

Terms of Reference

Assessment of Carbon Content in Vegetation Samples

1) Introduction:

These TORs are for procuring services of expert (individual consultant) to assess carbon content in various vegetation, litter and deadwood samples collected during the baseline surveys being conducted under the Engro Forest Carbon Offsetting Project. In order to develop Project Design Documents for selected projects sites detailed baseline surveys are being conducted. The project will assess carbon stock in different carbon pools as per VERRA/ VCS standard. For this purpose, the field team are collecting samples of shrubs, bushes, plant litter, grasses, and deadwood (about 800-1200 samples) for which the carbon content will be assessed and detailed report produced.

2) Objective:

Assessment of Carbon Content in Vegetation Samples collected during the baseline assessment survey under the Engro Carbon Offsetting Project.

3) Required services:

Following services are required from the qualified experts;

- Proper examination, assessment and evaluation of the samples collected by the WWF-Pakistan field survey teams during the baseline surveys;
- Preparation of the collected field samples for reliable testing and determination of carbon content;
- Determination of carbon content in the collected samples of shrubs, bushes, plant litter, grasses, and deadwood (about 800-1200 samples). The results should have the following parameters;
 - Fresh weight of the sample (in grams)
 - Oven dry weight of the samples (in grams)
 - Ash content (in grams)
 - Any other relevant parameter that the experts think necessary for the baseline assessment
- Develop detailed report describing the protocols adopted (including quality assurance/ quality control and percent accuracy), description, comparison and evaluation of results keeping in view already published studies and works.

4) Required qualification:

PhD in Forestry with at least 10 years of experience in forestry research including climate change and carbon emissions estimations.

5) Deliverables and Timeline :

The total duration of this assignment is from 30th Jan to 30 Apr 2023. Following deliverables are to be completed with the speculated timeframe.

6) Conditions:

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

7) Copyrights:

WWF-Pakistan will retain the copyright for any and all data, reports, and materials for, or originating from, the project. The consultant(s) will have no right to use the data/report(s) in any form or publication.

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)

Work plan

- 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.