



FINAL REPORT

SSEZIBWA DEMONSTRATION FARM

THE SILOS



BUDGET:

27.257,63 Euros

LOCATION:

Mukono, Uganda

SECTOR:

Food Security and Economic Empowerment



THE SILOS

1.1 THE SITUATION

Sezibwa Demonstration Farm is a community based organization which trains people on modern farming techniques. Nearly 95% of these beneficiaries depend on crop production and their main challenge has been price fluctuation, as they depend entirely on natural seasons and lack on storage facilities to keep their produce. They end up selling their produce to middle men far below the average prevailing prices.

1.2 THE GOAL

This project was aimed at ensuring **food security** in the community while improving grain food storage for purposes of increasing food security, as well as **improving on the economic wellbeing** of the beneficiaries.



1.3 THE PROJECT

During 2013 we have constructed a modern store equipped with **six large silos each with the capacity of 9,000 kilograms of grains**. The silos are equipped with a moisture meter which ensures that the grains are dry before storage. Good quality produce leads to better prices on the market which skill was missing before. The demonstration farm has already trained its beneficiaries on the advantages of ensuring **proper post harvesting skills** which lead to better quality of their produce hence higher prices on the market. The demonstration farm has mobilized the community to come together and make good use of the silos by storing their produce during the periods of over production.

Storing their produce together ensures that **the beneficiaries will enjoy collective bargain on the market prices** and this will enable them **to eliminate the “middle men”**. The demonstration farm charges a **user friendly fee** which is levied in kind to meet the fumigation costs and other costs for managing the store. On top of that charge the demonstration farm manages a **seed bank** where all beneficiaries deposit part of their produce (seeds) to cater for the next planting season.



Three of the six silos were filled up with seed bought with funds from *Costa Family Foundation Onlus*, for a total of 28,000kg of maize seed at a unit cost of UGX 732. The other three silos will be used by the community as their stores.

Since the inception of the silos, the quality of the produce is emphasized, beneficiaries have become more aware of the advantages of properly drying their produce before they bring it for storage.



Above is the store that holds the six silos

INDIVIDUAL BENEFICIARIES will bring their produce and have it weighed in kilograms and moisture content before being issued with **seed deposit slips** indicating how much tonnage they have stored. The same deposit slip is needed when the beneficiaries come to sell their produce. Beneficiaries always have an **independent decision** regarding their stored produce, such as selling a portion for their household needs.

THE MARKETING of the produce is done by a team of people who are knowledgeable on the prevailing prices countrywide, composed of five members: three from the community and two from the demonstration farm. **The demonstration farm will keep the produce bought from the farmers and sell it with a good profit margin to the dealers when there is scarcity on the market.**

An agreed upon portion from the stored seeds will be levied by the demonstration farm from each beneficiary, depending on the tonnage deposited, to meet the costs for managing the silos, such as fumigation, spraying, cleaning and security.

“I used to produce about 1,000 kilograms of maize seed every season and I had no room to store my produce. Middle men used to set their prices. We sometimes sold below half the normal price.”

Charles Lwanga, 52, married and a father of 7 children.

2. WATER FOR THE COMMUNITY

The project for the construction of silos was finalized having a positive balance, which has been used to enable the extension of piped water to the community, **providing potable water to over 300 beneficiaries in the neighborhood of the demonstration farm.** The farm extended a water pipeline beyond its premises to the community, and installed a 10,000 liter tank for water storage. The community currently enjoys clean and safe water pumped from the farm.

In this way, **the risk faced from children, traditionally girls, on the long way to collect water, in most cases late in the evening after returning from school, has been reduced.**

3. ACTIVITIES OF PREVIOUS PROJECTS

3.1 THE THRESHING MACHINE bought with the Costa Family Foundation funds is still used actively by the Sezibwa Demonstration Farm together with the community, to make animal and poultry feeds. For this purpose the stems and leaves remained from the harvest used and turned into animal feed using the thresher.

