



ENVIRONMENTAL PROTECTION AGENCY
Government of the Punjab
National Hockey Stadium, Gate No. 08
Gaddafi Stadium Complex, Lahore



ESTABLISHMENT OF MURREE BIODIVERSITY PARK (MBP)

Terms of Reference

For

Consultancy Services for Third Party Post Completion Evaluation of Quality of Construction/ Civil/Electrical and Allied Works

Background

The Government of the Punjab, Environment Protection Department under an ADP scheme titled "Development of Biodiversity Parks in Collaboration with City District Governments, District Governments and Business Communities" has established biodiversity parks at Kasur, Bahawalpur, DG Khan and Murree. The executing agency of Murree Biodiversity Park (MBP) is International Union for Conservation of Nature (IUCN). The work of establishment of MBP was awarded to IUCN with approval of Chief Minister in relaxation of Planning and Development Department's guidelines for selection of Consulting Organization/ institutions and allowing waiver of Provincial and Departmental Financial Rules and procedures. The MBP has been established by IUCN at a total cost of Rs. 92.982 Million (Total Rs. 92.982 - 0.788 interest = 92.193 Million). The copy of revised physical and financial scope is at **Annex-I**. The MBP is almost complete except final finishing and furnishing work which is to be completed by IUCN shortly.

2. As per Addendum to the original contact agreement signed between EPD and IUCN, final payment of instalment of Rs. 12.193 Million is to be made to IUCN after completion of work and Third Party Evaluation by a Consulting Firm/ Institution/Organization. Environment Protection Department (EPD), Government of Punjab intends to engage the engineering consulting firm/organization for Third Party Evaluation of the development of Murree Biodiversity Park.

Objectives

The main objectives of the Third Party Evaluation are as under:-

1. To ensure that MBP is completed on ground and the money so invested has its earned value impact on protection and conservation of Biodiversity in the area as per revised physical & financial scope at **Annex – I**.
2. Physical verification of construction/civil /electrical works of the project.

3. Review of quality and quantity of allied works (plantation, solid waste management, waste water treatment, soil conservation, Electricity & Water Supply) in MBP.
4. Review of natural hazards/safety issues and measures taken regarding soil conservation, landslides and forest fires.
5. Review of Operation & Management Plan of MBP.

Scope of Work/Duties and Responsibilities of the Consulting Firm/Organization/ institution

The duties and responsibilities of the Consulting Firm/Organization/ Institution will include but not limited to the following:-

- i. The consulting firm/organization/ institution will prepare a comprehensive and logical work plan as **inception report** and present it to the Secretary, EPD, Punjab, within 10 days from accord of the contract, for approval.
- ii. The consulting firm/organization/ institution shall review the project documents including the technical specifications, records of material tests for concrete, masonry, steel, etc.
- iii. The consulting firm/organization/ institution will check and verify the quality of construction & electrical material used by applying established engineering techniques.
- iv. Evaluate and validate the quality of construction/civil /electrical works as per prevailing/ approved standards/codes of quality set by C&W Department, Govt. of The Punjab.
- v. Validate after measuring / estimating, the quantities of works and materials, as per as built drawings and final Bill of Quantities.
- vi. Prepare a detailed evaluation, validation cum verification report on assessed quality and measured quantities of all construction / civil/electrical works.
- vii. Assessment of quality and quantity of allied works like plantation, solid waste management, waste water treatment, soil conservation, Electricity & Water Supply in MBP.
- viii. Evaluation of Operation & Management Plan of MBP.
- ix. Lesson learnt, if any.
- x. Any other assignment given by the client during currency of contract agreement.

Core Team of the Consultants

The core team of the consultants would at least comprise of the following:-

1. Civil Engineer with at least 10 years relevant experience.

2. Electrical Engineer with at least 10 years relevant experience.
3. Environmentalist (conservationist having background of biology/ botany/ zoology/ forestry) with at least 10 years relevant experience.
4. Along with necessary supporting staff.

Duration:

The consulting firm/ organization/ institution will be required to complete the whole activities and furnish the final report within a period of 2 months (8 weeks) starting from the award of contract.

Penalty:

If the client suffers any losses or damages as a result of proven faults, errors or omissions in the 3rd party evaluation of the project, the consultant shall make good such losses or damages, subject to the such conditions as laid down in terms of the contract agreement signed between client and consultant.

Professional Liability of Consultant

Professional Liability as stated in the prevalent conduct and practice of consulting Engineers prescribed by PEC and as given under rule 54 of Punjab Procurement Rules, 2014 shall be applicable to the consultant.

Payment

All payments made to the consulting firm/ organization/ institution is subject to sales tax and income tax deductive as prevalent rules.

Role of Client:

The EPD, Punjab will depute District officer (Environment), Rawalpindi who will have liaison with the consulting firm, executing agency (IUCN) and concerned departments. He will receive consulting firm`s periodic monitoring and inspection reports and deliver necessary instructions/ guidance after the approval from Secretary EPD/ Director General, EPA Punjab, Lahore. The EPD project staff/ environmentalists will also assist the consulting firm as and when required. No lodging, boarding and logistics will be provided by the client.

Role of Executing Agency/IUCN

The IUCN will depute its representative(s) to assist the consulting firm/ organization/ institution in Third Party Evaluation and will also extend facility of existing office at MBP to Consultant Evaluation Team.

Deliverables:

Consulting firm will provide 05 hard copies along with soft copy of following reports:-

Inception Report: The consulting firm/ organization/ institution shall prepare and submit an inception report within ten (10) days of signing the agreement which shall include and explain the methodology of work plan and time schedule for deploying the staff.

Progress Reports: The consulting firm/ organization/ institution will submit progress reports to client department periodically/ fortnightly basis from the date of submission of inception report.

Draft Final Report: The consulting firm/organization/ institution will submit draft final report which shall include a detailed discussion on items specified in scope of work including findings, recommendations and annexes.

Final Report: Upon the completion of the assignment, final report will be submitted by the consulting firm/ organization/ institution which will cover:

- a) Overall observation and finding.
- b) Recommendation/ suggestion to improve the system and management of MBP in future.