Study on Effects of Climate Change on Businesses with special focus on Textile and Leather in Pakistan

Terms of References (TORs) for Consultant

GENERAL:

This document contains Terms of Reference (TOR) for the Consultant, to be engaged by WWF-Pakistan (hereinafter called the Employer), for preparation of a study titled “Effects of Climate Change on Businesses in Pakistan with special focus on Textile and Leather” (hereinafter called the Study).

OBJECTIVES AND SCOPE OF THE STUDY

The Global Climate Risk Index (2019) has declared Pakistan as the fifth most vulnerable country in the world to the impacts of climate change. The production of cotton has been severely affected by climate change such as reduced yields and poor fiber quality destroying over a third of Pakistan’s expected cotton harvest in 2019. Experts have warned that due to this, Pakistan could suffer a loss of US $3 billion by the end of current fiscal year in June 2020. This will directly affect the textile industry. Moreover, climate change induced recurrent droughts and floods and changing vegetation pattern will affect the supply chain of the leather sector as well. This study will be carried out to assess the potential risks posed by climate change on businesses, motivations or lack thereof by the businesses to take actions and prospective steps that can be taken by them to prevent and tackle effects of climate change. The study will also look into potential opportunities due to changing climatic conditions.

The study will include:

1. Background information and introduction of climate change (infographics to be included).
2. Comprehensive literature review based on case studies and research papers on subjects relating to climate change in Pakistan (infographics included).
3. A methodology according to which the study will be conducted, including the limitations and how to overcome these.
4. An inventory of climate data, including data on average, minimum, and maximum temperature, precipitation, relative humidity, frequency of severe storms, floods and droughts, and degree of climate variability for historical timeframes compared with projections of climate models.
5. Assessment of short-term and long-term risks and opportunities, both direct and indirect, posed to businesses due to climate change, based on their supply chain levels. This will entail detailed analysis based on various climate change risks posed to supply chain levels which will cater to physical, financial, social, reputational aspects etc.
   a. Classification of major supply chains in businesses of Pakistan.
   b. Short term risks and the subsequent opportunities posed to businesses at every level of their supply chain.
   c. Long term risks and opportunities presented to the businesses at every level of their supply chain.
   d. Direct and indirect risks and opportunities posed to businesses at every level of their supply chain.
6. Direct and indirect impact of climate change related legislation and regulations on businesses, how enforcement of these policies will impact businesses and how the instantaneous implementation of these will/will not benefit them.
7. A comprehensive analysis of stimulus for businesses or lack thereof to adopt climate change resilience and/or adaptation strategies.
8. Interviews and meetings with various public and private sector representatives to assess barriers to adopting climate change adaptation or resilience policies.
9. Recommendations for improved climate change resilience, mitigation and adaptation based on the findings of this study.
10. A detailed map of proposed policy interventions categorized into short term, medium term and long term aligned with National Policies of Pakistan and Sustainable Development Goals (SDGs).

**Deliverables**

1. Comprehensive report with executive summary
2. Stakeholder Feedback
3. Research paper
4. Presentation based on findings of the report
5. Delivering Presentation to brief the key stakeholders on the subject matter

**Time period**

The time period of assignment is 5 months

**Required Qualification and Skills**

Must have a Masters/doctoral degree in related field, having an experience of more than 15 years on different textile related projects and case studies. The previous work in developing countries regarding linkage between climate change and businesses will be an edge.

**Report Guidelines**

- The citation of reference is must for secondary information
- The references used in the report should not be before 2010 otherwise needs justification.
- The report should be plagiarism free.
- The report should be according WWF communication guidelines
- Specimen Report / Sample write is required along with the proposal
- All the figures, pictures, graphs, maps need to be provided separately also in high resolution along the report
- Tables should not be in picture form.
- Multiple revisions will be required for mutual consent of author and ILES team