**WWF-Pakistan & Oxfam**  
**Terms of References (ToRs)**  
**Consultant – Research Study**

Conduct research study/report on loss & damages due to tropical cyclone/disasters/ heavy surge/ rains for vulnerable communities of Kakapir, Keti Bunder and Kharo Chan, Sindh and to assess the role of mangroves reducing the intensity of strong surges, its impact of livelihoods, Food, Water, Residential insecurities and in economic development.

**Contract type:** Desk based, field work and consultation with key stakeholders

WWF-Pakistan is one of the leading conservation organization of Pakistan. WWF focused on conservation biodiversity and reduce wasteful consumption of planet’s resources. Participatory and co-management approaches are amongst the key focus of WWF’s conservation work principles.  
Indus delta hosts the 7th largest mangrove area in Asia and is a part of the G200 ecoregion due to the array of globally significant biodiversity and associated ecosystem services in hosts. Despite this global ecological significance, the Indus delta is ranked as third delta which is at a greater risk scale globally, primarily due to significant reduction of river flow and resultant reduction in sediment deposition, seawater intrusion, land subsidence, sea level rise and low and erratic rainfall attributed to climate change and other anthropogenic pressures. These factors altogether are putting one of the largest and precious ecosystems of the world at a risk of shrink and degradation. The impacts of climate change on already vulnerable coastal communities in particular fishers and local food producers, their lives and life supporting systems are pronounced accelerating loss of livelihood and climate induced migration.

Oxfam-GB donor of the project has been working in Pakistan since 1973 to ensure that all its people – especially women and girls – are able to exercise their rights, and have access to basic services and economic resources.  
Oxfam works with local groups, media, academia, private sector, think tanks and the government, to improve livelihoods, provide humanitarian aid, create safer communities and promote economic and gender justice. We support local partners and work with government authorities to improve the livelihoods of those living in poverty, and provide humanitarian assistance to those affected by disasters and conflict.

The GROW campaign is about transforming the world’s broken food system so that it works for everyone. It is also about ensuring that the system is fit for a future where natural resource constraints, environmental challenges such as climate change, and a growing population will make feeding the world even harder. Working with partners and allies around the world it has helped increase investment in
small scale agriculture, raised the bar on climate finance, helped communities win back their land and
won significant policy commitments from the world’s biggest food companies. More than 50 countries
are engaged in the Grow campaign - about 34 of them in the south.

WWF-Pakistan as part of its Project titled as “Transforming the food system to eradicate hunger and
fight inequality in Pakistan “Climate Change impact and adaptive challenges project through enhanced
coastal resilience’ with financial support from Oxfam GB is aiming to enhance resilience of vulnerable
coastal communities to climate change through inclusive development and mitigation strategies. The
Project includes assessment of vulnerabilities of coastal communities to climate change and associated
natural resource dependent livelihoods. The project also envisages development of local action plan of
adaptation focusing on vulnerable coastal communities of Keti Bunder and Kharo Chan in Sindh as a road
map to support the integration of their vulnerabilities into polices and action-plans.

The current assignment focuses on limits of adaptation to prevent deleterious climate change impacts
on coastal communities and the role of mangroves in economic development of coastal communities of
Pakistan. How mangroves affect the lives of coastal communities. How disasters affect the communities
at household level (Food, Income, Migration (Temporary/ Permanent), at community level: Social
Inequalities and Economically for example; Absence of Climate Finance and impact on economy etc.
The consultancy will help to develop report for mainstreaming climate change impacts and adaptation
by local coastal communities. The consultant is expected to use a range of tool including, consultations
with stakeholders, FGD’s, CVRA and Sectoral LAPA report findings and recommendations, review of
published research and gaps in relevant government policies that needs to be addressed on top priority
basis in order to supplement policy for climate financing etc. The research study will become a road map
for the integration of economic importance of mangroves and mitigation towards loss and damage at
relevant provincial as well as national polices and associated supporting mechanisms.

Objective of assignment:
The main objectives of Research Study will be focuses on limits of adaptation to prevent deleterious
climate change impacts on coastal communities and the role of mangroves reducing impacts of disasters
and in economic development of coastal communities. The consultancy will help to develop a report
including policy recommendations for mainstreaming climate change impacts and adaptation by local
coastal communities in this subject area. Specific objectives of the study are as under:

1. Review Global priorities and demand from the national government (Reference to the CoP)
2. Review relevant methodologies and data requirements as well as lessons learned and gaps
identified at different levels, in assessing loss and damage associated with the adverse effects of
climate change in aforementioned target areas;
3. Outline a (rapid) methodological framework that could be used to assess loss and damage from
climate-related events linking it to vulnerability, risk management, impacts, coping strategies,
adaptation measures and their limits and considering actions to avert, minimize and address
loss & damage in the sub-national and local context;
4. Undertake a case study on loss & damage that accounts both economic and non-economic
losses from calamities in the communities of Kakapir, Keti bunder, kharo Chan and examine how
communities in the region are dealing with loss and damage through various preventive coping and adaptation measures.

5. Review the current state of institutional capacity for addressing climate induced loss and damage in the targeted communities and identify specific capacity requirement at institutional and systems level and highlight the major institutional capacity gaps;

6. Provide policy recommendations to address loss and damage due to climate related stressors.

Specific Tasks

- Develop a report on loss and damage that includes; documented study characteristics, thematic areas, trends, gaps, and opportunities. Questionnaire focused on technical, political, climate, disaster and normative questions.

