

## **Request- Expression of Interest**

### **Establishment of 150 Green Houses/Tunnel Farms in Three Union Councils of District Shangla Khyber Pukhtunkhawa (KP)**

#### **Introduction & Back ground of Organization:**

NIDA-Pakistan is non-Profitable, non-Governmental, non-Political and non-Religion organization is committed to help the underprivileged population anywhere in Pakistan, including FATA, and Azad Kashmir. This organization operates independently of any political and cultural influences. As a nongovernmental organization NIDA-Pakistan, intervenes both in situations of disaster and non-disaster for sustainable development of the marginalized population restoring their autonomy in the society. NIDAPakistan organization also works for persons with disabilities, non-formal education, against the issue of domestic violence, child sexual abuse/corporal punishment/child labor and child trafficking. The aim of NIDA-Pakistan is to serve the humanity, development of human resources, capacity building, mental health facilities, and economic sustainability without gender discrimination.

#### **Back Ground & Activity Rationale:**

NIDA-Pakistan is implementing “Promoting Opportunities for Women Empowerment & Rights (POWER)” project in district Shangla Khyber Pukhtunkhawa (KP) with the coordination and funding of ActionAid Pakistan. This project is addressing interventions related to Women Unpaid Care Work (UCW), Violence Against Women (VAW) and Women Economic Empowerment (WEE) along with engagement of poor rural women in agriculture, livestock, forestry, microenterprises, marketing, linkages development, networking & alliance building and advocacy related events for empowerment & rights.

Food security is one the main issues of the today world. Almost all countries are now struggling to meet the requirements of food and balance diet for their inhabitants. In the modern world the production pattern of agricultural products from agricultural fields is going to dependent on several unwanted components e.g. hybrid seeds are used for more production but local varieties are becoming finish, chemical fertilizers are used to increase the production from seeds but fertility of land is decreasing day by day, irrigation of land is doing by new methods but nature of land of acceptability of water is not competing needs. These practices are forcing human beings to be dependent on mentioned expensive modes. These are beneficial to some extent for a limited time but destroying the structures and textures of soil which is essential for retaining

fertility status of land. Use of chemical fertilizers for increasing the yield from available land is now common practice in all over world but studies are showing that these artificial fertilizers are not supporting soil to retain their natural fertility for long period of time. This situation is forcing soil to be dependent on the inorganic fertilization which is much expensive and unbearable for poor farmers. It needs targeted and specific interventions motivating small holder farmers to reverse the culture of agriculture with viable CRSA tools and techniques. NIDA Pakistan is planning to establish small sized model greenhouses/tunnel farms one of its CRSA intervention in three UCs of district Shangla.

### **The Green House/Tunnel Farms**

Green house provides climate resistance to crops and farmers can control harsh weather conditions, temperature, precipitation and insect/birds attack as well as greenhouse increases yield and supports off season vegetable production. As a best practice of CRSA, introduction of low cost model vegetable tunnels shall not only raise the per square foot income of the poor women farmers but also shall bring change in the culture of agriculture in the region through introduction of highly valuable harvests of some of the most expensive herbs, spices like saffron. In addition broccoli and off season vegetables like cucumber, bitter guard etc. will be cultivated under tunnels with a focus on pure organic and hygienic practices and produce.

Besides inputs support in establishing small green houses and cultivation of marketable and valuable produce, NIDA shall arrange proper three step training i.e. 1-Initiating and Managing the enterprise, 2-Caring and Monitoring and 3- Harvesting the Benefits (including storage, packaging and marketing) with proper follow-ups by project team.

These model plastic tunnels shall be used for multiple purposes and types of vegetables, herbs and spices of high value and return. The green houses would protect the crops from climate risk and also shall provide fence from animal, bird and insect attacks. These green houses would be established at the courtyards, backyards or adjacent free land to the homes of participating women group members who are small farmers or landless but have enough space at home and are interested to take up the agribusiness. As a scalable and replicable model of CRSA these small model tunnels shall encourage other farmers to adopt this CRSA technique across the region and at a larger level.

