



MINISTRY OF HEALTH



water for people
everyone | forever

SANITATION ALBUM FOR IMPROVED LATRINE TECHNOLOGIES

DURABLE

SEALABLE

CLEAN

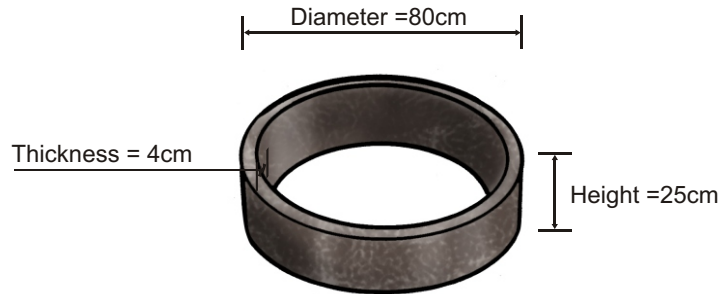
Background

With support from Water Supply and Sanitation Collaborative Council and Ministry of Health, Water For People is promoting adoption of improved latrine technologies for rural and peri-urban communities.

This album provides a list of appropriate technologies that have been tested and found to promote hygienic containment of human waste.

Sub structures

CONCRETE RING LINERS



Partial lining



Full lining

Tools:

- Hoes
- Pick axe
- Shovel
- Measuring tape

Materials:

- Concrete ring liners

Applicability:

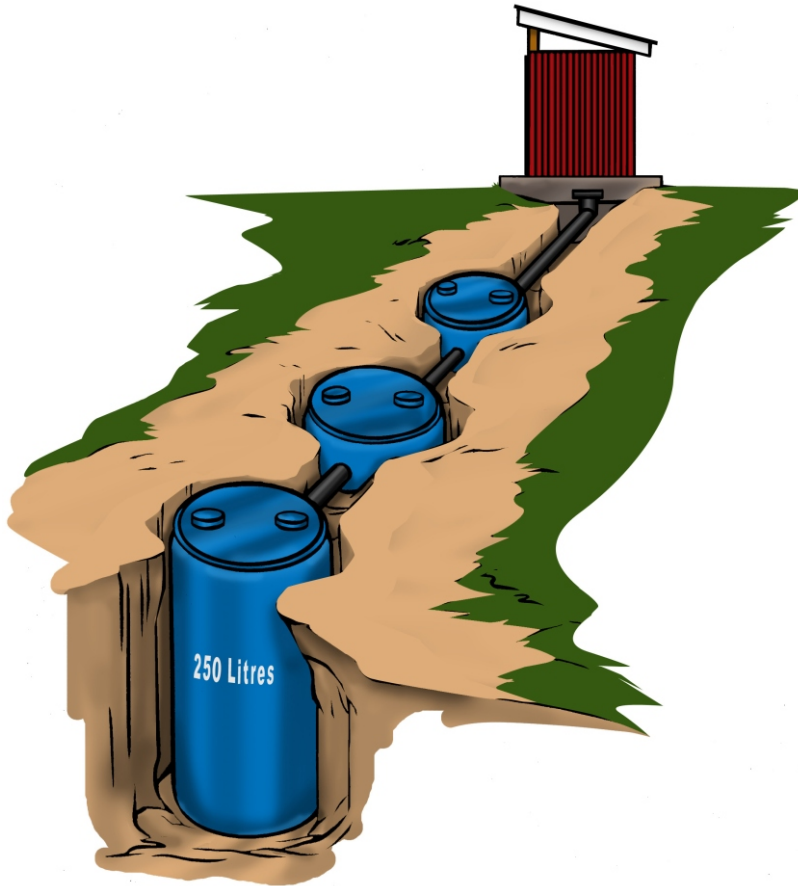
- Collapsible soils.

Benefits:

- Stabilises pit walls.

