



Consultancy Ref No:149-WRAP-25-26

RFP for Consultancy Services-WWF Pakistan

Subject:

“Ecological Assessment of Significant Peatlands in KPK to develop Management Plan and Ramsar Information Sheet (RIS) of the selected Peatlands”

Hydrologist (Hydrology study)

Application Submission: Interested consultants should submit the Proposal on the Application Form Available Online or can access through the following Link:

<https://forms.gle/Mr6EeFsPHYtKy9F9>

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1) INTRODUCTION & BACKGROUND

Contract type:	Consultancy and Services
Duration of assignment:	6 Months
Type:	Firm/Individual

WWF-Pakistan with the financial support of FCDO, implementing a project titled, “Scaling up nature-based solutions for improving integrated water resources management and enhanced water security in Pakistan”. The project aims to pilot Nature-based Solutions (NbS) at selected locations in Gilgit-Baltistan and Khyber Pakhtunkhwa in partnership with relevant stakeholders. Water management for improving the health of natural ecosystems, better water resource management, and livelihood improvement will be outcomes of the project interventions

2) GENERAL CONDITIONS

- 1) The WWF-PAKISTAN reserves the right to reject or accept any proposal. The WWF-PAKISTAN reserves the right to proceed with the implementation of any Service, in whole or in part, as described in the Proposal.
- 2) The WWF-PAKISTAN reserves the right to engage in discussions with any BIDDER to clarify responses or discuss certain issues with regards to the proposal or services requested. The WWF-PAKISTAN has no obligation to notify the other BIDDERS of the discussions, clarifications, or other information provided by a BIDDER. Any additional information required for the preparation of the BID shall be distributed to all participants at the same time.
- 3) The WWF-PAKISTAN reserves the right to award the proposal based on experience, qualification, completion date, service cost and other criteria, and not necessarily the lowest cost.
- 4) Based on the RFP BID the WWF-PAKISTAN is entitled to change/replace or omit any clause/part of the preliminary defined scope of services of the proposal. The WWF-PAKISTAN shall conduct negotiations with WWF to achieve the full compliance to the requirements.
- 5) The WWF-PAKISTAN reserves the right in the event the successful CONSULTANT fails to comply with the terms and conditions as listed, to cancel this contract and award it to another CONSULTANT without penalty or action against the WWF-PAKISTAN. The RFP does not constitute an agreement or order.
- 6) The RFP is not a binding agreement between the parties, submission of a proposal or response by a proponent is voluntary.
- 7) By submitting a bid, the BIDDER is deemed to have acknowledged all of the undertakings, specifications, terms and conditions, **WWF Fraud and Corruption Prevention and Investigation Policy (Annex 2)** contained in the RFP, and to be bound by them if the BID is accepted. All expenses incurred by the Bidder in connection with the preparation of its proposal are to be borne by the RFP participant, and the WWF-PAKISTAN shall not incur any obligation whatsoever toward the Bidder regardless of whether such bid is accepted or rejected.

3) PURPOSE

The main objectives of this assignment are as follows:

- The purpose of the assignment is hydrological assessment (hydrology study) of two significant Peatlands/peatlands complex of KPK.
- To develop Management Plans of the selected peatlands/peatlands complex.
- To prepare the Ramsar Information Sheet (RIS) of the selected Peatlands/peatlands complex

Scope of Work:

➤ Geographic Scope of Ecological Surveys:

The geographic scope of ecological surveys covers two significant Peatlands/peatlands complex including **i) Broghil Valley (Upper Chitral)** and **ii) Laspur Valley (Lower Chitral)** in KPK.