3.2 THE POULTRY PROGRAM started two years ago has become self-sustainable despite of the problems encountered with the first lot. The farm currently has **1,200 egg-laying chickens** that started laying eggs three weeks ago and are progressing very well. If all goes on well we anticipate a good profit margin from the sale of eggs.



Mr. Semwogerere, the farm manager, sorts and organises eggs for sell



FINANCIAL REPORT ON EXPENDITURE FOR COMPLETE CONSTRUCTION OF SILOS AND PURCHASE OF MAIZE SEED

| | Description | Proposed Budget | | | | Expenditure in €uro | Balance in €uro |
|-----------------------------|-------------------------|-----------------|------------|-------------------|--------------------|---------------------|-----------------|
| | | Unit | Unit Cost | Total Cost | Equivalent in €uro | | |
| 1 | Substructure | 1 | 14,041,000 | 14,041,000 | 4,254.85 | 3,182.35 | 1,072.50 |
| | Walling and frame | 1 | 4,430,000 | 4,430,000 | 1,342.42 | 911.76 | 430.66 |
| | Roof construction | 1 | 5,920,000 | 5,920,000 | 1,793.94 | 2,338.24 | - 544.30 |
| | Windows | 1 | 1,338,000 | 1,338,000 | 405.45 | 470.59 | - 65.13 |
| | Doors | 1 | 1,091,000 | 1,091,000 | 330.61 | 441.18 | - 110.57 |
| | External wall finishes | 1 | 942,280 | 942,280 | 285.54 | 1,100.00 | - 814.46 |
| | Internal wall finishes | 1 | 1,051,780 | 1,051,780 | 318.72 | 879.41 | - 560.69 |
| | Floor finishes | 1 | 773,500 | 773,500 | 234.39 | 676.47 | - 442.08 |
| | Lightening protection | 1 | 3,240,000 | 3,240,000 | 981.82 | - | 981.82 |
| | Contingencies 10% | 1 | 3,282,756 | 3,282,756 | 994.77 | 962.06 | 32.71 |
| | V.A.T 18% | 1 | 6,499,856 | 6,499,856 | 1,969.65 | - | 1,969.65 |
| 2 | 10.000 litres PVC Tanks | 6 | 4,500,000 | 27,000,000 | 8,181.82 | 8,170.97 | 10.85 |
| 3 | Storage accessories | 1 | 640,000 | 640,000 | 193.94 | 210.74 | - 16.80 |
| 4 | Humidity tester | 1 | 2,200,000 | 2,200,000 | 666.67 | 568.70 | 97.97 |
| 5 | Maize in kgs | 35,000 | 500 | 17,500,000 | 5,303.03 | 6,091.17 | - 788.14 |
| Total Project Budget | | | | 89,950,172 | 27,257.63 | 26,003.64 | 1,253.99 |



FINANCIAL REPORT ON EXPENDITURE FOR THE EXTENSION OF PIPED WATER TO THE COMMUNITY SURROUNDING SEZIBWA DEMONSTRATION FARM

| Item | Quantity | Rate | Total |
|---------------------------------------------------------|----------|-----------|------------------|
| A) Construction of the slab/ base for the tank | | | |
| Aggregate stones | 2 trips | 160,000 | 320,000 |
| Lake sand | 3 trip | 150,000 | 450,000 |
| Plaster sand | 1 trip | 130,000 | 130,000 |
| Cement | 13 bags | 30,000 | 390,000 |
| Bricks | 500 pcs | 250 | 125,000 |
| Labor | | | 200,000 |
| Sub total | | | 1,615,000 |
| B) Purchase of the tank and plumbing accessories | | | |
| Plastic Tank 10,000 ltrs | 1 | 2,900,000 | 2,900,000 |
| Pipes and other plumbing accessories* | | | 4,230,000* |
| Labor | | | 300,000 |
| Transport of the tank | | | 200,000 |
| Sub total | | | 7,630,000 |
| GRAND TOTAL | | | 9,245,000 |

Legend:

*Expenditure item funded by balance from silo project (equivalent to **€uro 1,253.99**)





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