



---

## Hjelp to Selfhelp in Africa

### **SCOPE OF WORK ACCORDING TO HELP TO SELF-HELP IN AFRICA'S (HSA) MAIN PROJECT AT KATULANI SECONDARY SCHOOL (KSS) I KITUI IN KENYA**

According to HSA`s cooperation with KSS we need to specify our support of economic and practical kind.

#### ***I VISION***

HSA will contribute to the construction of a pig house at KSS and then the pig manure can be used in a biogas digester for production of biogas for cooking in the kitchen.

By doing this we will assume that KSS will save money for buying firewood and charcoal for cooking, and make profit from pig farming. The profit shall be used for developing of the school.

#### ***II FINANCING***

The financing of the project will be through:

1. money from HSA
2. non-interest bearing loan from HSA
3. money from KSS
4. labour from the school

HSA will have no economic or material benefits from the project.

We use the term «contribution from the school». This is contribution from the pupils and the parents through construction work or other activities which gives income to the project. In Norwegian we name this form of contribution for «dugnad» and this is one way the Norwegian nation is founded. We assume that the same term among you in Swahili is named unpaid “Ushirika“. «Dugnad» does not give any person any economic or material benefit for themselves, but everyone contribute in what ever they are capable of, and all the contributors will benefit from the common labour.



---

## Hjelp to Selfhelp in Africa

### **III PIG HOUSE**

The first task is to build a pig house.

1. HSA will contribute in the design of the pig house in cooperation with KSS.
2. KSS will contribute to do the digging for the foundation, production of bricks, timber, sand, ballast and do the construction work.
3. HSA will pay for the cement and the roof sheets.
4. HSA will be at the site with a construction supervisor.
5. HSA will pay for 10 piglets.
6. HSA will pay for a course for two skilled and interested people in pig farming and maintenance of a biogas plant.

### **IV BIOGAS**

The second task is to construct the biogas plant. In this plant the pig manure is digested to methane gas which will be used in the kitchen for cooking. This is a more advanced construction work than building the pigstery.

1. HSA will contribute to the design of the biogas digester
2. KSS's must do the digging for the plant and produce the bricks for the digester.
3. HSA will pay for the cement, pipes and other necessary equipment.
4. HSA will pay for the project supervisor, the "fundi" and skilled bricklayers.

### **V PROGRESS**

To achieve the goal, we need a binding plan of progress. When the scope of work for the different tasks is calculated, KSS have to make a plan of progress. At first for the pig house, which HSA expect to be finished through 2009. The biogas plant HSA assume to be constructed in 2010

### **VI MILESTONES PIG HOUSE**

According to HSA's visits to the KSS we assume the following milestones:

- |                              |                                                                              |
|------------------------------|------------------------------------------------------------------------------|
| 10 <sup>th</sup> april 2009. | HSA will visit the KSS and examine their plans for the pig house             |
| 3 <sup>rd</sup> june 2009    | HSA will be at the school for following up the construction work             |
| 15 <sup>th</sup> juli 2009.  | HSA will visit the school to inspect the construction work of the pig house. |
| 23 <sup>rd</sup> april 2009. | HSA will visit the KSS public day with some products for sale                |