**PROJECT:** Biodiversity and Socioeconomic Assessments in Hunza and Nagar Districts of Gilgit-Baltistan in Pakistan

**BACKGROUND OF THE PROJECT:**

WWF-Pakistan is implementing the project; Biodiversity and Socioeconomic Assessments in Hunza and Nagar Districts of Gilgit-Baltistan in Pakistan jointly with Aga Khan Rural Support Programme (AKRSP), Water & Power Division and Communities of the project sites. The project is funded by KfW through AKRSP. The project aims to assess impacts on the biodiversity and socioeconomic status of the project area and provide recommendations for effecting positive outcomes.

This project is planned to conduct the baseline surveys of the flora and fauna (including amphibians, reptiles, birds, small and large mammals), socioeconomic conditions and CO\textsubscript{2} emissions, advise on plantation needs for improving wildlife habitats and subsequently monitor all developmental activities in the target areas of the “Development of Hydropower and Renewable Energy II” Project.

Conduct socioeconomic and feedback surveys for collating information, including the energy expenditures for petroleum-based fuel and firewood, the use of energy-efficient electrical appliances, annual avoidance of CO\textsubscript{2} equivalent emissions in the target communities, number of value chains promoted, feedback from women on plant species recommended for plantation and propagation in nurseries, and other factors, from the target communities to assess the project’s impacts throughout the 6 years and provide reports for each year.

An expert will be hired for baseline and impact assessments to measure the impact of hydropower systems on changes in greenhouse gas emissions, renewable energy use, and other relevant indicators.

The baselines will be conducted in target sites in the first year, and advice will be provided for improving the wildlife habitats. Subsequently, a comprehensive monitoring programme will be undertaken for the next five years, to determine the change in the habitat, population, and occurrence of wildlife species, and CO\textsubscript{2} emissions. The monitoring programme will also assess the socioeconomic impacts of the sustainable development and livelihoods interventions being implemented by the Aga Khan Rural Support Programme.

**CONSULTANCY OBJECTIVES:**

- To develop baseline and impact assessment study to measure the impacts of hydropower system on changes in greenhouse gas emissions, renewable energy use, and other relevant indicators.
TERMS OF REFERENCES

1. Collect secondary data/information on the assignment;
2. The consultant will review the impacts of the installed hydropower systems with regards to reducing greenhouse gas emissions and changes in the renewable energy mix and expenditure. Data from the socioeconomic survey will be used to calculate the GHG emissions from burning fossil fuels and fuel wood.
3. The consultant and monitoring team will refer to the Environmental and Social Impact Assessment that will be conducted by the Project Implementation Consultant for the “Development of Hydropower and Renewable Energy II” Project, in consultation with Gilgit-Baltistan Environmental Protection Authority (GBEPA), under the environmental assessment guideline and Gilgit-Baltistan Environmental Act 2015
4. Visit project sites for primary data collection related to the assignment;
5. Review the impacts of the installed hydropower systems with regards to reducing greenhouse gas emissions and changes in the renewable energy mix and expenditure;
6. Document the impacts of installed hydropower systems on social, economic and environment;
7. Conduct assessment of the plantation done in the project sites;
8. Will use data of the socioeconomic survey to calculate the GHG emissions from burning fossil fuels and fuel wood;
9. Collect data on carbon emission sources fuel wood and petro -based fuel;
10. Calculate the Gross emission of CO2;
11. Educate/aware the people about the usage of renewable energy;

DELIVERABLES:

- The consultant will submit draft hard and soft copy of the report for review and comments to WWF-Pak.
- The consultant will submit hard and soft copy of the final assessment report after the completion of the assigned task after incorporating the comments from WWF-Pak.
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 450,000/- inclusive of everything**. 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.