Sub structures

PLASTIC BARRELS



Tools:

- Hoes
- Pick axe
- Shovel
- Measuring tape

Materials:

- PVC pipes
- Plastic barrels

Applicability:

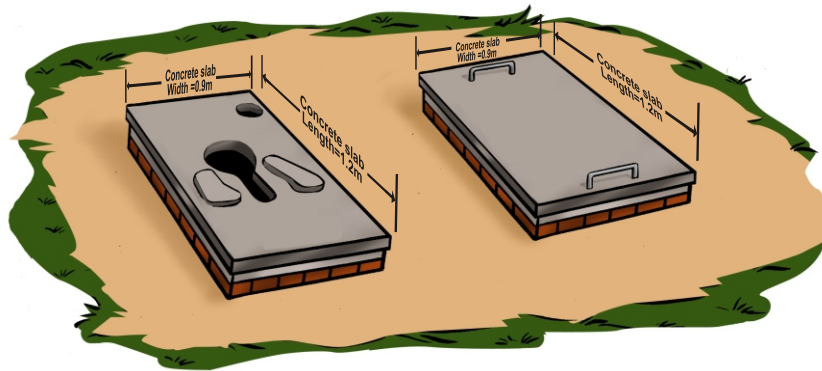
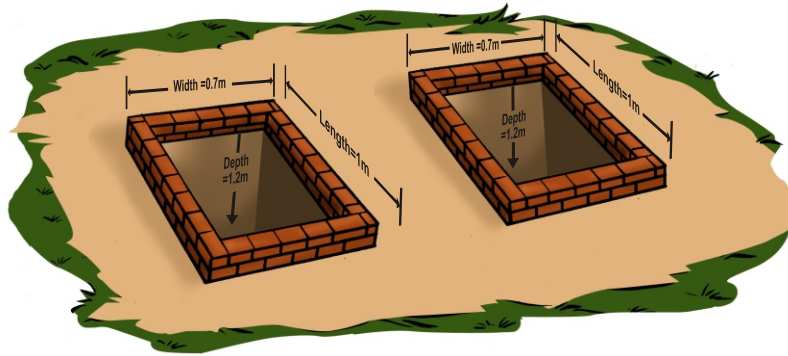
- High water table areas.
- Collapsible soils.

Benefits:

- Follows a self treating system.

Sub structures

TWIN LATRINE (Fossa Alterna)



Tools:

- Hoes
- Pick axe
- Shovel
- Level
- Measuring tape

Materials:

- Sand
- Cement
- Water
- Baked bricks
- Concrete slabs

Applicability:

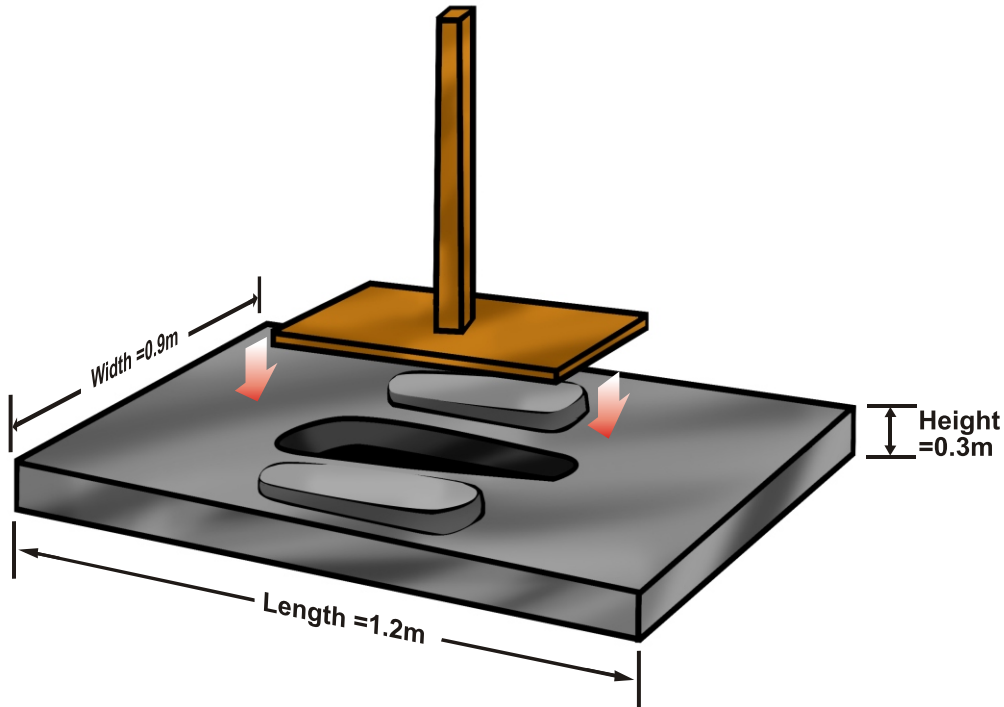
- Areas with limited space.
- Farming communities that practice manure re-use.

Benefits:

- Re-use of manure as soil conditioner.
- Maximum utilisation of limited space.