Under greenhouse a 10X8/80 sq.feet plot/soil would be developed to make it suitable for cultivation of different valuable tunnel crop types i.e. Saffron, Broccoli, Off-Season Vegetables (cucumber and bitter guard etc.) and medicinal plants as well as home based nurseries of fruit and forest plants. Besides provision

of seeds and tools for cultivation the greenhouse farmers shall also be imparted training and skill development in the concerned sectors and crops. These green houses would be established and inputs would be transferred as a complete package to support and sustain following types of agri-business for women at their household level in quarter three (July-September 18) while considering the cropping seasons, soil suitability and networking with relevant government departments, agriculture research institutions and other best practices by individuals and organizations in agri-business while other valuable species i.e. saffron and vegetables like broccoli and medicinal plants would also be introduced in these green houses

### **Off Season Vegetables & Kitchen Gardens**

NIDA has already experimented with providing kitchen gardening tool kit and seeds of vegetables to 250 women. Besides few exemplary good yields majority of the right holders complained that their kitchen gardens suffered badly with environmental and climatic hazards. Harsh weather conditions, temperature fluctuations, disease, insects and birds. Green house or tunnel farming as a best practice of climate resilient agriculture can provide single solution to all above problems faced by gardeners. Therefore learning from the experience NIDA has planned to bring change in the overall activity concept and establish demonstrable, replicable, scalable and sustainable models of agro-based income generating activities including introduction of off-season cropping and kitchen gardening under greenhouses the rural women may call it **“My Green House”** as her source of income and livelihood.

### **Objectives of the activity:**

The agro based business establishment will be carried out;

- To provide opportunities and space for rural women participation in income generation activities through agri-business involving small scale greenhouse/tunnel farms.
- To provide opportunities and develop linkages of women with markets for sustainable income generation.
- To introduce climate resilient sustainable agriculture and new profitable yields of high value varieties in vegetables, herbs and spices in tunnel/greenhouse.

### **Scope of Assignment:**

Establishment of 150 tunnels/greenhouses covering 80 SFT area suitable for off-season vegetable, cultivation of Saffron, broccoli and other high value species to contribute in the income generation of small women farmers of three union councils of district Shangla namely UC Dandai, UC Kuzkana and UC Damorai.

The assignment covers provision of complete greenhouse package including skilled labour for erection & fabrication of structure, provision of tool kit and water tank and seeds of saffron and off-season vegetables. Following is a brief breakup of the inputs needed to complete the assignment.

**Deliverable**

150 greenhouse/tunnel farms of 80 sq.feet each with complete package of inputs and seed plantation layout.

**Duration**

The duration of assignment is 1.5 to 2 months.

**Inputs Required (Option 1)**

No.	Description	Inputs
1	Shed Structure & Plot development	10X8 (80sft) feet plot Greenhouse/ Walking Tunnel (steel pipe GI Pipe) including fitting material with nursery/plastic sheet/Green House sheets.
		Water Tank 125 gallon double ply
		Tool Kit (1 sickle, 1 weed up rooter , 1 sprinkle, 1 spade, 1 digger)
2	Kitchen Gardening/Vegetable seeds OR Seedlings	Cucumber 10 Seedlings Tomato 10 Seedlings Brinjal 08 Seedlings Green Chilli 07 Seedlings Shmila Mirch 10 Seedlings

**Inputs Required (Option 2)**

No.	Description	Inputs
1	Shed Structure & Plot development	10X8 (80sft) feet plot Greenhouse (PVC Pipe with nursery/plastic sheet) including fitting material with nursery/plastic sheet/Green House sheets
		Water Tank 125 gallon double ply
		Tool Kit (1 sickle, 1 weed up rooter , 1 sprinkle, 1 spade, 1 digger)
2	Kitchen Gardening/Vegetable seeds OR Seedlings	Cucumber 10 Seedlings Tomato 10 Seedlings Brinjal 08 Seedlings Green Chili 07 Seedlings Shimla Mirch (Green capsicum) 10 Seedlings

### **Technical & Financial Proposal**

- The individual consultant or firm will provide the separate technical and financial proposals.
- Technical proposal should include detailed profile and background experience of the consultant in the same field.
- Detailed strategy on how the activity would be carried out including CVs of technical experts/skilled workers to be engaged in this assignment.
- Technical proposal should also include BoQs of inputs and diagrams of Green House structure and materials.
- Financial proposal should include complete breakup of costs as per inputs mentioned above.

