

**RAPID WASH AND ENERGY ASSESSMENT**

**REPORT OF THE SELECTED FCA FUNDED SCHOOLS**

**IN**

**KYAKA II REFUGEE SETTLEMENT-WESTERN UGANDA**



**BY**



**AAID**

*"In partnership we can build our World"*

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**1.0. Introduction:** This is a summary report of the rapid assessment of the WASH and Energy situation in learning institutions supported by FCA in Kyaka II refugee settlement-Western Uganda. The assessment mainly targeted FCA supported learning institutions located in the project area of Mukondo, Sweswe and Itambabiniga Zones and also purposefully selected two (2) other schools from Bukere and Kakoni zones because of their school feeding programs. The assessment is a build to the desire of AAID to integrate WASH capacity building program and Energy into Education. This desire was expressed by AAID to FCA through a series of meetings which culminated in the need for assessing WASH and Energy practices in FCA supported learning institutions in Kyaka II refugee settlement. Under the WASH project, the assessment focused on the water element only and under the Energy and GBV project, the assessment focused on the institutional improved cook stoves only.

#### 1.0.1 Summary of the schools visited:

| Name of school    | Zone         | H/Teacher/Principal    | Contact    |
|-------------------|--------------|------------------------|------------|
| Mukondo P.S       | Mukondo      | Mr. Sabiiti Charles    | -----      |
| Sweswe P.S        | Sweswe       | Mr. Mutyaba David      | 0782168259 |
| Itambabiniga P.S  | Itambabiniga | Mr. Byarugaba Amon     | 0777300967 |
| Sweswe VTC        | Sweswe       | Mr. Mukasa David       | 0754595427 |
| Bukere P.S        | Bukere       | Mr. Bahati Justus      | 0786306846 |
| Kakoni Wisdom P.S | Kakoni       | Ms. Ndiukire Mary Anna | -----      |

**1.1. Background:** African Agency for Integrated Development (AAID) is implementing a WASH, Energy and GBV project in Kyaka II Refugee Settlement funded by Islamic Development Bank (IsDB) and OPEC Fund respectively.

**1.1. WASH Project:** This is a Capacity Building for WASH sustainability project aimed at improving access to reliable clean water supply and sanitation in Kyaka II Refugee Settlement through community and institutional capacity building. This is a one (1) year project specifically being implemented in Mukondo, Sweswe and Itambabiniga Zones. The project is targeting existing WASH establishments in communities and WASH projects in learning institutions.

**1.3. Energy and GBV Intervention Project:** This project is supporting communities and learning institutions in Kyaka II refugee settlement explore alternative energy sources as a means of promoting environment protection and mitigating effects of climate change and GBV. The project is aimed at improving safety and opportunities for communities in Kyaka II Refugee Settlement to access alternative energy in emergencies **by creating training and technical resources on energy access, gender, and GBV risk reduction**. The project is targeting community energy initiatives and energy initiatives in learning institutions.

**2.0. Summary of findings:** Findings are categorized under two (2) project areas i.e. WASH project area and Energy project area.

**2.1. WASH Project area:** Under this project area, focus was put on the source of water vs school enrolment, presence of WASH club and status of water facilities in schools. Below is a summary of the key findings.

| Name of school | Enrolment | Source of water           | Key Observations          | Presence of WASH Club                        | Remarks                                     |
|----------------|-----------|---------------------------|---------------------------|----------------------------------------------|---------------------------------------------|
| Mukondo P.S    | 2916      | Piped water and rainwater | -Clean piped water pumped | -Sanitation club in place but needs training | -Training health/sanitation in school water |

|                  |      |                           |                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                      |                                                                                                                                                       |
|------------------|------|---------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|
|                  |      |                           | <p>by Oxfam once a day.</p> <p>-Poor drainage at water point</p> <p>-5 rain water harvesting empty tanks. No rain for the last 2 months</p> <p>-Broken taps some children using their teeth to open the water facility</p> <p>-Water tanks and gutters not washed regularly</p> <p>-Majority of the taps on hand washing facilities are broken.</p> | <p>to strengthen the water management component in it</p> <p>-Oxfam offered sanitation and hygiene training in schools but more training is needed</p>                                               | <p>facility management recommended</p> <p>-Minor repairs such as fixing broken taps to be under taken</p>                                             |
| Swswe P.S        |      | Piped water and rainwater | <p>-Clean piped water pumped by Oxfam once a day.</p> <p>-Poor drainage at water point</p> <p>-6 rain water harvesting empty tanks.</p> <p>-No rain for the last 2 months</p> <p>-Several broken taps</p> <p>-Water tanks and gutters not washed regularly</p> <p>-Majority of the taps on hand washing facilities are broken.</p>                  | <p>-Sanitation club in place but needs training to strengthen the water management component in it</p> <p>--Oxfam offered sanitation and hygiene training in schools but more training is needed</p> | <p>-Training health/sanitation in school water facility management recommended</p> <p>-Minor repairs such as fixing broken taps to be under taken</p> |
| Itambabiniga P.S | 2689 | Piped water and rainwater | <p>-Clean piped water pumped by Oxfam once a day.</p> <p>-5 rain water harvesting</p>                                                                                                                                                                                                                                                               | <p>-No active hygiene and sanitation club. Need for establishment and training of</p>                                                                                                                | <p>-Training health/sanitation in school water facility management recommended</p>                                                                    |

