



# Terms of Reference: Trainer on Indigo plantation and handling

08 February 2017

## 1. INTRODUCTION

Contract type: Desk and field based

Duration of assignment: 3 months

This consultancy is part of the “Indus Ecoregion Community Livelihood Project” project (IECLP) financially supported by the World Bank and Japanese Social Development Funds (JSDF).

## 2. BACKGROUND

**Scope:** IECLP would pilot alternative livelihood opportunities and improve capacity of 5,500 households of fisher communities in four priority sites of the Indus Eco region namely – Keenjhar Lake; Manchar Lake; Chotiari; and Nara Canal. Additionally the project would (a) organize targeted freshwater fisher folk into fisher groups; (b) introduce better and sustainable fishing practices; (c) enhance alternative income generation opportunities, for youth, women, and disadvantaged groups, through establishing community based cottage industries; and (d) develop effective and sustainable linkages to markets and local Government. The IECLP will also incorporate a component for climate change adaptation since the introduced interventions are climate resilient. For instance, the use of new practices to influence spawning periods, enhance fish growth, reduce post-harvest losses and the Better Management Practices (BMP) are all aimed at improving climate resilience.

**Area:** The project will focus on four priority sites of the Indus Ecoregion, where WWF-Pakistan is already present and has an understanding of the local communities’ needs and socio-economic potential. The project will cover an area of 2,168 km<sup>2</sup> with at least 187 villages, in the Sindh Province of Pakistan. The priority areas are: (i) Keenjhar Lake in Thatta District; (ii) Chotiari Reservoir in Sanghar District; (iii) Nara Canal and surrounding communities in Khairpur District; and (iv) Manchar Lake and surrounding communities in Jamshoro District.

**Beneficiaries:** The IECLP would directly target the approximately 38,000 individuals (5,500 households). Of these an estimated 30% will benefit through improved livelihoods, such as establishment of bakeries, natural indigo plantations and recycling groups, while 70% will benefit through Better Management Practices (BMPs) for fisheries. The majority of project beneficiaries will be members of fisher communities in the project location, whose socioeconomic conditions are worse than those capable of generating incomes from crops. However, majority of the project beneficiaries own livestock and trainings will help these beneficiaries in generating income through this resource. Beneficiaries will also include members of 17 of the 42 existing Community Based Organizations (CBOs) across the target districts.



### **3. OBJECTIVE OF THE INDIGO PLANTATION**

To train farmers on indigo production and handling for the selling of locally produced 100% natural dye to handicrafts, which will also support local community farmers growing indigo plants.

### **4. KEY OUTPUTS**

1. Conduct a market survey and prepare a cost benefit analysis report for indigo dyes for all four sites. The land area in the four project sites will be selected on the basis of the results of baseline survey and the analysis conducted.
2. Develop comprehensive modules for training on handling, plantation, harvesting, processing and marketing of indigo plant and products.
3. Prepare a manual with information regarding the areas of distribution of indigo plant, the history of applying the Indigo natural dye, its cultivation in the saline soil and climatic conditions of the project sites, methods of treatment of this culture, harvesting of high yield of biomass out of it, as well as the simplest methods of extracting of the paint base under the field conditions. The present manual is intended to be used by farmers so it should be translated in local language.
4. Deliver a training of trainers on indigo plantation and handling including strong members of the community (smart and willing) who can then train and support other community members
5. Identify and create linkages between the community and indigo market
6. Select 15 community plots from already identified demonstration plots (each Plot will be of one acre) for cultivation of indigo plant on the basis of soil conditions
7. Help community and provide technical assistance to the community to purchase raw materials such as indigo seeds as the indigo units would be acquired by community through “sub-grants”

### **5. GENERAL CONDITIONS**

1. All tasks under the contract shall be carried out as required by and to the satisfaction of Project Manager
2. The contract may be terminated by Project Manager through written notice in the event of breach of any condition of the ToRs
3. All reports, reference material data, collected under this assignment and papers written including field samples and photographs prepared under the contract shall be the property of the Project and shall not be used, published or distributed by the Consultant without the prior written permission of the Project Manager
4. The field expenses including boarding, lodging, traveling, porter service and photocopying of the reference literature cited for the project office record as desired etc. will be borne by the consultants.



## **6. REQUIREMENTS FOR EXPERIENCE AND QUALIFICATIONS**

### **MINIMUM REQUIREMENTS**

The successful consultant/contractor/consultant agency will meet the following minimum requirements:

- Education: Master's in social or agriculture sciences
- Past experience of working on indigo plantation and production
- Good understanding of livelihoods and livelihood based interventions
- Excellent writing skills and fluency in local language

### **COMPETENCIES**

- Demonstrates openness to change and ability to manage complexities;
- Demonstrates ability of analytical work and excellent report writing;
- Proactive and able to work with minimal supervision and high degree of initiative, reliability, flexibility, motivation, and resourcefulness;
- Professionalism: flexibility to make ad-hoc changes as and when the need arises; ability to perform under stress; willingness to keep flexible working hours.

## **7. DOCUMENTS TO BE INCLUDED WHEN SUBMITTING THE PROPOSAL**

Interested individual consultants/consultancy must submit the following documents/information to demonstrate their qualifications:

- Proposal: (i) Explaining why they are the most suitable for the work; (ii) Provide a brief methodology on how they will approach and conduct the work
- Financial proposal (including fee, travel cost (if any), and other relevant expenses)
- Curriculum Vitae