

**MAKENI ECUMENICAL CENTRE**  
**AGRICULTURAL SETTLEMENT PROJECT**  
**HAMMERMILL PROJECT**

Report on Hammermill  
Project in Mwomboshi  
Settlement Village

May 2008

J. SILWENGA  
B. ZULU

## **1. Introduction**

Makeni Ecumenical Centre, Agricultural Settlement Project from January to May 2008 undertook to establish a Hammermill installation in Mwomboshi Settlement Village with the financial support from the Colonies of the Benevolence through Mr. Dimitri Knobbe. This report is prepared for the purpose of giving feedback on the activities that were done up to the time when the Hammermill facility was installed as well as the financial implications involved.

Mwomboshi Settlement Village is one of the five settlement villages under Makeni Ecumenical Centre. It is located about 104 km north of the City of Lusaka. It is surrounded by a river to the north and streams on the other sides. It has an area size of about 1250 acres. This capacity implies that the Agricultural Settlement Project is capable of settling 110 families. The village has a population of 81 families i.e., approximately 350 people. We settle on average 4 families per year in Mwomboshi. On the overall we settle an average of 15 families per annum. They have one community school from pre-school to grade seven with over 100 pupils. The nearest medical facility is 24 km to the south. The dependable, though not reliable, mode of transport is the train. They walk 8 km to the railway station. Sometimes they rely on the Makeni Ecumenical Centre duty vehicle which the Settlement Officers use monthly for extension visits.

The Village is run by the Village Management Committee (VMC) which is elected in March every two years. The VMC consists of nine executive members. It discharges its mandate as stipulated in the Settlement Village Constitution.

The majority of the settlers are former city dwellers who have decided to settle for an alternative lifestyle due to economic hardships compounded by unemployment, retrenchments, retirement and generally the poor local economy. Some are former civil servants and professionals while others are semi-literate but had lived in the city a significant part of their lives.

Makeni Ecumenical Centre, though the founder of the Agriculture Settlement Project, operates with the community under the concepts of partnership and participation. This means the community shares responsibility with MEC on critical projects and has the freedom to take local initiatives and explore suitable alternatives. The main roles performed by the Centre are facilitating (critical development areas that can improve the productive capacities and income generation), linking and networking, leadership capacity building and training, agriculture extension work and minimal assistance through small loans for new settlers.

The financing of the Project cover two parts. Makeni Ecumenical Centre paid for capacity building, logistical and administrative costs. According to the initial costing, the total cost was K6,321,125 (€1,216 the exchange rate was K5,198.29 per Euro). The Colonies of Benevolence was to cover for physical material costs amounting to K10,400,000 (€2000).

## **2. Objectives**

The Project on the Establishment of the Hammermill in Mwomboshi Settlement Village had the following objectives:

- 2.1. To renovate and complete the existing hammermill building so that it would be suitable for housing the Hammermill.
- 2.2. To get the existing hammermill repaired and assembled by experienced people.
- 2.3. To facilitate the beginning of the project as a cooperative by training all interested cooperative members in (a) Basic Cooperative Management and (b) Basic Hammermill maintenance, routines and schedules.

### **3. Project Implementation**

The initiation implementation of the Project was scheduled to take 8 months (September 2007 to April 2008). However, since the financial resources were available in January 2008 and the reporting required in May, the project activities had to be compressed within the 4 months available. All the objectives have been achieved except for the adjustment on the engine and the training on cooperative management to be in the third week of May 2008.

- 3.1. Renovation of the Hammermill building** – The building has been worked on. The roof and floor have been done. The windows and doors have been fitted. All the civil works were done by the community using individuals qualified in brick-laying and civil works. This helped save us K3,641,750 for contractor charges. They also contributed burned bricks, stones, sand and non-technical manual labour. The initial design was planned to have an extension room attached to the main building. However due to the difference between the concrete blocks of the existing building and the local burnt bricks it was decided that a separate structure be built in order to avoid the cracking of the bricks when joint to the existing building through incompatibilities of the bricks and blocks as well as vibrations.
- 3.2. Hammermill (HM)** – The HM components were taken to Saro Agri-equipment Limited for reconditioning, repairing and assembling. The engine could not be used because the crankshaft had precision defects up to about 70%. It, therefore, needed to be replaced with a new one to be procured in South Africa. This brought the cost from K4,075,000 to about K7,100,000 without VAT. The Executive Committee decided that a new engine be bought at the cost of K8,248,000 (€1,512.28). The price difference was not significant and the time to wait for the procurement of such could not permit us to be within the schedule.
- 3.3 Training and Installation** – Training in the Basic routine maintenance of the HM and installation were done by an expert from Saro. The launch and operation of the HM will start in the third week of May 2008 once the concrete has firmly dried up. Training in Cooperative Management shall be done soon after operations have started within the month of May.
- 3.4 Leadership** – The Committee has been put in place in consisting of five Members. They have been in charge of coordinating and supervising day to day project activities. Their capacities will be enhanced during Cooperative Management training programme and another one on Leadership Development with Green Living Movement in May 2008.

