HAGGAR FOUNDATION

Grant Application

(improvement of rural women resilience to climate change)

<table>
<thead>
<tr>
<th>Name of the organization</th>
<th>Agricultural technology transfer society</th>
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<tbody>
<tr>
<td>Name of the contact person</td>
<td>Muna Mahjoub Mohamed Ahmed</td>
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<tr>
<td>Email – Telephone</td>
<td><a href="mailto:Munamm789@yahoo.com">Munamm789@yahoo.com</a>, <a href="mailto:prof.munamahjoub@gmail.com">prof.munamahjoub@gmail.com</a>, +249 912149607</td>
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Date: 2010912014

(For internal use only)
Introduction

Haggar Foundation

The Haggar Foundation’s aims and objectives are to encourage and enhance self-reliance in addressing some of the communities’ needs that exist throughout the Country. It has undertaken to provide practical assistance in the fields of poverty alleviation and integrated rural development nationwide.

A similar policy applies in the fields of health care, education, capacity building, relief, drinking water, renewable energy, arts, culture and sports. Haggar Foundation endeavours to help all communities alike, regardless of locality, ethnic origin or religious affiliation.

Eligibility

Who can apply to HF?

- Officially registered Sudanese civil society organizations (associations, NGOs, CBOs, associations’ network, trade unions, self-help organizations...)
- All non-profit institutions aiming at the alleviation of poverty and improving life, nationwide.
- Profit-based organizations are not eligible.

Requirements

- The projects funded cannot include religious or political activities of any type, nor favour any community on the basis of religious, political, or ethnic criteria.
- Support for the project will not exceed one year as the aim is to encourage and ensure self reliance and sustainability.
- Any purchases of material and/or equipments should be supported by 3 Performa invoices.

Selection Process

- Initial request will be appraised and if it falls within HF’s policy then the applicant will be invited to fill up HF’s application form. The application form must be filled up and returned back within a period of maximum one month to HF Offices.
- In the meantime, applicants will be approached by HF Field Officer for a visit of the project and/or the organization. Help can be provided with preparing the application form.
- Once all the application forms are received and filled correctly, the final selection will be made during HF Executive Committee meeting.

Other

- Applicants with accepted projects will have to sign a contract with HF stating the activities and the costs that will be covered by HF as well as the number and time of installments. Applicants must agree to be bound by the terms and conditions.
- Substantial changes proposed to the project (e.g. activities, budget, timeframe, etc) need to be approved by HF initially and an additional clause annexed to the grant agreement.
• All expenses must be supported by original invoices, receipts and other relevant financial documents. These need to be submitted along with all due financial reports.

• A progress and financial report will have to be submitted to HF monthly if the project is less than 6 months in duration and quarterly if the project duration exceeds 6 months.

• HF reserves the right to visit and inspect the project at short notice.

Criteria of analysis

The application form will be analyzed regarding the following criteria:

Context
   Assessment of the situation and good identification of the needs
   Security in the area and possibility of access for HF’s staff

Project
   Is the project justified according to the needs?
   Is the project eligible to HF?

Results
   Coherence of the number of beneficiaries and target groups
   Impact on the community
   Number of beneficiaries
   Impact on the improvement of beneficiaries living conditions
   Formulation of the objectives
   Coherence of the expected results (of the project holder, in the area of intervention, in the region)

Sustainability
   Sustainability of the project
   Involvement of the local and grassroots authorities
   Involvement of the community
   Capacity building

Budget
   Coherence of the proposed budget lines
   Reasonable requested amount
   Community participation

Applicant
   Experience of the applicant
   Expertise of the applicant
Previous experience with donors
Applicant’s competence and qualifications or field records
The Organization

**Name of the organization:** Agricultural Technology Transfer Society (ATTS)

**Type/description of the organization:** ATTS is a non-governmental organization

**Authorization/Permit:** the organization is accredited by the Ministry of Humanitarian Affairs in the Sudan according to the work permit No.2234 dated January 21st 2009

**Any published information:** the organization has a website with some published information www.sudanatts.org

**Year established:** 2009

**Contact person and Position:** Muna Mahjoub Mohamed Ahmed, manager

**Email:** Munamm789@yahoo.com, prof.munamahjoub@gmail.com,

**Phone number:** +249 912149607

**Fax:**

**Address:** Khartoum-North, Kafouri block 8
N.B. When filling up the form please delete the explanatory notes under each heading