Sanitation products

SLAB WITH COVER



Tools:

- Nails
- Hammer
- Level
- Measuring tape

Materials:

- Wooden planks
- Concrete slab

Applicability:

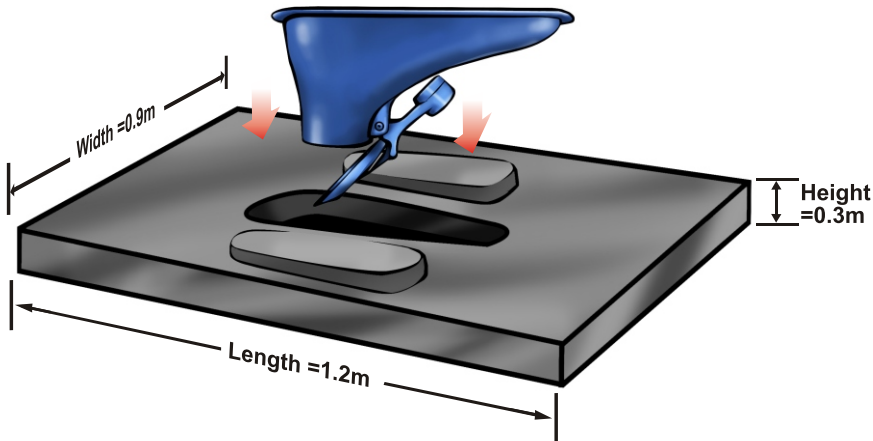
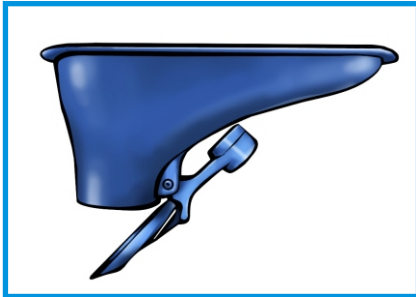
- For open pit latrines.

Benefits:

- Affordable.
- Keeps flies away.

Sanitation products

SLAB WITH SATO PAN



Tools:

- Hand shovel
- Level
- Measuring tape

Materials:

- Sato Pan
- Concrete slab
- Cement
- Sand
- Water

Applicability:

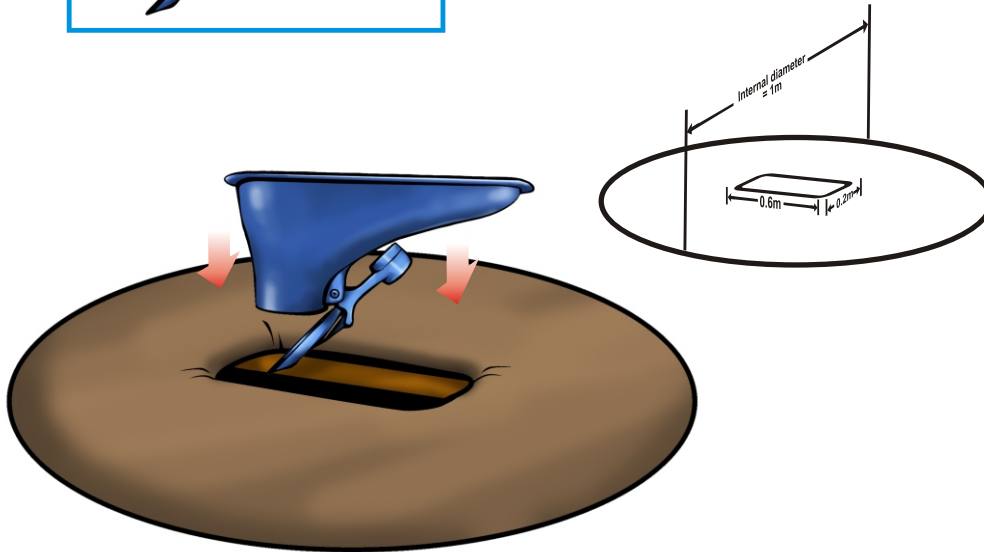
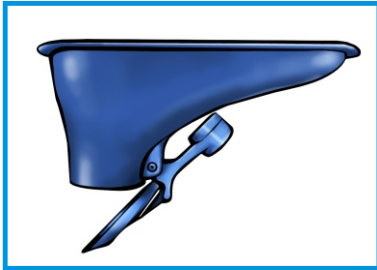
- For open pit latrines.

Benefits:

- Prevents bad smell.
- Prevents movement of flies from pits to households.
- Prevents dumping of solid waste into pit.
- Affordable.

