

**Wel Bodi Project in Tintafor, Lungi  
Sierra-Bangla Islamic Friendship School  
Tintafor Lungi, Sierra Leone**

**GPS  
North 008 37.588'  
West 013 12.779'**

**WaSH SLTS Project**



This school has 450 students; it operates as a primary school during the morning hours. A Junior and Senior Secondary school in the afternoon, without water and proper toilets



**The toilets for 450 students.  
This School is in need of intervention**

## **Assemblies of God Christian Pre and Primary School Tintafor Lungi, Sierra Leone**

**GPS  
North 08 37.620  
West 013 12.807**

These two schools are neighbors, right next to each other. One well will serve two schools (that's right, one Islamic and one Christian school working together to develop the future generations of Sierra Leone).



**As part of this project Mariatu's Hope will drill 4 new bore holes complete with hand pumps throughout the school catchment communities:**

The well sightings will be done through our normal community engagement activities.

This area currently has four constructed hand dug wells in which three have already been rehabilitated and they are in working order. These communities have several other open wells that are not sealed and open to contamination. The catchment communities from which these students come from is large and in need of more safe water access points.

New water well boreholes will be drilled utilizing the DR100 drill rig. The established WaSH committees will work with Local City Counsel and select community members to be trained in pump installation, maintenance and repair. This comprehensive training, using both experience and approved training materials will take place in the classroom, as well as in the field. These trainees will be the ones to drill

and install the new pumps on the boreholes. The WaSH committees will be provided with basic tools and maintenance supplies. All new and rehabilitated wells will be shocked chlorinated upon completion. Mariatu's Hope will work with the Ministry of Health and Sanitation to insure it meets Government standards for water quality.

The students at the Friendship School currently use just simple open toilet facilities enclosed by rice bags. They remain open and thus easily spread disease.

Mariatu's Hope activity plan is to initiate a full WaSH SLTS program and build simple but effective composting toilets with hand washing facilities. The hygiene training team consisting of Child Health Club members will train the teachers on proper toilet use. They will teach proper health and hygiene practices; develop a Child Health Club of their own at the schools. These Clubs will be used to train the students and the community members where the new wells are drilled. The Child Health Clubs are used throughout the year in workshop trainings and community engagement activities. They are also used to promote community awareness through activities such as World Water, World Hand Washing and World Toilet Day celebrations. This has proven to be a great approach and involves many people and is fun and encouraging for the clubs and communities.

This SLTS school project when completed will join 18 other schools in the Kaffu Bullom Chiefdom where Mariatu's Hope is actively engaged with SLTS. The hardware side of these projects (safe water and toilets) has been completed. Mariatu's Hope is still engaged with the software side (Health, hygiene training, workshops and child health club activities).

**The toilet construction activities:**

Mariatu's Hope team will oversee and supervise community construction of four pair of composting toilets, two pair for boys, and two pair for girls (two separate structures) the students use one pair per school year while the other pair remained locked. The 2<sup>nd</sup> school year they alternate and use the 2<sup>nd</sup> pair and lock down the 1<sup>st</sup> while the composting takes place for one full school year.

At the end of one school year, the first pit will be opened up and emptied and prepped for the next school year. The school and community will continue to alternate this activity each year.

The Hand Washing facility will be constructed between the two pair. It will consist of a toolbar with hooks in which the students can hang the school tippy taps with soap.

The composting material will consist of a mixture ½ dirt ½ saw dust. Mariatu's hope will supply two large blue drums with covers in which the school can store the material. Each toilet unit will be equipped with 1 rubber bucket and cup. The students will be instructed to dump 1 cup of this mixture material after they toilet.

The urine and hand washing drains will be diverted to soaker pits and two fruit trees will be planted upon them.

Mariatu's Hope founders have invested much effort developing this SLTS approach. Much has been learned over the years building sustainable toilet structures. Some past projects incorporated elevated water tanks with inside plumbing for the hand washing sinks and urinals. The water was supplied by a lift pump kit on the hand pump to fill the overhead tanks. This system works great but is proving to be

hard for some schools to maintain. This requires higher maintenance of the hand pump lift kit and oversight to keep water in the overhead tank. With the constant use (which has been great) of the hand washing facilities the water taps and valves have become a sustainability concern.

In order to improve sustainability and reduce the overall project cost. Mariatu's Hope will eliminate the hand pump lift kit and overhead tank with its plumbing. The tippy tap method for hand washing will be used, which will prove to be much easier for the students and schools to maintain. This also, is the hand washing method we encourage communities to use.

Mariatu's Hope will construct these toilets using plastic pre-fabricated toilet units. These were used in the field during the recent cholera outbreak. They were constructed at cholera treatment units and they have proven durable. They will sit upon cement block chambers, fully lined with drains for excess fluids. There will be cement hatch covers to securely enclose the pits and that can be easily removed when maintenance is required. The toilet slabs will be tiled for durability and ease of cleaning. The toilet seats will have attached covers that are easy to use. The whole system will be constructed of quality materials to ensure a long useful life and sustainability.

As with all Mariatu's Hope projects, community labor will be used where ever possible to ensure community pride and ownership.

**Sustainability:**

Our main sustainability strategy for the proposed WaSH interventions will be done through community engagement. Proper community WaSH committees will be set up. While working with the WaSH committee, community members will be trained and used to complete the work. This includes drilling of the boreholes and constructing the well aprons and pads. Mariatu's Hope will train community members in pump repair and maintenance. Mariatu's Hope will use these trainees to install the pumps. They will also be equipped with basic tools and consumable parts. The Child Health Club members will train these communities and community health clubs on proper health and hygiene practices. By training and using these communities to this extent to complete the work will insure strong community buy in and ownership. They will be proud of their accomplishments and thus they will take proper care and oversight to insure proper use and maintenance of the project.



**Proposed Budget  
Wel Bodi Project in Tintafor, Lungi**

Class Codes	Number	Amount	Description
Program Office & Admin.		3,414.14	Staffing and office materials needed to implement project
Well Rehabilitations			Cost associated with well rehabilitations
New Bore Holes	5	19,420.56	Cost associated with drilled bore holes complete with hand pumps
Sanitation		9,933.64	Cost associated with building composting toilets
PHU Rehabilitation			Cost associated with Public Health Unit rehabilitations
Agriculture			Cost associated with school and community agriculture projects
Community Engagement		1,281.54	Cost associated with setting up community WaSH for community involvement and sustainability
Health and Hygiene		1,825.35	Cost for training WaSH committee health clubs for better health, hygiene and sanitation practices
Monitoring and Evaluation		523.95	Cost for monitoring and reporting of all activities
<b>Total</b>		<b>\$36,399.18</b>	<b>Total cost to implement Mariatu's Hope 2014 Wel Bodi Project in Tintafor, Lungi</b>

**Important note:** 100% of the funds contributed to this proposal will be used for implementation. The founders (Country and Operations directors) are volunteers, any benefits; travel and development work on their part will be funded outside of this proposal. General accounting practices will be used to track the costs and made transparent to support the above.