**Project title:** improvement of rural women resilience to climate change

**Project location:**
*State, Region, city, villages, - if possible include a map.*

Khordofan, western Sudan Kamas villages

**Project Summary and Context:**
Backyard home gardening is a common practice in the rural rain-fed areas of Kordofan State. Vast majority of rural women in the project area are engaged to varying degrees in backyard crop production. The average size of the homestead (Locally known as Jubraka) area varies from less than 0.5 feddan to one feddan. The former small sized garden is adjacent to home, while the latter located at the proximity of the village. It is a women major farming activity due to its proximaty to home or village, which would enable them to spare time for other home activities. It is cultivated with pulses and vegetables crops (okra, cucurbits, watermelon) for home consumption. The output from this activity becomes in many cases a factor in covering household food and income shortfalls. Women generate income from the sale of about 50 % of the production of the home garden.

Jubraka crop yields are low due to low-erratic rainfall and poor cultural practices including widespread of poor quality seed varieties and poor soil fertility, lack of appropriate soil and water conservation. The irregularity of rainfall (amounts and distribution patterns) results into irregular offer of water and crop yield and constitutes a permanent disturbing factor to jubraka production. Even with average rainfall, the major two agro-climatic zones where jubraka farming is predominant are ecologically sensitive and vulnerable to water deficit and require careful management in order to achieve sustained productivity. Greater chance of crop success can be achieved with improved soil moisture availability and cultural practices through introduction of soil treatment, water harvesting, supplementary irrigation and fertility restoration via the use of biogas biofertilizer.

The overall objective of the enhancement of the women home garden is to improve household (HH) food security and facilitate generation of income for most vulnerable and poorest rural women groups. Specifically, the intervention aims at maintaining system of promoting production of marketable food products such as vegetables, added value agri-processed food to provide additional farm income for women. The intervention will focus on supporting and increasing the number of women involved in homestead crop cultivation and increase in share of household incomes generated from sale of crops particularly vegetables.

The enhanced jubraka system is a small-scale simple structure and that can be constructed at low cost, making it easily replicable and adaptable. The target groups are 100 women at Kamas villages at western Kordofan

**Assessment of the needs:**
*Statement on the local context and on the revealed needs.*
Is there any other NGO working in the area on other or same issues? Is there a risk of overlapping with other NGOs, community based organizations or local authorities?
Describe briefly stakeholders of the area: civil society, NGOs, local authorities

There are two NGOs working in the area, these are Vetcare and plan Sudan, there is no overlapping in the same issue

**Duration of the project:**
6 months
Funding:
Contribution of the NGO (if any):
Any other sources

*Kindly note that the contribution of the NGO can be financial or in-kind*

ATTS will contribute by human resources who will carry out training of women, monitoring and evaluation.

Project Objectives and Activities

**Goal of the project:**
To improve women resilience to climate change though better farming practices pertaining to water conservation and soil fertility. Our organization is contributing in training and providing technical assistance and advice and extension. The enhanced jubraka system is a small-scale simple structure that can be constructed at low cost, making it easily replicable and adaptable. If project could be looked upon as long term in the sense that women successfully adopting such technologies will become self-reliant in a sustainable manner

**Specific objectives:**
- To provide women with new technologies and approaches to develop to improve farming practices
- To increase the income of women, this results in the better use of household resources and improved caring practices
- To empower women to access proper credit and marketing facilities
- To cover a portion of family food needs and some income

**Expected Results and outputs:**
- Farm manure and compost making.
- Improved practices for home garden namely in terms of water conservation, irrigation, and seeding, weeding, mulching and soil fertility.
- Technology for drying available food commodities for either home consumption or for sale in the off-season at higher prices
- Raising vegetables for supplementing diets as well as income for women improve both social and economic life of the family
- Nutrition improvement as vegetables is good supply of carbohydrate, protein, minerals, and vitamins.
- Prevention of various diseases resulting from malnutrition and unbalanced nutrition
- Awareness and Adoption of Improved Agricultural Practices
- Raising vegetables for supplementing diets
- Raising income is of women of the rural area