|            |      |                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                          |                                                                                                                                                                      |
|------------|------|---------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|            |      |                           | <p>empty tanks. No rain for the last 2 months</p> <ul style="list-style-type: none"> <li>-Broken taps some children using their teeth to open the water facility</li> <li>-1 tap stand on a water harvesting tank uprooted/ stolen.</li> <li>-Water tanks not washed regularly</li> <li>-Majority of the taps on hand washing facilities are broken.</li> <li>-School not fenced putting a high risk on water infrastructure in the school</li> </ul> | <p>WASH club to strengthen the water management component in it</p> <ul style="list-style-type: none"> <li>-Oxfam offered sanitation and hygiene training in schools but more training is needed</li> </ul>                                              | <ul style="list-style-type: none"> <li>-Minor repairs such as fixing broken taps to be under taken</li> </ul>                                                        |
| Sweswe VTC | 334  | Piped water and rainwater | <ul style="list-style-type: none"> <li>-Clean piped water pumped by Oxfam once a day.</li> <li>-Poor drainage at one of the water points</li> <li>-5 rain water harvesting tanks.</li> <li>-No rain for the last 2 months</li> <li>-Water tanks not washed regularly</li> </ul>                                                                                                                                                                       | <ul style="list-style-type: none"> <li>-Health and sanitation club in place. Need training to strengthen the water management component in it</li> <li>--Oxfam offered sanitation and hygiene training in schools but more training is needed</li> </ul> | <ul style="list-style-type: none"> <li>-Training health/sanitation in school water facility management recommended</li> </ul>                                        |
| Bukere P.S | 4047 | Piped water               | <ul style="list-style-type: none"> <li>-Clean piped water pumped by Oxfam once a day.</li> <li>-Poor drainage at water point</li> <li>-7 rain water harvesting empty tanks.</li> </ul>                                                                                                                                                                                                                                                                | <ul style="list-style-type: none"> <li>-Health and sanitation club in place but not very active because teachers are very busy.</li> <li>-There is need of training to</li> </ul>                                                                        | <ul style="list-style-type: none"> <li>-Training health/sanitation in school water facility management recommended</li> <li>-Minor repairs such as fixing</li> </ul> |

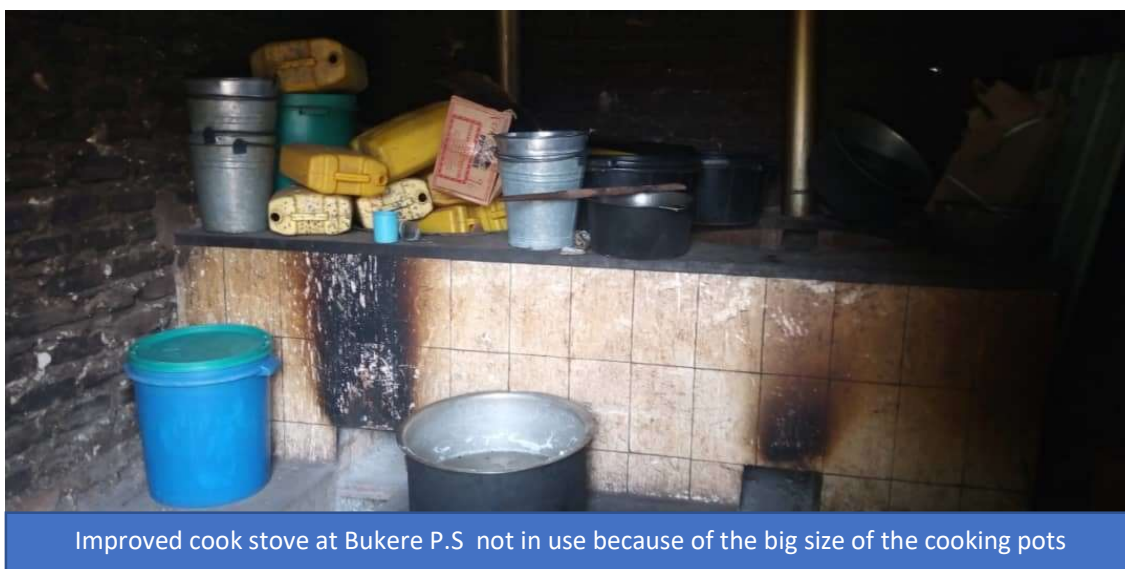
|                   |  |                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                              |                                                                                                                                                                                                    |
|-------------------|--|---------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                   |  |                           | <ul style="list-style-type: none"> <li>-No rain for the last 2 months</li> <li>-Several broken taps</li> <li>-One rain harvesting tank filled with water but tap broken</li> <li>-Water tanks not washed regularly</li> <li>-Majority of the taps on hand washing facilities are broken.</li> </ul>                                                                                                                                                                       | <ul style="list-style-type: none"> <li>strengthen the water management component in it</li> <li>-Oxfam offered sanitation and hygiene training in school but more training is needed</li> </ul>                                              | broken taps to be under taken                                                                                                                                                                      |
| Kakoni Wisdom P.S |  | Piped water and rainwater | <ul style="list-style-type: none"> <li>-Clean piped water pumped by Oxfam once a day.</li> <li>-4 rain water harvesting empty tanks.</li> <li>-No rain for the last 2 months</li> <li>-One gutter taking water to a harvesting tank broken</li> <li>-Several broken taps.</li> <li>-One tap with fixed nail to open the water tap</li> <li>-Water tanks and gutters not washed regularly</li> <li>-Majority of the taps on hand washing facilities are broken.</li> </ul> | <ul style="list-style-type: none"> <li>-CHAST Club in the school. Needs training to strengthen the water management component in it</li> <li>-Oxfam offered sanitation and hygiene training in school but more training is needed</li> </ul> | <ul style="list-style-type: none"> <li>-Training health/sanitation in school water facility management recommended</li> <li>-Minor repairs such as fixing broken taps to be under taken</li> </ul> |



