

- a. Technical Review and Validation of drafted Drought Mitigation and Response Plan
- b. Review the structural contents and data to create coherence, accuracy and ease of comprehension
- c. Inclusion of addition data/analysis where ever required to strengthen foundation of the mitigation and response measures proposed in the plan.
- d. Water need assessment based on agriculture and population statistics
- e. Propose, formulate and reorient measure for DRR main streaming and response against disaster in all region of Pakistan.
- f. Final document should be thoroughly proof read and include references, sources and background details of methodology applied, dataset used and information referred.

5. Required Skills

- a. M.S/ M.Phil degree in soil sciences, environmental social sciences, environmental social science, water resource management, and land use planning or relevant discipline.

- b. Minimum 10 years relevant professional experience in the areas of drought management, drought, analysis and mapping, drought monitoring and forecasting, land use planning & management, water resources management, hydrological and climate change.
- c. Should have experience of conducting at least two similar exercises in past with proven track record.
- d. Should have strong knowledge of catastrophe/ disaster hazard modeling.

6. Non-Disclosure Agreement:

Data, reports and other associated information's collected under the assignment for which consultant was hired, and any data/information's which is shared with consultant for analysis by NDMA, will remain a property of NDMA and consultants will be bound to sign Non-Disclosure Agreement.