

**PROJECT DESCRIPTION****ASEFER Africa Market Garden Project****Niger****I. Introduction**

This appendix describes the activities to be undertaken and the results to be achieved with the funds obligated under this Agreement. Nothing in this Appendix A shall be construed as amending any of the definitions, conditions, or terms of the Agreement.

**II. Background**

ASEFER (Support for Rural Women's Socio-Economic Activities) is an intermediary non-governmental organization that specializes in the design and implementation of programs that benefit marginalized women's groups in Niger. ASEFER has assisted the women's association in the village Tanka II to diagnose their problems and seek appropriate solutions to address them.

One of the major problems that the women of Tanka II identified was food insecurity due to the limited yields obtained from the rain-fed agriculture currently practiced in the village. The women's association would like to improve their incomes and food security by cultivating improved vegetable crops and fruit trees on a year round basis. However, they lack the necessary investment capital and technical capabilities to develop these activities.

**III. Funding****A. ADF Contribution**

The financial plan for ADF's contribution is set forth in Appendix A-1 to this Agreement. The Parties may make changes to the financial plan without formal amendment, if such changes are made in accordance with Article 7 of the Agreement and do not cause ADF's contribution to exceed the obligated amount specified in Article 4, Section 4.1 of the Agreement.

**B. Client Contribution**

ASEFER will contribute three hectares of land valued at CFA 2,000,000.

**IV. Project Goal**

The Project's goal is to improve the living standards of the Tanka II women and their families.

**V. Project Purpose**

The Project's purpose is to increase the average annual net income of the women of Tanka II derived from Project activities from CFA 0 at present to:

- A. CFA 133,756 in Year 1;
- B. CFA 193,712 in Year 2;
- C. CFA 162,204 in Year 3;
- D. CFA 177,805 in Year 4; and
- E. CFA 369,299 in Year 5.

**VI. Outputs**

The Project will result in the following outputs.

- A. Average annual sales revenues of the members of Tanka II derived from the Project will increase from CFA 0 at present to:
  1. CFA 419,957 in Year 1;
  2. CFA 505,609 in Year 2;
  3. CFA 460,598 in Year 3;
  4. CFA 482,885 in Year 4; and
  5. CFA 756,447 in Year 5.
- B. Technical capabilities of the Tanka II women's association will be strengthened, as evidenced by the following:
  1. year-round production of high value vegetables and tree crops by the members of the association; and
  2. seed for the high value vegetable and tree crops produced by the members of the association.

**VII. Activities**

The Project will replicate the Africa Market Garden concept, in which a package of technologies including a low pressure drip irrigation system, agricultural inputs and improved crop practices will be developed on the site with the technical assistance of the International Crops Research Institute for the Semi Arid Tropics (ICRISAT). The use of high efficiency solar powered pumps for irrigation from shallow wells will be field tested in Niger by this Project. As a result, the Tanka II women's association will be able to develop vegetable crops and fruit trees on three hectares of land.

## A. Infrastructure

1. ASAFER will work with the Tanka II women's association to participate in African Market Garden (AMG) concept where 3.0 hectares of low pressure drip irrigation system will be installed to produce vegetable and tree crops on year round basis.
2. During the first month of the Project, ASAFER will work with Tanka II women's association to level and fence 3 hectares of land where vegetable and fruit tree crops will be developed for drip irrigation. The Cooperative will also install a fruit tree nursery that covers an area of 375 square meters and be fenced. Moringa seedlings will be established, and selected fruit trees will be planted to serve as mother trees for grafting operations.
3. ASAFER and Yelou II will install six solar pumps with a capacity of six cubic meters per hour to pump water from a well into six raised reservoirs to provide adequate pressure for the drip irrigation system. The association will construct one meter high brick reservoir stands to support the reservoirs and install a drip irrigation system to supply the new perimeter over the following five months. The association will construct a 280 square meter service center where they can store agrochemicals and spare parts, as well as hold meetings and process and package their produce and packaging space.
4. ADF will provide Yelou II with working capital to purchase vegetable seeds and fruit tree seedlings, fertilizers, and ADF-approved pesticides to initiate production on the irrigated perimeter.

## B. Technical assistance

1. The ADF Partner will provide bookkeeping training to the ASAFER facilitator and accountant to ensure that ASAFER establishes bookkeeping and reporting systems consistent with ADF requirements.
2. ASAFER will contract with the International Crops Research Institute for the Semi Arid Tropics (ICRISAT) to provide project planning and coordination, supervision of drip irrigation installation, training of the technical supervisor, and farmers, and technical monitoring services to Tanka II for the first two years of the Project. ICRISAT will hire a specialist to provide technical assistance to on a half-time basis. An evaluation of the performance of the solar pumps in the rural Niger environment will be completed for potential replication at other sites.
3. Tanka II will send eight association farmers to be trained in ICRISAT Sadoré in seed production and fruit tree propagation. These farmers will return to serve as lead farmers and trainers to other Cooperative members at the irrigation site.

**VIII. Roles and Responsibilities of the Parties**

ASEFER has primary responsibility for ensuring that the Project's activities are properly implemented. ADF's Partner in Niger will provide technical support and guidance.

**IX. Monitoring and Evaluation**

Within sixty days of the effective date of this Agreement, ASEFER, working with the ADF Niger Partner, will establish a Project monitoring plan, including market analyses, to ensure that the Project follows the implementation plan and that problems identified through monitoring and evaluation are adequately addressed in a timely manner.