- Ensuring the perspectives of the most vulnerable groups are included in decision-making; and greater policy-relevant research and critical analyses of loss and damage that shall open a window of lobbying and advocacy efforts at district level and also provide opportunity to gear up efforts to integrate results into district plans accordingly.

- Assessment and valuation of mangroves contribution to various sectors of the economy, mangroves contribution to the economic dynamics of coastal communities of Kakapir, Keti bunder and kharo Chan where mangroves are available and contribute to the income of local communities, their livelihood and strengthening their resilience against the high coastal surges.

- Making a business case of mangroves that mentions the sustainability and economic value of mangroves, identification of best practice models, which can be shared with local and national level government departments.

- Plan-out and share process of consultation that includes but not limited to capturing reflection of local communities, their livelihoods, relation with government and other stakeholders during the process of development.

- Initial orientation on climate change issues, identify and prioritize the most vulnerable areas, communities, households, gender specific issues, climate induced migration and their adaptation needs and priorities.

- Conduct a training session for the WWF-Pakistan and its selected partners and community members on climate change, adaptation and resilience.

- Integrates/incorporate climate resilience, adaptation as well as alternate livelihood options for vulnerable coastal communities in particular women food producers (fisheries, agriculture sector etc.) who are the main source of livelihood and protecting mangroves.

- Ensue development process demonstrates and integrates bottom-up, inclusive and decentralized approach and to ensure the report is inclusive and bridges the gaps between provincial and national development policies.

Delivery on the above-described work will largely require desk and field research work, synthesizing information available from websites, data sources, and online publications among other materials. There is a general expectation that facts are cross-checked with key experts in and on the region and in particular. WWF-Pakistan will facilitate in arranging stakeholder consultations to capture their feedback during the development process where required.
**Required Process of Research Study:**

- Questionnaire and Tools Development
- Clear methodology and contacts of the study
- Meetings/contacts with relevant district authorities for their input during consultations
- Consultations at community, households, women farmers, academia, civil society organizations, CBOs and other environment and agriculture experts
- Consultations with relevant government departments and other key stakeholders for the incorporation of their feedback in research study.
- Presentation of report to media, policy makers, community groups and relevant stakeholders at district level.

**Deliverables:**

The followings are the expected deliverables from this research study

1. **Inception Report:** an inception report that includes conceptual understanding of issue and research framework, concrete research questions aligned with research objectives and scope of work, detail approach and methodology including work plan, and time schedules, and the tentative table of content for the final report;
2. **Draft and Final Report:** Detail draft report as per the objectives and scope of work stipulated in TOR and guided by the research questions & methodologies agreed during Inception Phase. It should also contain methodological framework to assess loss and damage from climate-related stressors and policy recommendations and advocacy options in addressing loss and damage due to climate change. Final report will be the end product after incorporation of all the comments from a consultation workshop;
3. **Summary Report, Poster and PowerPoint Presentation:** A summary report (4 pager) in the provided Practical Action by highlighting the findings of the research study. Separate Poster (A0 size) and Power point presentation for wider sharing and communication of the research findings;
4. **Policy Briefs:** One policy brief to highlight the policy recommendation to assess and address loss and damage due to climate change in Sindh.

**Proposed Timeline:**

- By May 31, 2021 – tools, methodology, outlines of report and stakeholder mapping (including priority interviews),
- By end- July 2021 – Draft report completed and shared with WWF-Pakistan and Oxfam for comments
- By mid- August 2021 – Delivery of Final Report addressing comments from WWF-Pakistan and Oxfam
Requirements for experience and qualifications

Qualifications:
The successful consultant will meet the following minimum requirements:

- **Education:** At least a Masters or equivalent in natural sciences including but not limited to Zoology/Botany, Agricultural Economics, social sciences i.e., Anthropology, Economics, Sociology, Development Studies or related disciplines etc.
- **Experience:** 10 years of extensive field-based research experience
- **Language:** Fluent in English, and Urdu and knowledge of Sindhi would be an additional asset

Competencies:
The consultant should have demonstrated expertise, experience to carry out the aforementioned tasks:

- Familiarity with qualitative research methodologies, information collection
- Excellent knowledge and understanding of the Indus Delta, and coastal communities and loss and damage
- Proactive and able to work with minimal supervision and a high degree of initiative, reliability, flexibility, motivation, and resourcefulness
- Professionalism: flexibility to make ad-hoc changes as and when the need arises, ability to perform under stress, willingness to keep flexible working hours.
- Excellent data collection and analysis skills

Performance indicators:
The activities should satisfactorily meet the quality and completeness of documents, accuracy of statistical data and reports, timeliness of delivery

1. **Documents to be included when submitting the proposal**

Interested individual consultants must submit the following documents/information to demonstrate their qualifications:

- Proposal: Explaining why they are the most suitable for the work;
- Work Plan: Provide a brief methodology on how they will approach and conduct the work
- Financial proposal (including fee, travel cost (if any), and other relevant expenses)
- Curriculum Vitae

2. **Timeline:**
The overall time period for this consultancy from 15th May 2021 till 30th August 2021.

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