Sanitation products

SATO PAN ON MUD FLOOR



Tools:

- Hand shovel
- Level
- Measuring tape

Materials:

- Cement
- Sand
- Water

Applicability:

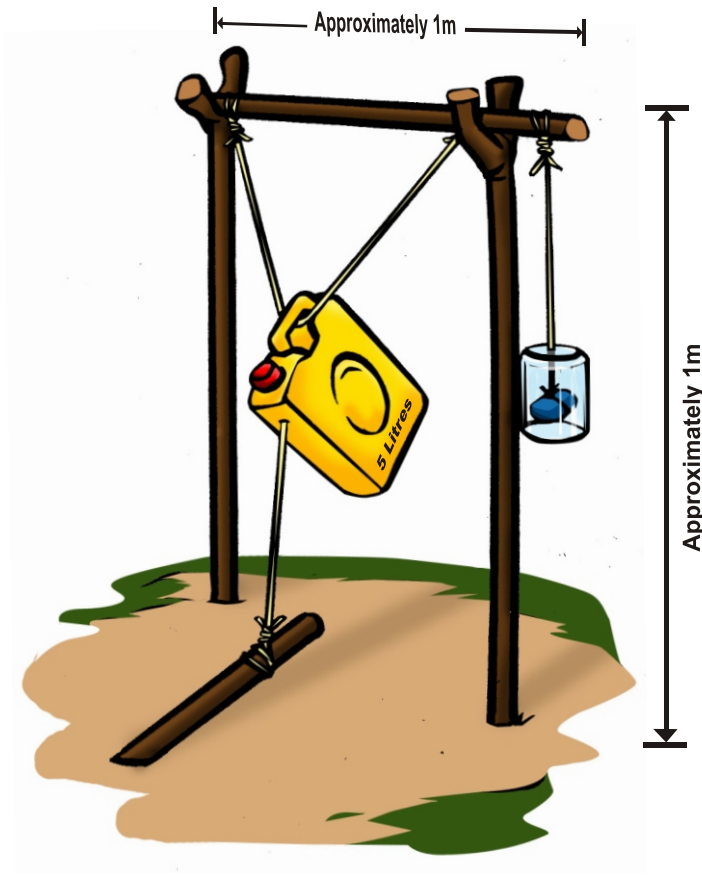
- For open pit latrines.

Benefits:

- Prevents bad smell.
- Prevents movement of flies from pits to households.
- Prevents dumping of solid waste into pit.
- Affordable.

Sanitation products

TIPPY TAP



Tools:

- Hoe
- Knife
- Panga
- Measuring tape

Materials:

- Strong sticks (Y-shaped)
- Ropes/strings
- Jerry can (with lid)
- Plastic bottle
- Soap
- Clean water

Applicability:

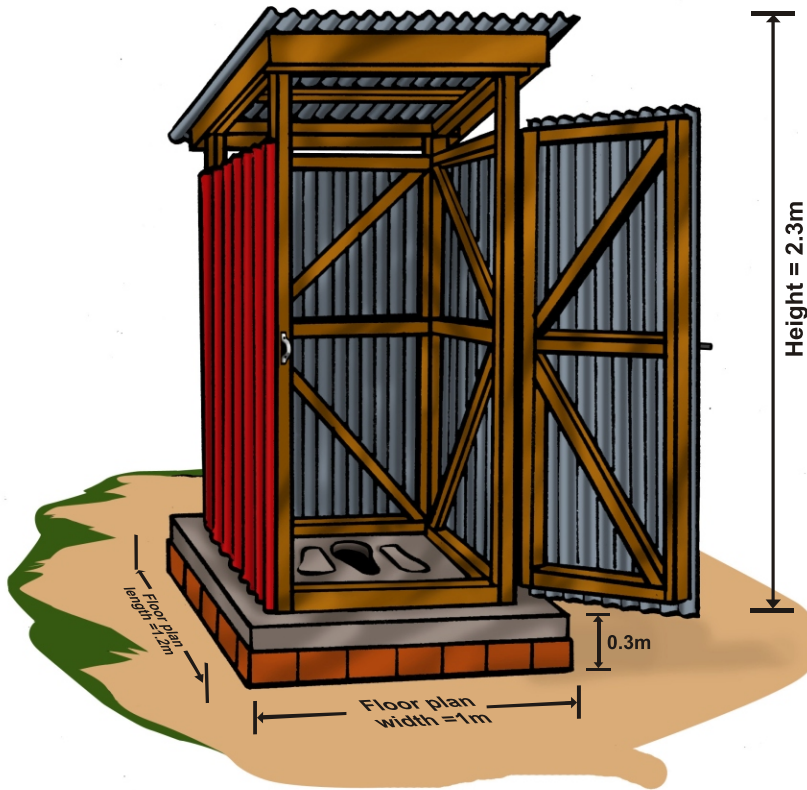
- All rural and peri-urban communities.