#### **4. Project Materials**

The external funding for the Project was strictly for physical requirements. This was followed accordingly. The total expenditure on the materials amounted to K11,821,000 (€2,167.40). It is shown in the Financial Statement.

## 5. Financial Report

The Financial Report reflects the segment that was funded using donor resources. A full Financial Report will be made available soon after the launch and all follow-up activities are concluded.

<b>5.1 Capital Items</b>					
<b>No.</b>	<b>Description</b>	<b>Qty</b>	<b>Unit Price</b>	<b>Total Price</b>	<b>Subtotal</b>
1	Hammermill - engine	1	8,248,000	8,248,000	
2	Cement	20	70,000	1,400,000	
3	Iron sheets (average price)	16	51,000	816,000	
3	Planks for roofing	20	19,500	390,000	
4	Roofing nails	2	12,500	25,000	
5	Wire nails	2	7,500	15,000	
6	River sand*				
7	Building sand*				
8	Burned bricks*				
8	Soft wire	3	10,000	30,000	
9	Window frame	2	70,000	140,000	
10	Window panes				
11	Door frames	1	100,000	100,000	
12	Grill door (double)	1	300,000	300,000	
13	Doors - mukwa	1	220,000	220,000	
14	Steel Chain, other locking systems	1	87,500	117,500	<b>11,801,500</b>
<b>5.2 Operational Costs</b>					
<b>No.</b>	<b>Description</b>	<b>Qty</b>	<b>Unit Price</b>		
1	Fuel costs	6			
2	Transport expenses	1			
3	Basic training of technicians*	1			
4	Basic training Cooperative management*	1			
<b>5.3 Human Resource Requirements</b>					
1	Contractor charges (35%)	1			
2	Administrative expenses (7½%)	1			
<b>Total</b>					<b>11,801,500</b>

**Total in Euros**

**2,163.82**

**Contributions**

Donor Organisation (Dimitri Knobbe – Colonies of Benevolence) €2000/K5200	€ 2,000	10,400,000
Makeni Ecumenical Centre and the Community	€ 1,150	6,321,125
Total		<b>16,727,125</b>

## **6. Conclusion**

The Project has achieved the following objectives:

1. The hammermill house completed and is secure enough.
2. The hammermill has been installed. It will start running once the floor has dried up. Settlers will also be walking short distances once operations start.
3. The 5 members of the village are able to handle minor mechanical problems and repairs.
4. Leaders have been identified and the cooperative will soon be working fully. The committee will be responsible for the daily operations of the project.

## **7. Appendices**

The Appendices has receipts and photos attached.

**MAKENI ECUMENICAL CENTRE**  
**AGRICULTURE SETTLEMENT PROJECT**

**HAMMERMILL PROJECT PICTURES**

**APRIL – MAY 2008**



Heaps of sand and bricks mobilized by the community at the start of the project



Construction of the Caretaker's house in progress.



The hammermill house being worked on



Hammermill being assemble and tasted at Makeni Ecumenical Centre



Work in progress at the project site.



Materials and Hammermill being delivered



Crowding looking at the HM will gladness



Crowd celebrating and singing



HM being installed



HM being installed after trials and demonstration.



The HM house viewed from an angle



HM viewed directly from the front



The complete view of a finished project pictured from behind.

With a lot of appreciation and thanks to Mr. Dimitri Knobbe and the Colonies of the Benevolence.

From Makeni Ecumenical Centre and the Settlers in Mwomboshi Settlement Village