Detailed ToRs of a Hydrologist are:

A complete knowledge of the hydrology of the area is necessary for preparation of management plan and Ramsar information sheet (RIS) of the peatlands. A complete knowledge of the hydrology of the area is necessary for development of strategies for the sustainable management of the peatlands/peatlands complex. Standard methods/protocols shall be used to assess the hydrology of the study areas. The consultant/hydrologist shall:

A. Specific information required:

- i) Describe the physical features of the peatland including the geology, geomorphology; origins - natural or artificial; hydrology; soil type; water quality; water depth, water permanence; fluctuations in water level; downstream area; general climate, etc;
- ii) Provide detailed information if the peatland/peatlands complex contains a representative, rare or unique example of a natural or near natural peatland type found within the appropriate geographic region;
- iii) Describe the physical features of the catchment area including the surface area, general geology and geomorphological features, general soil types, and climate (including climate type);
- iv) Describe in detail the hydrological values of the peatland/peatlands complex including the functions and values of the peatland in ground water recharge/replenishment, flood control, sediment and nutrient retention and export, shoreline stabilization, climate change modification and water purification and maintenance of water quality etc;
- v) Conduct GIS and spatial analysis to map catchment areas, hydrological connectivity, inflows/outflows, and land use impacts on peatland hydrology;
- vi) Prepare a water water balance for each peatland site, estimating key components including precipitation, evapotranspiration, runoff, inflow, and outflow;
- vii) Describe current water use within the peatland area and in the surrounding/catchment area; the ecosystem services the peatland provides to the local people;
- viii) Describe factors (past, present or potential) adversely affecting the changes in water use and development projects within the peatland and in the surrounding area;
- ix) Provide details about the water quality of the peatland/peatlands complex;
- x) Provide detailed information if the peatland is used for recreation/tourism; indicate type(s) and their frequency/intensity;
- xi) Provide detailed information about the current scientific research and facilities at the peatland (e.g., details of current research projects, including biodiversity monitoring; existence of a field research station, etc);
- xii) Provide detailed information about the current communications, education and public awareness activities related to or benefiting the site (e.g. visitors' centre, observation hides and nature trails, information booklets, facilities for school visits, etc.);
- xiii) Recommend nature-based solutions (NbS) for enhancing water retention, flood control, and overall hydrological stability of the peatland/peatlands complex;
- xiv) Provide maps and hydrological diagrams (e.g., cross-sections, flow charts, watershed models) to visually support the written findings;
- xv) Provide details about the current land use (both peatland itself and surrounding and catchment areas) including information about human population in the area, land and water use at the peatland, e.g., water supply for domestic and industrial use, irrigation, agriculture, livestock grazing, forestry, fishing, aquaculture and hunting etc;
- xvi) Provide information about conservation measures taken in the area e.g. national protected area status of the peatland, IUCN protected area category, any management plans of the peatlands prepared/approved/implemented, cite the management plan documents, any other conservation

measures taken such as restrictions on development, management practices beneficial to wildlife, closures of hunting, etc

B. General information required:

- xvii) Review of the secondary information available on the hydrology of the peatland/peatlands complex;
- xviii) Develop methodologies and protocols used for the sampling, classification, evaluation, and monitoring of the hydrology of peatlands/peatlands complex;
- xix) Suggest hydrological monitoring protocols for long-term observation of key parameters including water level, flow patterns, and water quality;
- xx) Collect samples from the peatland and its surrounding areas, get tested different chemical parameters regarding water quality of peatland and surrounding areas;
- xxi) Evaluate present threats to the water quality of the area;
- xxii) Identify impacts on the water quality of peatland and surrounding areas, mitigations and recommendations;
- xxiii) Provide HD quality pictures of activities related to the assignment;
- xxiv) Provide comprehensive reports of each peatland along with recommendations.

4) DELIVERABLES

Following is list of specific tasks:

- Total 02 hydrology study reports for the two selected peatlands/peatlands complex;
- Each comprehensive report includes physical features of the peatland including the geology, geomorphology; origins - natural or artificial; hydrology; soil type; water quality; water depth, water permanence; fluctuations in water level; downstream area; general climate in the selected peatland/peatlands complex in KP;
- GIS Maps and visualizations of the study area;
- Supporting documents, Visual documentation, including HD photographs of hydrological features of the peatlands, sample collection and lab analysis pictures.
- Official lab analysis duly signed report of each analysis;
- Key recommendations based on the findings.