Benefits:

- Promotes hygienic behaviour through hand washing and keeps germs away.

Super structures

TIN LATRINE



Tools:

- Nails
- Hammer
- Chain saw
- Level
- Measuring tape

Materials:

- Iron sheets
- Hinge joints
- Door latch
- Baked bricks
- Wooden planks
- Concrete slab

Applicability:

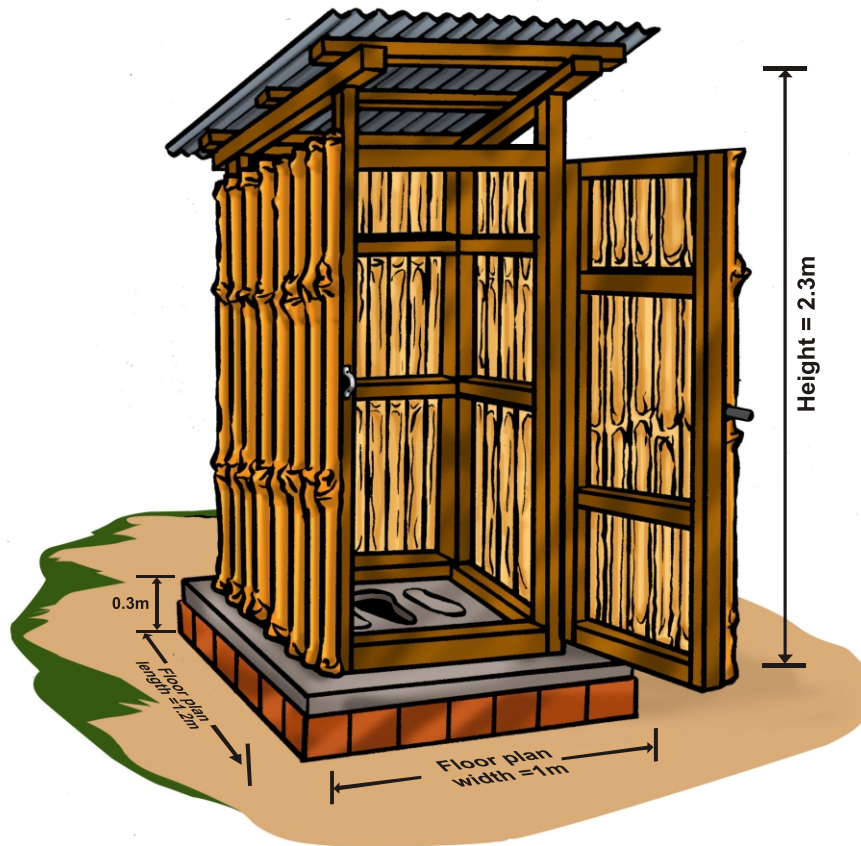
- All rural and peri-urban settings.

Benefits:

- Movable/portable.
- Durable.

Super structures

TREATED BAMBOO LATRINE



Tools:

- Nails
- Hammer
- Chain saw/Panga
- Level
- Measuring tape

Materials:

- Iron sheets
- Hinge joints
- Door latch
- Baked bricks
- Bamboo trunks
- Wood treating agent
- Concrete slab

Applicability:

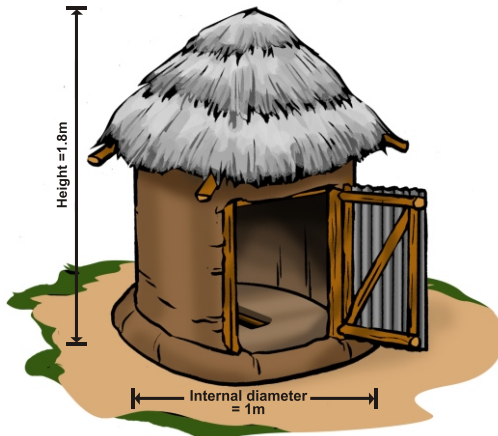
- All rural and peri-urban settings.

