
Terms of References

Conduct site level demographic profile, assessment of gender, water rights and natural resource use and multi-hazard risk mapping for selected sites and downstream areas

1. Introduction

WWF-Pakistan wants to address water security for vulnerable communities in Pakistan. Climate change impacts, including increasingly unpredictable precipitation, flooding, and droughts that impact water availability, and lack of effective integrated water resource management and governance is contributing to water security issues that will only worsen over the years in Pakistan’s unique context.

WWF proposes to undertake demonstrations of Nature-based Solutions (NbS), including Ecosystem-based Adaptation (EbA interventions that will improve water security and governance, build resilience to climate change of communities at the target sites in Gilgit-Baltistan (GB) and Khyber Pakhtunkhwa (KP), and enable the Government and relevant stakeholders to implement and replicate NbS in Pakistan for building climate change resilience. To ensure that the NbS interventions are sustained and continue to be effective, the project will ensure that climate-adapted, community-based natural resource management is implemented locally and capacity and coordination for NbS is enhanced across government departments and other stakeholders. The capacity development interventions for the government will be critical to scale and replicate these approaches.

The positive impacts of NbS interventions across the demonstration sites will also incentivize public and private funding for NbS. The project proposes NbS to enhance water security and governance that are worsening due to climate change. These are based on recommendations emanating from best practices and standards on nature-based solutions by conservation organizations. According to UNDP’s National Economic, Environment and Development Study (NEEDS), Pakistan’s current adaptation need is on average more than USD 10 billion per annum, reflected in the country’s NDCs as well, and there is a significant gap between the amount of funding needed and the amount available (NEEDS, Khan et al., 2011; Pakistan - Climate Public Expenditure and Institutional Review, UNDP, 2015). Thus, this project will contribute towards improving water security, climate-adapted livelihoods, and climate resilience of vulnerable communities over the long term.
2. **Objectives**

The consultancy has three objectives.

I. Conduct site level demographic profile and gender assessments in eight districts of KP and GB

II. Local communities’ consultations and assessments on water rights and natural resource use and management

III. Climate vulnerability assessments and multi-hazard risk mapping for 8 sites (4 in KP and 4 in GB) and downstream areas

3. **Scope**

The consultancy will focus on the selected districts of Khyber Pakhtunkhwa and Gilgit Baltistan; locations will be chosen from the following potential areas:

**Khyber-Pakhtunkhwa:**

- **District Haripur** – purposed site is Union Council Khanpur
- **District Kohistan** – proposed site in Upper and Lower Palas Valley, Union Council Palas
- **District Swat** – proposed site is Miandam

**Gilgit-Baltistan:**

- **District Astore** – proposed sites are Rama, Harcho, Doyan, Chilam and Delray
- **Gilgit Region** – proposed sites in Nalter valley and in Ghaso of District Gilgit and in Handrap District
- **Ghizer-District Nagar** – proposed site is Sikandarabad- **District Hunza** - proposed site is Gulkin
- **Baltistan Region** – proposed sites District Shigar (Kashmal, Karkoo, Alchori, Marapi), District Skardu (Sadpara and Astak)

**Specific Task**

- Review available background data, including sex-disaggregated demographic information and social and economic indicators of the project districts, and gender issues related to access to clean water and role in conservation and management of Natural Resources targeted sectors and access to financial, market, information in the target districts
- Conduct gender analysis and needs assessment (quantitative and qualitative assessment) of women and men in the project target districts
- Assess the capacity and practices of key partners as well as the project’s capacity and practices to deliver gender-responsive services and identify training needs of staff members and/or stakeholders on identified gaps
- Identify gender-based constraints and recommend key elements of a gender policy for ensuring that both men and women benefit from the project’s activities
- Consultative meetings with local communities, Conduct PRAs to assess the existing Natural resources of the sites, and level of local dependency on natural resources
- Assess the existing practice regarding water rights and natural resource uses and management, identify gaps and recommend best practices for better management and equitable uses
- Undertake a district wise mapping of major hazards and risks in the selected districts and especially in the proposed UCs – specifically related to torrential rains, flooding, GLOFs, avalanches, drought, landslides and land slips that affect the lives, properties, available services, livelihoods and the environment of communities
- Develop prioritized recommendations for integrating disaster risk findings in national DRR and preparedness planning efforts. Specifically, the assignment will include the identification hazards; a review of the technical characteristics of hazards such as their location, intensity, frequency and...
probability; the analysis of exposure and vulnerability, including the physical, social, health, environmental and economic dimensions; and the evaluation of the effectiveness of prevailing and alternative coping capacities with respect to likely risk scenarios

3. **Location**: WWF-Pakistan, Regional Office Islamabad along with field sites mentioned above in the Scope

4. **Duration**: 60 days (of which 30 days will be in the field)

5. **Timing and Duration**
Consultancy will be start form January 31st, 2022. The total duration of the assignment will be **sixty days**

- 5 days preparation at home base
- 30 days in the field (15 in GB and 15 in KP)
- 10 days for data analysis and develop first draft of report
- 5 days for review of reports and made recommendation
- 5 days for incorporating recommendation and comments
- 5 days finalizing report and sharing with WWF-Pakistan, FCDO, Project staff and other relevant stakeholders

6. **General Conditions**

- All tasks under the contract shall be carried out as required by and to the satisfaction of Senior Director Programmes and Project Manager.
- The contract may be terminated by WWF-Pakistan through written notice in the event of contravene of any condition of the ToRs.
- All the data/information collected under this task along with associated documented reports will be the property of WWF-Pakistan. The consultant or his/her team is not permitted to publish whole or any part of this data or the report in his/her own name unless specifically allowed to do so in writing by Senior Director Programmes.
- All the photographs taken, maps prepared or any samples collected shall be considered the property of WWF-Pakistan.

7. **Qualification and Skills**

- M.S. degree (minimum sixteen years of education) desirable from a recognized and reputable university in Climate Change/ Environmental Sciences, Disaster Risk Management, GIS/ RS, Geology, Geography. Specialization in risk assessment shall be accorded due weightage
- Minimum 10 years, post qualification, documentary verifiable experience in DRR and risk assessment including design, execution and management of multi hazard and vulnerability assessments at national and regional level.
- Having hands-on experience of GIS software and tools for composite risk assessment, Participatory Risk Assessment Methodologies, Scientific Data Collection Tools shall be accorded due weightage
- Having strong research and analytical skills.
- Have proven excellent intrapersonal communication, writing and reporting skills.
- Should have team leading and demonstrated ability to work in hard mountainous terrain
Criteria of Evaluation
Applicant’s proposal shall be evaluated based on Quality and Cost Based Selection (QCBS) method. Under QCBS both technical and financial proposals shall be evaluated as per following criteria against a maximum score of 100 points.
- Technical Proposal 70%
- Financial Proposal 30%

The following criteria shall be used as a basis for evaluation of technical proposals:
- Qualifications (maximum 30 points)
- Experience relevant to the assignment (maximum 30 points)
- Adequacy of the proposed methodology and work plan (maximum 20 points)
- Skills & Competencies for the assignment (maximum 10 points)
- Prior experience with WWF-Pakistan (maximum 10 points)

Budget
The tentative budget threshold for this specific assignment is PKR 1.5 million inclusive of all applicable taxes and out of pocket expenses. Evaluation process will be competitive; therefore, all the required documents should be submitted.

Note: Late/ incomplete submissions will not be accepted. Only three (03) top ranked firms will be included in the comparative process.