### **Qualification for Consultant/Firm**

Consultant/firm should meet the following requirements and qualification:

- Registered Firms/NGOs/LSOs/CBOs with relevant experience in agribusiness, local organizations would be preferred. Valid NTN/STN in case of organization/consultancy firm.
- Consultant/firm should have practical experience in green house construction/agribusiness/ nursery management and related interventions.
- Firm/organization/consultant should have experience in designing & construction of small low cost greenhouse structures and off season vegetable cultivation including cultivation of saffron.
- Experience working with NGOs / INGOs on such assignments.
- Functional Bank Account on the name of individual/firm
- Technical & Financial proposal must be separately sealed in one envelop.

### **Evaluation of Technical Proposal**

- The offers / proposals will first be evaluated on technical merit. The technical evaluation assesses the capacity of the company on the basis of submitted technical proposal and documents submitted.
- Criteria may include: ○ Past experience and relevant human resources. ○ Implementation Methodology & Work Plan. ○ Cost effectiveness of design & structure with quality and innovation. ○ Delivery mechanism & time lines.

### **Evaluation of Financial Proposal**

Financial proposals shall be evaluated on the basis of;

- Itemized cost against each deliverable i.e. Shed Preparation, Water Tank, Toolkit, seedling plantation/plot layout plans etc.
- BoQs and Structure Plan (covering sheet-structure/design with three different options) for 10X8 or 80SFT greenhouse must be attached with financial proposal with per SFT cost.



<b>S. No</b>	<b>Deliverables Description</b>	<b>Schedule of Submission</b>
1	Concept proposal for construction of Green Houses, structures, CVs, Govt./ PEC registration certificate, NTN/STRN, previous certificates, methodology of performance at field level along with covering letter.	Will be Submitted along with application.
2	Financial Proposal Details cost break up keeping in view the time of assignment.	Will be Submitted along with application.
3	Other technical persons detail if working under team.	Will be Submitted along with application.
4	Final report submission to NIDA Pakistan after completion of complete work at all levels.	Will be submitted after completion of activity in given time frame.

### **Payment Schedule**

Payment will be made under three installments i.e. 1<sup>st</sup> (30% of cost) after signing of contract, 2<sup>nd</sup> (30% of Cost) after completion of 50% target and 3<sup>rd</sup> (40% of cost) after successful completion and submission of all reports and deliverables assignment. All payments will be made through cross cheque after deduction of government taxes.

In case of tax exemption, the tax exempted certificate will be provided by selected vendor.

### **Application & Selection Mode**

The individual/consultant firm/ shall send technical and financial proposal in hard copy along with required documents to NIDA-Pakistan Offices address mentioned below. For further clarification and question please feel free to call on 0996-400327/0996-400327/401188/0340-5057158.

Requests will be open for a period of fourteen (5) days after the date of advertisement. Selection of individual consultant/firm/will be on the basis of appropriateness of concepts note, availability on short notice, experience in organic fertilization management related interventions and reasonable financial quotes. **Procurement Committee**

### **Head Office NIDA-Pakistan**

Township Besham District Shangla Post Code 20500, Khyber Pukhtunkhawa (KP) Pakistan

House # 458 Opposite to Luxury Palace Guest House Usman Lane Old Bara Road University Town Peshawar.

Phone# 0996-400327 / 0996-400327/401188/0340-5057158

**Note:** NIDA-Pakistan reserve the right to accept or reject any proposal without assigning any reason.

Clearly mark title of application on envelop.

### Expression of Interest Form

#### ESSENTIAL INFORMATION OF ORGANIZATION

Name of Organization/media firm/group with Acronym/Abbreviation (if any):	
Complete Mailing Address:	
Name & Designation of Contact Person:	
Contact Details	Telephone # <span style="float: right;">Fax # :</span>
	Email address:
	Web site:
Name of the Head (if different from contact person)	
Date and Year of Establishment	
Registration Status	Date of Registration:
	Registration #:
	Registration Authority
Previous experience related to EOI thematic areas	

Proposed methodology to complete the assignment	
Proposed team with names and responsibilities (Please also attach the CVs of proposed experts/skilled Human resources)	
Name of organizations worked with	

**Closing date for submission of sealed quotations through registered courier OR post is 17<sup>th</sup> October 2018.**