



## **Ethiopian Horticultural Producers Exporters Association (EHPEA)**

### **Terms of Reference**

#### **Consultancy Service for Construction of Wetland System and Training**

##### **1. Background**

Ethiopian Horticulture Producer Exporters Association (EHPEA) is a non-profit, non-governmental organization, established in 2002, whose members are legally registered and operating in the horticulture production and export business. The mission of EHPEA is to promote the competitive position of the Ethiopian horticulture sector in the global market.

One of the major key intervention areas of EHPEA is to promote environmentally responsible production practices and build farms capacity. The horticulture farm generates solid and liquid wastes from different production and management practices. Thus EHPEA has initiated a project in partnership with “The Sustainable Trade Initiative (IDH) through the Floriculture Sustainable Initiative (FSI)” to implement construction of wetland system in its member farms to treat waste water generated from the farms.

The aim is to reduce the environmental impact of the horticulture farms effluents’ through construction of wetland system. It will enable farms to recycle the treated water for irrigation and other purposes which will reduce their fresh water demand and also minimize water resource competition with the local communities. In addition the project will build farms capacity on knowledge, experience and adoption of the wetland technology, and development of local experts in sustaining the project.

##### **2. General objective**

The overall goal of the project is to promote construction of wetland systems at EHPEA member farms. Build farms’ capacity on knowledge and experience of wetland operation and management. It will also develop local experts on wetland technology, such that they will be an asset to sustain the project in the future and promote implementation of similar projects in the country.

Accordingly, EHPEA would like to invite competent consultant to conduct below listed specific tasks of the constancy works;

##### **3. Objectives of the consultancy**

- i. Design and supervise the construction of wetlands system in 15 EHPEA member farms;
- ii. Train on wetland operation and management for farms employees in the 15 farms;
- iii. Provide ToT for 20 local experts on wetland technology and experience so that the experts able to design the technology independently

#### **4. Scope and approaches of the consultancy**

The project will be implemented in 15 EHPEA member farms. The farms will partner in the project implementation and coordinate with the consultant.

Thus the consultant will be expected to:

- i. Design and provide consultancy service on construction of wetlands system in 15 EHPEA member farms which includes ;
  - Asses and collect waste water data quantity and quality
  - Run laboratory water sample test and analysis
  - Design a blue print for the wetland to be constructed
  - Supervise the construction phase and evaluate system efficiency
  - Project target: 15 farms
  - Project areas: Debre Zeit, Holetta, Sebetta, Sendafa, Sululta and Koka
  - Target crops: Rose, Summer flowers, Fruits, Vegetables and Herbs
  - Duration: 3 months per phase (1<sup>st</sup> phase 7 farms and 2<sup>nd</sup> phase 8 farms)
  - Deliverables: Design blue prints, field visit reports
  - Assume a wetland size of 1000 m<sup>2</sup>
  - Undertake cost benefit analysis
- ii. Train the 15 farms' employees on wetland operation and management
  - Topic: wetland technology, operation, management and maintenance.
  - Target groups: farm managers, production managers, environmental officers and irrigation supervisors
  - Target size: 60 participants
  - Duration: 6 days (in two rounds: 30 participants for three days at a round)
  - Deliverables: training materials (including manuals or hand book)
- iii. Train 20 local experts on wetland technology (TOT)
  - Topic: Wetland designing, construction, operation, management and maintenance
  - Target groups: environmental engineers, contractors and technical managers
  - Target size: 20 trainees
  - Duration: 30 days (in two rounds: 10 participants for 15 days in a round)
  - Deliverables: Training materials (handbook), practical field sessions and evaluation

#### **5. Deliverables**

- i. An inception report outlining the methodology
- ii. A technical proposal including a detail project plan in a time frame
- iii. A financial proposal including a budget break down in line with the project activities

## **6. Guiding principles and values**

- Accountability, collaboration and integrity with partners in the project (EHPEA, member farms and other stakeholders) and assure implementation of the project in due time.

## **7. Qualification of the consultant**

- Extensive experience in the context of designing and training of wetland system in Africa preferable in Ethiopian environment
- A proven experience on similar projects, preferably in agriculture (horticulture) farms
- Knowledge on environment, ecology or waste water treatment with water engineering background
- Masters and above with a minimum of 10 years' experience
- Skill to provide capacity building trainings, coaching and develop other experts
- Renewed business license of the consultant (firm)

## **10. Application procedure**

Interested consultants can collect the TOR from EHPEA office or can be downloaded from EHPEA website ([www.ehpea.org](http://www.ehpea.org))

- Consultants (firms) must submit both their technical and financial proposals in separate envelopes with in ten (10) days from the first date of bid announcement on this newspaper.
- Both envelopes with bid documents shall be clearly marked as “Construction of Wetland System in EHPEA Member Farms”
- The selected consultant will be notified immediately after evaluation of their application
- EHPEA reserves the right to accept or reject all or parts of the bid.
- Lately coming bids shall be rejected

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