TERMS OF REFERENCE (TORS) FOR GIS MAPPING AND SPATIAL ANALYSIS OF VARIOUS ASPECTS OF RESEARCH STUDIES BEING CONDUCTED AS PART OF WWF’S PINGER INNOVATION PROJECT

1. Objectives

We seek to engage a consultant to develop GIS mapping and spatial analysis methods to develop maps of various aspects of research studies being conducted as part of WWF’s pinger innovation project.

2. Terms of References

- Spatial mapping of fishing and dolphin bycatch hotspots in selected sites of the Indus River;
- Generate baseline and monitoring maps of the experiment sites maps
- Conduct an analysis of population trends and spatial distribution mapping
- Development of maps of fishing zones and no-take areas
- Maps of various project interventions

3. Deliverables:

- Study plan, data collection formats, timelines, etc., which WWF-Pakistan will endorse;
- Maps with spatial and temporal analysis

4. Required Skills and Qualification:

- Prior experience of working on the Indus River Dolphin and aquatic biodiversity related spatial and temporal mapping is mandatory
- At least 5 years of prior experience in analyzing data and creating visual maps, metrics, readable reports, and database user interfaces
- Skilled in the use of software such as AutoCAD, CADD, Microstation, Topobase, ESRI ArcEditor, SQL, LISP, VBA and .NET Framework
- Extensive experience in using map creation software, including ArcGIS, ArcIMS, ArcView, and Trimble Pathfinder Office and competent in C#, C++, and Perl
- Critical thinking and complex problem-solving skills and aid in finding workable solutions to problems;

5. Timeline for the study: 30 days

6. Submission Procedure

The consultancy firm that wishes to express interest in undertaking the prescribed assignment is requested to submit their respective proposals online through the WWF-Pakistan website:

- A technical proposal not exceeding ten pages
• An understanding and interpretation of the TOR
• 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
• A financial proposal

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

8. **Copyrights:**

    WWF-Pakistan will have the copyright for the entire study data; the consultant(s) will have no right to use the data in any form or publication.

9. **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)

    Work plan
    • Application form available at Consultancy section of WWF Website
    • 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.

10. **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.