



REQUEST FOR PROPOSAL (RFP)

For

HIRING OF CONSULTANCY SERVICES FOR THE TRAINING OF FARMERS FOR CLIMATE ADAPTIVE RURAL AND URBAN FLOOD/ WATER MANAGEMENT UNDER THE INTEGRATED WATER RESOURCE MANAGEMENT IN THE INDUS BASIN

1 GENERAL

This document contains Terms of Reference (TORs) for the Consultant, to be engaged by WWF-Pakistan (hereinafter called the Employer), for training of farmers for climate adaptive rural and urban flood/ water management, under water replenishment project.

2 PROJECT DESCRIPTION

WWF's global network consists of more than 100 countries and has nearly 50 years of conservation experience. As one of 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 its 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. With the financial support from NIKE, WWF-Pakistan has been working on a project - to pilot integrated water resource management interventions at strategic important landscapes in Indus Basin; 1) Ayubia National Park, Nathiagali, 2) Uchhali Complex, Soon Valley, Khushab and 3) District Muzaffargarh, South Punjab, are (hereafter called the Study Area).



3 OBJECTIVE AND SCOPE OF WORK

WWF-Pakistan intends to continue to mitigate the environment impacts of input intensive (flood, water, agrochemicals) & pest-sensitive crops through farmers' capacity building, stakeholder's engagement and supply chain development. Working in this landscape will reduce the impacts of municipal and agriculture of water use. Further, it will allow successful approaches to be taken to other agriculture heavy landscapes in closer proximity to Indus River dolphin habitat.

The consultancy will cover smallholder farmers working with the project and cooperatives in districts Multan & Muzaffargarh.

Task 1: Preliminary rapid assessment of hydro-climatic flood/water management and irrigation practices both at farm- and municipality-level

Task 2: Identification of Climate resilience flood and water management practices/options

Task 3: Design a capacity building plan for farmers and municipalities

1. Develop a holistic view in respect of design of total irrigation system, indicate any design gaps and propose refinements;
2. Interview water users' associations and water management associations;
3. Critically review any special aspect of design with consideration to modern technology or canal/minor distributary/ river morphology etc;
4. Review and training to farmers all relevant technical documents and examine design parameters and design criteria against the requirement of the project area;
5. Training of the community of all hydraulic aspects of the works, relevant drawings and specifications;
6. Comprehensively prepare the plans for flood/water management of distributary and minor canals including provision of control structures, their locations, and required supporting infrastructure including escapes etc. for the command of project area.
7. Training to farmer community on climate proofing interventions for subprojects and estimate cost in collaboration with hydrologists and hydraulic design engineers.



8. Training on knowledge product focusing on integrating climate resilience considerations for irrigation investments
9. Prepare training/awareness program for farmer water user communities (FWUCs) to enhance climate resilience
10. Training to farmers community and preparation of plan for operation and maintenance strategies of the irrigation infrastructure in the project t;
11. Monitor and track performance of design services on time-baseline.

4 DELIVERABLES

There are the following deliverables to achieve the targets of this services

1. Strengthen the approaches and capacity of WMO and WCA for preparing, implementing, and monitoring climate adaptive water allocation plans.
2. An effective and operational hydropost based water measurement system that is integrated into irrigation system management.
3. Supporting manuals and management system. Assistance with training of WMO and WUA Training of counterpart organizations (e.g., WIAC) in remote sensing of water productivity and water consumption.
4. Procedures for the use of remote sensing for the monitoring of water allocation and sharing plans.

5 EXPERIENCE AND QUALIFICATIONS OF THE INDIVIDUAL CONSULTANT

1. At least Master /PhD Degree in irrigation engineering, Hyro-Climate Sciences or a related discipline.
2. At least 10 years' experience in irrigation survey and design, irrigation standards and good practices in irrigation system rehabilitation, operation and maintenance of gravity and pump irrigation in Southeast Asia.
3. Demonstrated experiences in conducting field and desk work for pre-feasibility, feasibility studies, technical assessments, detailed design, procurement and implementation supervision.
4. Experience in a similar role in at least one irrigation project funded by international/bilateral agencies is considered an advantage.



5. Good English writing skills are considered essential

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

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

Brief introduction of consultant (attach detailed CV with references)

i. 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

ii. Financial Proposal

- a. Detailed financial proposal which should be inclusive of all applicable taxes and out of pocket expenses in Pakistani Rupees (PKR). The financial proposal should follow a breakdown structure i.e., specifying cost(s) to each head and subhead and remuneration as per man days
- b. Company's Registration Certificate
- c. FBR Registration Certificate including NTN detail(s)
- d. Any legal or technical certification required for the task
- e. Audited Financial Statements (if available)
- f. Agreements signed in the similar capacity (if available)



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

7. CRITERIA OF EVALUATION

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)

8. TIME FRAME

From: April 2023

To: June 2023

9. Budget

The tentative budget threshold for this assignment is PKR 2,000,000/- inclusive of all taxes and out-of-pocket expenses. The evaluation process will be competitive; therefore, all the required documents should be submitted.