

BRIEF ON THE CLIMATE RESILIENT INSTITUTIONAL AND PUBLIC SANITATION

PROJECT

1.0 Project Background

The Ministry of Water and Environment received additional funding from the African Development Bank to implement climate resilient water and sanitation interventions. The expected outcomes from the additional funding include: improved access to safe and clean water for domestic consumption in drought prone areas, increased access to climate resilient sanitation in flood prone peri urban areas, improved awareness of technologies, measures and practices to increase resilience to climate change in flood and drought prone areas.

2.0 Scope

The sanitation component encompassed feasibility study and detailed design of the facilities, construction of gender segregated climate resilient institutional and public sanitation facilities, establishment and training of school health clubs and WASH structures, development of Information Education and Communication materials, training of Masons and supporting districts to integrate climate resilience in their district development plans. The project districts included; Kumi, Pallisa, Soroti, Butaleja, Budaka, and Bukedea. The sanitation component was costed at 2.2 million USD.

120 facilities were constructed in 60 schools and 12 in public places making a total number of 132 sanitation facilities in the six project districts.

The project hired consultants to support the project in different aspects namely; Mr. Igala Justine (individual consultant), Health Counterpart International-HCI and WAM Inc. Consulting Engineers.

Mr. Igala Justine- Design of IEC materials

Health Counter Part International (HCI)- Establishment and training of management structures for the sanitation facilities constructed including land acquisition.

WAM Inc. Consulting Engineers- Conducted the feasibility study and detailed design of the project works and also did construction supervision.

The construction contract was divided into two Lots and Greystone Ltd was contracted for Lot 2 (Budaka, Pallisa and Butaleja) at a contract sum of **UGX 3,391,589,322** for a period of nine months. The commencement date was **26th April 2017** and the end date **26th January 2018**.

3.0 TECHNOLOGIES CONSTRUCTED

a) Enviro Loo

Enviro Loo is a waterless toilet system that provides a safe, non-polluting, climate resilient solution. It utilizes the sun and wind to transform human waste into a safe, neutral, pathogen free material, without the use of water, chemicals or electricity through evaporation and dehydration.

b) The Lined VIP Latrine

This technology comprises of underground storage which allows infiltration to the surrounding soils and a super-structure. They are highly resilient because of the increasing potential for the attenuation or death of pathogens. In environments where flooding may be

an increasing risk, pit latrines may be more vulnerable. Unlike ordinary pit latrines, lined VIPs can be emptied.

c) The Cesspit

This facility comprises a water tight storage chamber and a superstructure. This technology offers little treatment of effluent. This option has only been reserved for the most severe cases of flooding.

Project Outputs-Lot 2

The project has been substantially completed and will be technically commissioned today, 17th August 2018. The following have been achieved under this project namely:

- i. Construction of a total of 66 sanitation facilities. (8-Enviroloos, 10 Cesspits, and 48-VIPs Latrines)
- ii. All the facilities at schools have changing rooms and incinerators at the girls' toilets to enhance menstrual hygiene management, stances for persons with disabilities-PWDs, handwashing facilities, and gates to enhance security.
- iii. 3000 seedlings of fruit trees were distributed to all the project districts to enhance environmental conservation.
- iv. 30 Masons were trained on construction of the technologies being implemented under the project for purposes of knowledge and skills transfer for sustainability.
- v. 2 Counterpart staff were trained from each of the benefiting districts to support project activities.

Location of Works under Lot.2

The works to be done are located as shown in the table below;

| PALLISA DISTRICT | | |
|-------------------------|------------------------|---|
| Sub-county | Location | Technology |
| Gogonyo | Opeta P school. | 1 Boys Enviroloo, 1 girls Enviroloo |
| Gogonyo, | Obutet P school. | 1 Boys VIP , 1 girls VIP Latrine |
| Apopong | St. John Kadumire P.S | 1 Boys VIP , 1 girls VIP Latrine |
| Apopong | Adal P. sch. | 1 Boys VIP , 1 girls VIP Latrine |
| Chelekura | Akwamor P S | 1 Boys VIP , 1 girls VIP Latrine |
| Agule | Nyaguo P S | 1 Boys VIP , 1 girls VIP Latrine |
| Agule, | Okunguro P S | 1 Boys VIP , 1 girls VIP Latrine |
| Butebo, | Kanyum P S | 1 Boys VIP , 1 girls VIP Latrine |
| Kasodo, | Nakibakiro P S | 1 Boys VIP , 1 girls VIP Latrine |
| Olok | Olok P S | 1 Boys VIP , 1 girls VIP Latrine |
| Gogonyo | Obutet Trading Centre. | 1 Public VIP |
| Agule | Obwanai P S | 1 Boys VIP latrine, 1 Girls VIP latrine |
| BUDAKA DISTRICT | | |
| Sub-county | Location | Technology |
| Ikiiki, , | Bugolye P S | 1 Boys VIP , 1 girls VIP Latrine |
| Kachomo | St Karoli Kodir | 1 Boys VIP , 1 girls VIP Latrine |
| Kaderuna | Kiryolo P/ S | 1 Boys Cesspit, 1 Girls Cesspit |
| Budaka T. C | Budaka P/ S | 1 Boys Enviroloo, 1 girls Enviroloo |
| Nansanga, | Idudi P/ S | 1 Boys VIP , 1 girls VIP Latrine |

| | | |
|--------------------------|-------------------------|-------------------------------------|
| Lyama, | Suni P/ S | 1 Boys VIP , 1 girls VIP Latrine |
| Kademere, | Lingole P/ S | 1 Boys VIP, 1 girls Enviroloo |
| Budaka S/C, | Kyali P /S | 1 Boys VIP , 1 girls VIP Latrine |
| Kakoli | Nyanza P// S | 1 Boys VIP , 1 girls VIP Latrine |
| Kakoli | Kakoli P/S | 1 Boys VIP , 1 girls VIP Latrine |
| Mugiti | Mailo Tano T/C | 1 Public VIP |
| Kachomo | Bulweet Bulaleka Centre | 1 Public Enviroloo |
| BUTALEJA DISTRICT | | |
| Sub County | Location | Technology |
| Butaleja T C | Butaleja SS | 1 Boys VIP , 1 girls VIP Latrine |
| Himutu | Namulo P S | 1 Boys Cesspit, 1 Girls Cesspit |
| Mazimasa | Nampologoma P S | 1 Boys VIP , 1 girls VIP Latrine |
| Mazimasa | Mazimasa P S | 1 Boys VIP , 1 girls VIP Latrine |
| Himutu | Bugombe P S | 1 Boys Enviroloo, 1 girls Enviroloo |
| Himutu | Namutima P S | 1 Boys VIP , 1 girls VIP Latrine |
| Mazimasa | Lubembe P S | 1 Boys Cesspit, 1 Girls Cesspit |
| Mazimasa | Namahere P S | 1 Boys Cesspit, 1 Girls Cesspit |
| Kachonga | Muhula P S | 1 Boys VIP , 1 girls VIP Latrine |
| Mazimasa | Doho P S | 1 Boys Cesspit, 1 Girls Cesspit |
| Mazimasa | Doho Rice scheme | 2 No. Public VIP Latrine |

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