5) PROJECT/ ASSIGNMENT TIMELINE

- The total duration for this assignment is 6 months.

6) REQUIREMENTS

The Consultant should possess the following qualifications and expertise: **Minimum requirements**

- At least a Postgraduate degree in Hydrology, Environmental Engineering/Sciences, Soil Science or other related fields from a recognized university, with a solid understanding of aquatic fauna and vulnerability assessments.
- Minimum 05 years of experience in related discipline.
- Sound knowledge and understanding of wetland assessment and Environmental Management Plan development.
- Experience in working with international donors would be an advantage.
- Proven English language proficiency, quality report writing, analytical and presentation skills.
- Experience in doing ecological assessments for conservation and nature-based solutions would be an advantage.

Conditions:

- WWF-Pakistan reserves the right to accept any proposal or reject all proposals.
- Only shortlisted consultants will be contacted for further consideration.

7) CORRESPONDENCE & SUBMISSION OF PROPOSAL

1. Application Submission: Interested consultants should submit the Proposal on the Application Form Available Online or can access through the following Link:
<https://forms.gle/Mr6EeFsPHYtky9F9>

1. If Any **Queries** may send through Email by attention to the Following:

To: Faiza khan (fakhan@wwf.org.pk)

The RFP submission deadline mentioned on WWF-Website.

2. Any information and responses to enquiries will be made in writing and distributed by email to all proponents. Enquiries after the foregoing deadline will not receive a response.

8) FORMAT OF THE PROPOSAL

The BID submitted by the participant must be structured as per the below provided instructions:

- 1) **Application Form available at WWF-Website** - General information about the Bidder, covering, qualification and experience, CV.
- 2) **Experience:**
 - a) **Description of the complete projects:** the list and general information about the complete projects, description of the role in the project, other accomplishments of the Consultant.
- 3) **Proposal outlining scope consultancy service-** Description of scope and working process, stages, deliverables, exclusions, conditions;
- 4) **Provide template of already complete similar type of reports-** the WWF-PAKISTAN may request additionally;
- 5) **Service Provision Timeline** – Provide Detailed Work Plan as per Deliverable and TORs.
- 6) **Financial Proposal-** the prices shall be provided in Pak Rs, the total price shall include all costs related to service provision including applicable taxes. The boarding and lodging (Travel, accommodation and food etc) will be provided by WWF-Pakistan.

Note:

Templates of all Information is provided on the Application form available at WWF-Website. Any Additional Information related to the RFP can be attached along with the application Form.

9) FINANCIAL PROPOSAL

The proposed prices shall be provided in PKR the total price shall include all costs related to service provision including all Direct and Indirect taxes. The boarding and lodging (Travel, accommodation and food will be provided by WWF-Pakistan) .

The consultant will submit the cost of the assignment in a lump sum, including all applicable taxes according to the Government of Pakistan and the Government of GB.

The Payment Term: shall be defined by the contract to be concluded between WWF -Pakistan and the consultant.

10) EVALUATION PROCESS

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.

A) Technical Proposal (70%)

- Detailed work plan
- Expression of interest (EOI)
- Consultant's Profile
- Detailed methodology

B) Financial Proposal (30%)

Detailed financial proposal which should be inclusive of all applicable taxes. The financial proposal should follow a breakdown structure i.e., specifying cost(s) to each head and subhead. The boarding and lodging (Travel, accommodation and food will be provided by WWF-Pakistan.

- Consultant's registration certificate
- NTN detail(s)

Note: Late/ incomplete submissions will not be accepted. Only three (03) top-ranked Consultants will be included in

11) DOCUMENTATION AND CONFIDENTIALITY

the comparative process

All documents completed based on requirements of the present RFP shall be the property of the WWF-Pakistan, and shall not without the consent of the WWF-Pakistan be used, reproduced, or made available to third parties beyond what is necessary in respect of the fulfilment of the Project. All documents issued and information given to the BIDDER shall be treated as confidential.

12) Budget Ceiling

The maximum Budget ceiling for this activity is PKR 1400,000/- inclusive of all taxes.