

Latrine Design

The latrines will be alternating pit latrines, and will consist of two round holes dug 1 meter in diameter to a depth of 2 - 3 meters, depending on the water table. The holes will be 1.5 meters apart. Cement bricks will be placed around the top of the holes, to support concrete sanplats (sanitation platforms). The sanplats will be round, 1.5 meters in diameter, and slightly domed, a design which is less costly but equally durable in comparison to other types of latrine platforms. Two holes will be dug so that one can be left closed and unused until the first is full. Then the first will be closed, left for an appropriate amount of time, then dug out and re-used, while the second is being used. The process can be repeated indefinitely. The defecation/urination holes in the sanplats will be round, and pots used locally for bodily cleansing will be used to cover the holes.

A rectangular building will be constructed around the two latrine pits, 2.5 meters in width, 5 meters in length, and 2.25 meters in height. The dimensions of the building will allow easy removal of the sanplats and the contents. The building will have one door, several small, open windows, a concrete floor, and a roof of local wood and vines. The walls will be mud brick with cement mortar and outside shell and will be painted. The door will have a lock to prevent misuse of the latrines when school is not in session. Since the roof will not be water tight, the floor will be slightly slanted, and there will be drain holes in the walls so that rain water will easily flow to the outside of the building, to be absorbed into the earth.

Hand-Washing Station Design

The hand-washing station will have a cement barrel in which water will be stored for easy access by users. There will be dipper, a cover for the barrel to keep out debris and insects, and a small pot with a spout (locally used for hand-washing). There will also be a 1 meter square soak-away pit to manage waste water. Soap will be provided with funds from the school's garden cooperative.

Proposed Budget for One Set of Latrines

Item	Unit	Quantity	Unit Price (CFA)	Total CFA
Cement	50 kg sack	10	3.000	30.000
Sand	Bin	.5	15.000	7.500
Door and accessories		1	9.500	9.500
Paint	Gallon can	1	5.000	5.000
Paint cleaner	Liter	1	500	500
Transport of cement		10	300	3.000
Latrine hole cover		1	500	500
Water barrel cover		1	1.000	1.000
Labor for water barrel	Day	1	4.000	4.000
Total				61.000

Dear Association Members:

I am writing to provide a final report on the school latrine projects you have funded in my village, Wedala, and the neighboring village, Ninakiri. In the past few months, much work has been done and the projects are in large part complete in both villages. The following remains to be done: the construction of the cement water barrels for the hand-washing stations; the outside mortar of the buildings; and the placement of the doors at the Wedala building. We decided to re-direct the money tagged for the paint to the addition of a second door to each building, so the buildings will remain unpainted. We ran out of cement at both sites for reasons beyond my control, and the village leaders have promised to buy the necessary cement and finish the projects. The remaining funds I have left with the school directors (5.000 CFA with the Ninakiri director, for the labor in constructing the barrel; and 15.000 CFA with the Wedala director for the same purpose and for payment of the second door). I am confident that they will use the money for the purposes intended and that the projects will indeed be completed.