**Detailed description of activities:**
The implementation of jubraka enhancement system entails the following activities:

**Land treatment**
The land is first prepared by using simple tools to establish furrow-ridge system that consists of parallel earth ridges approximately on the contour at spacing between one and two meters. Soil is excavated and placed down slope to form a ridge, and the excavated furrow above the ridge collects runoff from the catchment strip between ridges. Small earth ties along the furrows are provided
every few meters (e.g. 2 m) to ensure an even storage and distribution of runoff water. This system can be constructed manually using family hand tools. It is constructed in early season to enable capturing of earlier rain on June and hence planting. This system is typically suitable for row crops that require relatively large inter-row spacing including cucurbits, watermelon, eggplant, tomatoes. Biogas produced water is used to will applied before planting to furrows to improve fertility and water holding capacity. The suldg remaining after manue fermentation is a good quality fertilizer which will add further to the fertility of the soil.

The project will support the establishment of the piloting jubraka by providing improved seeds while the rural women will be trained to raise seedlings on household used shopping plastic bags enabling re-cycling of this wasteful materials and contribution to environmental cleaning.

Seeds or plant seedlings of at least one month old could be prepared in house and planted immediately after the first effective rain. It is recommended that seeds or seedlings are planted in both sides of the furrow on top of the ridges. Weeding operations are performed when necessary by family labor and weeds should be used for mulching. It is recommended that this system occupies half of the jubraka area, depending on type of crops to be grown by women farmer. The other half of land is occupied by the small infiltration basins.

Biogas units installation
20 biogas units are to be installed in selected households to benefit 100 women i.e 5 units for every 20 households living near each other. The produced water from each unit will be applied in certain doses and is enough to supply the 20 households. Supplemental water will be made available though establishment of runoff water collection pit for giving life saving supplementary irrigation during the cropping season when jubraka crops are subjected to seasonal water stress. The pit is a circle of 5 m in diameter and 1.5 m depth or 30 m3 storage capacity. Lining the bottom and sides of the pond with a plastic sheet is required to prevent the deep percolation and evaporation losses. Given the capacity of the pond and the size of half feddan jubraka, then the pond can provide about 15 mm depth of irrigation water per each irrigation event. Since the pond can be re-filled several times during the rainy season, more than one irrigation is expected to be secured.

Estimated impact on target groups:

- Increased awareness of the nutritional value and potential of under-researched vegetables
- Diversified and increased income for rural women through improved production and marketing opportunities
- Improved environmental sustainability through better soil fertility management and soil and water conservation
- Increased capacity of women farmers, scientists, non-governmental organizations, and government agencies in vegetable production, processing, and marketing.
- Better returns, better family consumption and sale of surplus
- Better economic benefit as a result of new intervention
- Creation of a community-run monitoring system to assess the impact of crop diversification on resource use and the environment

Number of beneficiaries:
100 women are direct and households are beneficiaries. The community as a whole could be envisaged as indirect beneficiaries as they will be able to find their needs of vegetables from the market probably at lower price.

Description of the beneficiaries:
Women at western kordofan villages are the target group.

Reasons for the selection of the target groups:

Women are the most vulnerable group to climate change fluctuation of rainfall and desert encroachment. The responsibility of cooking lies with women who spend considerable time in collecting the fuel wood and in kitchen preparing meals for the family. Furthermore the impetus of developing the program was the effect of the indoor air pollution, due to the use of fuel wood, on the children who spend substantial time with their mothers in the home. If the mother is often sick or tired, the welfare of the children is similarly affected. The high level of anaemia among pregnant and non-pregnant women, combined with carrying heavy loads is apt to hamper the growth of the foetus and reduce the quantity and quality of maternal milk of the prospective mothers. Women who can spend less time collecting fuel have more opportunity to undertake income-generating activities like women gardening

We help by improving productivity in the farming practices and empowering communities to be self-reliant and independent.
Methodology

Methods of implementation:
(in participation with beneficiaries, in coordination with local authorities, etc...)

Methods of implementation will include land preparation with especial water harvesting technique accounting also for supplemental irrigation from pits and produced biogas water units. Both women and main can contribute for land preparation. Establishment of seed nursery will carried out by women. Extenionists from agricultural authorities could be invited to learn about and to be in the field to help solving problems that might arise for any reason by women farmer. They can also assist in dissemination of the technology to involve more women that will be self reliant.

