Terms of Reference

Hiring of Consultant/Firms for Establishment of Early Warning System

(CBDRM component of BDRP programme)

Lodhran Pilot Project (LPP) is a not-for-profit organization, which is committed to promote development & humanitarian objectives in Pakistan. It is governed by an independent board, which makes sure that it works in a non-partisan manner and contributes to the development of all disadvantaged communities without any discrimination on religious or political considerations. It is registered under the Societies Act 1860. Certified by Pakistan Centre for Philanthropy, LPP manages a diverse range of programs and partnerships, and is widely recognized as one of the leading NGOs in the community development sector in Pakistan.

Vision Statement
LPP envisions a society where people participate in development process with a sense of ownership and all individuals have equal opportunities for sustainable development.

Mission Statement
To eradicate extreme poverty by empowering communities through equal access to all resources including availability of safe drinking water, basic sanitation services, education, advocacy, social justice, gender equity and humanitarian assistance without any discrimination.

Background

Building Disaster Resilience in Pakistan (BDRP) project is being implemented by CAWI consortium funded by DFID (UK) in province Punjab, KPK and Sindh. In this consortium Concern Worldwide (lead), Acted, International Rescue Committee and Welthungerhilfe are partner, whereas CWW and Acted are implementing BDRP project in both in KPK and Sindh, IRC in Sindh and Welthungerhilfe is implementing the same in province Punjab.

Lodhran Pilot Project (LPP) is implementing partner of CAWI consortium lead organization CWW in District Jhang. Under BDRP project 07 flood prone union councils in Tehsils Jhang, 18 Hazari and Ahmadpur Syial of district Jhang g have selected with total 70 villages. Following are the targeted UCs:

1. Sultanpur
2. Mason
3. Chela
4. Pirkot Sadhana
5. Dosa
6. Kot Mapal
7. Hazrat Sultan Bahu
1. The rationale for the assignment

Flood Modeling is the simulation of real flood events for prediction of flood water along creeks, floodplains and urban areas and estimation of the areas that can be inundated. It also helps in the prediction of flood likelihood. Flood modelling is seen as an integral part of flood management. Models are used for planning and design as well as for forecasting floods so that mitigating measures can be taken in time. Decision support systems based on models are increasingly being used by engineers and scientists in flood management.

Specific Objectives

- To develop district-level flood forecasting (Geographic Information System)

2. Scope

Target group – Relevant district authorities/line departments, Community men, women and children of the targeted communities.

Geographical scope – Above mentioned 7 Union Councils of Jhang District in Punjab province (list of villages and U/Cs will be provided later)

3. Approach and Methodology

This section describes the process involved in flood plain modelling using GIS. Details of each step are given below:

a. Acquisition of remotely sensed data
b. Data collection about element at risk etc.
c. Development of vectors layers for elements at risk and critical facilities
d. Data preparation and modelling in HECRAS
e. Incorporation of prepared data in the developed front end application

4. The output of the consultancy

Acquisition of remotely sensed data

- Data Collection regarding Govt. and communal building/departments
- Digitizing road network, water bodies, embankment etc
- Development of Vector Layers
- Simulation from Communities
- Weather Information System

5. Deliverables

The individual firm will produce the following key deliverables (subject to further refinement in consultation with the individual/firm)

1) A final report including recommendation covering the above outputs
2) Provision of remotely sensed data
3) Provision digitizing road network, water bodies, embankment etc
4) Development of Vector Layers
5) Flood modelling and mapping (Both River Chenab & Jehlam) on past flood data/history for targeted UCs
6) Flood simulation modelling for communities
6. Lines of Communication

The consultant will coordinate with LPP /Concern's BDRP section.

7. Skills, Experience and Qualifications

- At least 2 years’ experience of Flood modelling & mapping (Both River Chenab & Jehlam) on past flood data/history for targeted UCs, Flood simulation modelling for communities and installation of gages
- Working on CBDRM in Jhang will be prefers
- Are fluent in speaking the local language – Punjabi (as required).
- Documentation experience in conducting similar nature of Early Warning Systems.
- Available during assignment period and can conduct for identification of safe locations in targeted UCs.
- Inclusion of women in team will is an added advantage.

8. Structure of Technical Proposal/Expression of Interest and Submission Guidelines

Interested potential consultants team/firm with relevant experience, may submit sealed technical and financial proposals according to following details;

- Individual/firm profiles clearly stating the company’s capabilities of undertaking the presented task.
- Previous and existing client list with details of various assignments completed.
- The individual/firm will provide evidence of previous work produced, preferably for the development sector clients (report/videos, recording etc)
- The detailed work plan of flood modelling with clearly laid out deadlines defined in the RFP supporting proposal.
- CVs/profiles of the team, who will work on the assignment.

9. Monitoring and Evaluation:

- The activity may be monitored by the M&E Person of CWW / Lodhran Pilot Project.

10. Time frame

The said activity is expected to be concluded within 90 working days first starting from 4th Week of July 2019, with following break up of activities;


11. Logistics

- The consultant will be responsible for his boarding & lodging during trainings.
- Logistics cost should be included in the consultancy fee.
- Costing should be inclusive of all applicable taxes of the Federal Board of Revenue/ Provisional Revenue Authority.

Bidder Instructions:
• **Technical & Financial Proposal:** should be submitted on printed paper in a sealed envelope. Clearly marked “Proposal for Early Warning System.”.

• **Rates:** The prices must be inclusive of all applicable taxes.

• **Certificate:** Please provide a copy of your National Tax Number/CNIC

• **Payment Terms:** Payment will be released through cross cheque on satisfactory completion of supplies/services as per agreed term and conditions in the Contract, upon submission of Invoice/supporting documents for the said supplies/services.

• **Taxes:** Tax will be deducted at source as per Govt. of Pakistan tax law / FBR’s updated guidelines

• **Ethics:** Suppliers/Firms must not be engaged in any child labour, human rights abuses, corruption, fraudulent, collusive or coercive practices including but not limited to applying/bidding by multiple names/companies. If any bidder is found to be involved in such practices his/her bid may be rejected and the companies in question permanently blacklisted.

• **Criteria:** Lowest price will not be the sole criteria; quality, delivery time and previous experience will also be considered. Bid committee reserves the right to change the quantities or cancel/reject any or all offers without assigning any reason.

• For more on the assignment, please direct your queries to raees.alvi@lpp.org.pk before the deadline.

How to apply:

Please submit your Sealed Proposal / Bid by the deadline of 24 July 2019 on below mention address.

Address contact details:

| Lodhran Pilot Project: Implementation Office, Near WAPDA Colony Multan Road Lodhran |
| PH# 0608-362928 |
