REQUEST FOR PROPOSAL (RFP)

FOR

HIRING OF CONSULTANCY SERVICES FOR DESIGNING & MAPPING OF WATER REPLENISHMENT TECHNIQUES & RELATED INTERVENTIONS UNDER SUSTAINABLE WATER MANAGEMENT OF LAHORE

1 GENERAL

This document contains Terms of Reference (TORs) for the Consultant, to be engaged by WWF-Pakistan (hereinafter called the Employer), for the hydrological mapping, potential sites identification & engineering designing for water replenishment interventions under water stewardship project.

2 PROJECT DESCRIPTION

WWF's global network consists of more than 100 countries and has nearly 50 years of conservation experience. As one the world's most respected environmental organizations, WWF actively contributes to delivering freshwater projects and programs around the globe and has played a leading role in developing concepts, tools, and approaches for the private sector to address business risk through better stewardship of water resources. WWF has experience grounding corporate water targets in places through it's global to local approach and is particularly aware of the importance of aligning water balance targets with locally relevant basin stewardship policies and interventions. WWF freshwater projects and strategies focus on delivering multiple benefits to the environment and local communities while also informing and advancing improvements in regional water policy and landscape approaches.

WWF Pakistan has vast past and current working experience on how integrated water management (IWM) can improve the balance between ecosystem, community, and economic health as well as the needs of the diverse stakeholders on land and water. WWF-Pakistan has been working on a project - to pilot sustainable water management of Lahore; in proposed areas but not limited to; i). Bata Pur ii). Harbanspur iii). Shahpur iv). Niaz Baig v). Ali Razaabad vi). Khamba Pind vii). Satukatlah and viii). Chung

3 OBJECTIVE AND SCOPE OF WORK

The objective of the consultancy is to conduct hydrological modeling and identification & mapping of potential sites for groundwater recharge wells, rainwater storage tanks, floating treatment wetlands, ablution water reuse system, urban forest & climatic data analysis of potential sites in the Study Area. The scope of work includes following key objectives:

1) Identification of feasible sites for the harvesting/ conservation and storage of rainwater.
2) Identification of potential sites for groundwater recharge, floating treatment wetlands including their detailed engineering designing and related BOQs.
3) Site selection criteria, pre and post requisites, identification of replenishment sites.

4) Site identification, Soil Survey, Native Species and biomass survey, Sapling Preparation Mechanism, Spacing and other criteria for establishing an Urban Forest.

5) Filter media designing and optimal construction design of Recharge Well and floating treatment wetland

Note: A study related to Objective 1 & 2 will be provided to the consultant.

4 DELIVERABLES

Key deliverables of the projects are as follows:

Sr. #	Deliverables	Description
1	Inception Report	• Detailing Design approach, methodology, resource allocation and project schedule. • Raw data (used/ collected or purchased for this study) in a USB drive
2	Interim Report	• Comprising of hydrological mapping data of the project area, potential site's feasible locations for groundwater recharge well, design of recharge well, climatic data analysis of the study area, potential sites for wetland construction etc. • Identification of potential sites, designing parameters for urban forest and low flow fixture techniques.
3	Final Feasibility Report	• Final report should include detailed feasibility of all sites including climatic analysis, hydrological analysis, hydraulic structures of replenishment interventions and all the necessary detail engineering drawings of all structures with including BOQs. • Any other necessary document related to all.

5 TIME FRAME

From: February 2023 **To:** April 2023

6 DOCUMENTATION REQUIREMENT FOR PROPOSAL

i. Application Form (Available on WWF website)

ii. Technical Proposal

   a. Company's Profile

   b. Consultant's Relevant Experience

   c. Understanding of the Assignment

   d. Approach Methodology

   e. Tentative Workplan

   f. Team Composition and Task Assignments

g. Curriculum Vitae (CV) for Proposed Professional Staff

h. No-Objection Certificate and Letter of Acknowledgement & Warranties (i.e., Firm is not proscribed, banned or restricted by any governmental department to work in the site areas as mentioned in the TORs)

i. Letter of Declaration regarding validity and authenticity of information provided in proposal

iii. Financial Proposal

j. Detailed financial proposal which should be inclusive of all applicable taxes and out of pocket expenses in Pakistani Rupees (PKR). The financial proposalshould follow a breakdown structure i.e., specifying cost(s) to each head and subhead and remuneration as per man days

k. Company's Registration Certificate

l. FBR Registration Certificate including NTN detail(s)

m. Any legal or technical certification required for the task

n. Audited Financial Statements (if available)

o. Agreements signed in the similar capacity (if available)

p. Any other document which can support your proposal (if available)

7. REQUIRED QUALIFICATION:

- Bachelors in Civil or Agriculture Engineering with Specialization in Water Resource Management
- Minimum 5 Years of Experience in Water Resource Management

8. GUIDELINE FOR SUBMISSION OF PROPOSAL/EXPRESSION OF INTEREST:

Interested consultants should submit the following documentation to **Muzzammil Ahmed (mahmed@wwf.org.pk) and Maham Zahara (mzahara@wwf.org.pk)**

- A technical proposal not exceeding 10 pages
- An understanding and interpretation of the TORs
- Methodology to be used in undertaking the assignment
- Time and activity schedule
- Evidence of relevant experience and samples of products related to the assignment
- Curriculum vitae of the lead consultants to undertake the assignment
- Work Plan
- A financial proposal consist of the cost of assignment in lump sum including all applicable taxes of the Government of Pakistan and out of pocket expenses.

9. SELECTION CRITERIA:

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%
b. 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)

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