Reasons for the proposed methodology:
Water harvesting techniques and biogas as an alternative green energy proved to be improve crop production and use of better sustainable energy alternative

How the project intends to build on a previous project or previous activities (where applicable):
ATTS has already established 15 biogas unit at western kordofan, 5 was funded by ATTS and 10 by Haggar. Women garden was already implemented for 5 household using biogas produced water as fertilizer. The project is successful and worthwhile to build on

How the project fits or is coordinated with a larger programme, with the priorities defined by the regional or local authorities or with other initiatives in the region:
The project was submitted as a clean development mechanism as a program of activities to implement the installation of 15,000 biogas units for 21 years so as to benefit from the carbon market. However, revenue from the market is becoming very small that will not even sustain maintenance and training.

Explain the coordination with local authorities:

Will your organization implement the project with partner? What is the role of each partner (where applicable):

Team proposed for implementation of the project:
Explain how many human resources you need and their functions - there is no need to include the names of individuals here.
Sustainability

Sustainability of the project after the termination of HF funding:
*Distinguish between the following aspects of sustainability - Financial sustainability (How will the activities be financed after the funding ends?); Institutional sustainability (Will structures allowing the activities to continue be in place at the end of the present project? Will there be local “ownership” of project outcomes?); Sustainability at the policy level (where applicable) (What will be the structural impact of the project – e.g. will it lead to improved legislation, codes of conduct, methods, etc?)

Exit strategy:
*What is your strategy to make the project sustainable (mode of management of the activity during the project and after grant, steering committee, etc.)
The applicant

Identity

Full legal name:

Acronym (where applicable):

Legal status:

Registration number:

Official address:

Postal address:

Contact person for the project:

Telephone n°:

Fax n°:

E-mail address:

Website:

Bank details

The bank must be in the country in which the applicant is registered.

Account name:

Bank account no:

Bank code:

SWIFT code (where applicable):

Bank name:

Bank address:

Name(s) of signatory (ies):

Position(s) of signatory (ies):

Description of the applicant

When was your organization founded and when did it start its activities?

What are the main activities of your organization at present?
Capacity to manage and implement projects

**Experience with similar projects:**
*Detailed description of projects managed by your organization over the past five years in the fields covered by this programme, identifying for each project: the object and location of each project; the results of the project; your organization’s role (leader, partner) and level of involvement in the project; the project cost; the donors of the project (name, address and e-mail, telephone number, amount contributed).*

Other

*Did you apply for other funds before or for this project? If yes, please mention them and indicate their field of funding.*

**Other documents to be joined**

*Kindly note that incomplete application will not be taken into consideration.*

- **Annex 1** Global budget
- **Annex 2** Detailed budget
- **Annex 3** Performa Invoices (3)
- **Annex 4** Timeframe & Planner
- **Annex 5** The article of Association of the Applicant
- **Annex 6** Charter of the Association
Annex 1 & 2 - Budget for the project

Provide a budget for the total duration of the project. Explain in a few lines, the proposed budget (calculation, estimates, the needed human resources...) and the contingencies you can face. Please precise also your contribution and the origin of your resources (financial or in kind).

Provide information on the expected other sources of funding for the project (if relevant).

Global budget (budget line examples)

<table>
<thead>
<tr>
<th>Budget line/ Activities</th>
<th>Amount in SDG</th>
<th>Amount requested from HF in SDG</th>
<th>Amount provided by the Institution SDG</th>
<th>Amount provided by other donors (if applicable)</th>
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<tbody>
<tr>
<td>1 – Equipment and supplies</td>
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<td>Total direct eligible costs</td>
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<td>Contingency line 5 %</td>
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<td>Total eligible costs</td>
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Detailed budget: (Budget line examples)
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<th>Description</th>
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<tr>
<td>1 – Equipment and Supplies</td>
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<td>2- Materials</td>
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<td>6 - Other costs</td>
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<td>Total eligible costs</td>
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Annex 4 – Timeframe & Planner

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- Activity 1 -

- Activity 2 -

- Activity 3 -

- Activity N -