**2.2. Energy project intervention:** Under this project intervention, focus was put on school enrollment, availability of school feeding program and availability & status of ICS in the schools. Below is a summary of the key findings.

| Name of school    | Enrolment | No. on feeding program                                                  | Status of ICS                                                                                                        | Remarks                                                                             |
|-------------------|-----------|-------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| Mukondo P.S       | 2916      | No formal feeding program but cooking for 21 pupils and teachers        | Improvised lorena stove. Used for preparing meals for staff and a few children in P.7                                | -No energy intervention by AAID                                                     |
| Swswe P.S         |           | No formal feeding program but cooking for around 50 pupils and teachers | Improvised lorena stove. Used for preparing meals for staff and a few children in P.7                                | -No energy intervention by AAID                                                     |
| Itambabiniga P.S  | 2689      | No feeding program for pupils. School prepares food for teachers        | Three cooking stones fire stove used to prepare food for teachers                                                    | -No energy intervention by AAID                                                     |
| Sweswe VTC        | 334       | 334                                                                     | Rehabilitated ICS using solar and volcanic stove. ICS is in very good condition.                                     | -No energy intervention by AAID                                                     |
| Bukere P.S        | 4047      | 500                                                                     | Two ICS constructed by KRC but not in use because of variation in the size of the ICS and the cooking pots           | -Resize the ICS to the size of the cooking pots in the school                       |
| Kakoni Wisdom P.S | --        | 50 mainly from P6 and P7                                                | There is an ICS constructed by Nsamizi. The ICS is relatively high making it difficult for cooks to use it. There is | -Clean the chimney<br>-Resize the ICS to the size of the cooking pots in the school |

|  |  |  |                                                                                                                                                                       |                                                                 |
|--|--|--|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------|
|  |  |  | also variation between the size of the stoves and the cooking pots. Cooking pots not fitting in well hence leaving a lot of space that makes it emit a lot of carbon. | -Build steps to enable cooks reach the cooking pots comfortably |
|--|--|--|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------|



### 3.0. Key conclusions:

#### WASH project intervention:

- All schools visited are connected to piped water which is piped once a day by Oxfam. But the piped water is not evenly distributed. In all the schools visited, there is one water distribution point of piped water.
- There is great investment in water infrastructure in all schools visited but this infrastructure is under utilized because of overreliance on rain water.
- There is good practice of hand washing in all the schools visited but most of the hand washing facilities have broken taps.
- There are health and sanitation school clubs in all schools but majority are not operational
- There is a general lack of a rehabilitation framework of water facilities in schools
- There is a general lack of a monitoring framework of water facilities in schools
- There is a general lack of a quick response plan for defaults on water facilities. Delayed response on the defects on water facilities leads to extended defects hence making it more expensive to repair and or replace.
- There is lack of a dedicated budget for repair and maintenance of water facilities in all schools visited.

- **Energy project intervention:**
- Feeding program in all the schools visited is still at infancy apart from Bukere VTC which has an institutionalized feeding program. The other schools have no or partial feeding program. Schools with partial feeding program offer food to staff , P7 and P6 classes only.
- There is minimal knowledge among the users of ICS about the relationship between ICS and carbon emissions. Majority use ICS as a new cooking technology but not as means of reducing carbon emission.
- One of the ICS visited was being used like any other cook stove with no consciousness on monitoring the amount of carbon emitted.

#### **4.0. AAID proposed interventions**

##### **WASH project intervention:**

- Train teachers and pupil leadership in proper management and maintenance of water facilities in schools
- Minor repair of water facilities e.g. fixing broken taps and gutters on water facilities.
- Train handpump mechanics in the community and link them to schools to offer quick response to any water defects.

##### **Energy project intervention:**

- Re-size the ICS at Bukere Primary school and clean its chimney
- Re-size the ICS at Kakoni Primary school and clean its chimney
- Build raised steps on the ICS at Kakoni wisdom Primary School
- Train cooks and the school administration on how to monitor carbon emission of ICS in their schools