Benefits:

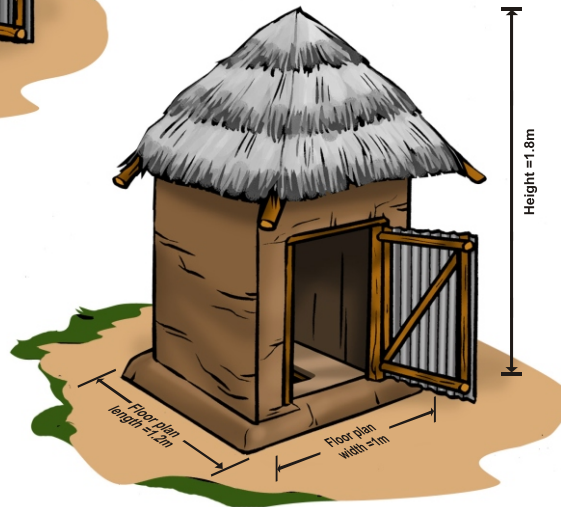
- Movable/portable.

Super structures

MUD AND WATTLE LATRINE



Circular base



Square base

Tools:

- Nails
- Hammer
- Panga
- Sickle
- Measuring tape

Materials:

- Dry thatch grass
- Hinge joints
- Door latch
- Mud
- Wattle
- Wooden logs
- Water

Applicability:

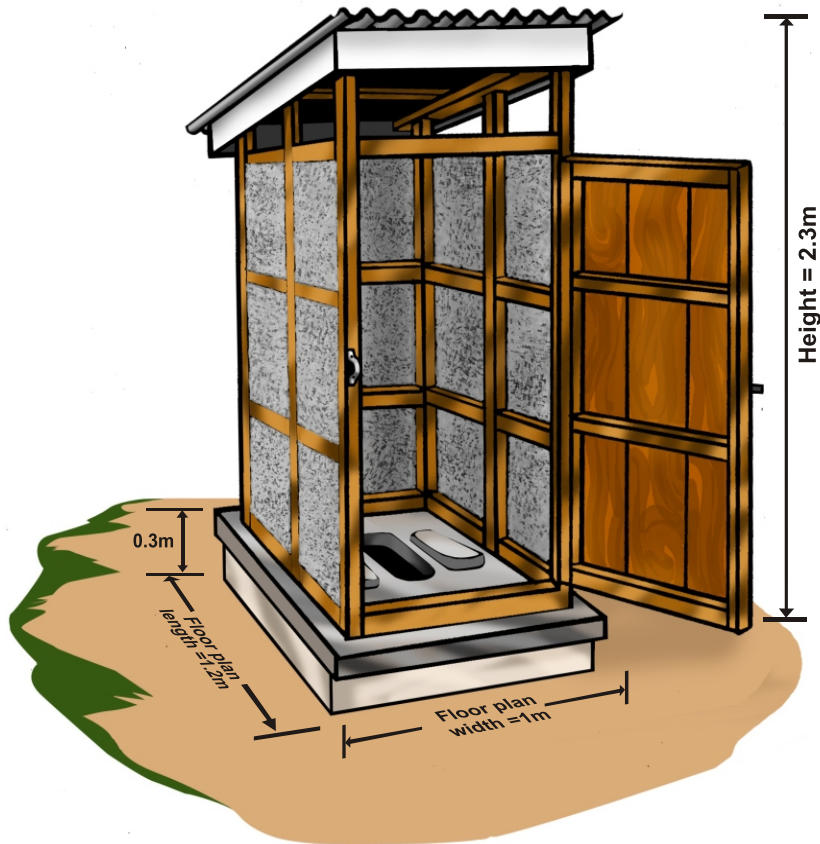
- All rural settings.

Benefits:

- Affordable.
- Readily available materials.

Super structures

FERRO CEMENT LATRINE



Tools:

- Nails
- Hammer
- Chain saw
- Level
- Measuring tape

Materials:

- Iron sheets
- Hinge joints
- Door latch
- Wooden planks
- Wire mesh
- Concrete slab

Applicability:

- All rural and peri-urban settings.

Benefits:

- Durable.

Super structures

DURA SAN LATRINE



Tools:

- Nails
- Hammer
- Chain saw
- Level
- Hand shovel
- Measuring tape

Materials:

- Iron sheets
- Hinge joints
- Door latch
- Wooden planks
- Sato Pan
- Concrete panels
- Concrete slab

Applicability:

- Peri-urban and urban settings.

Benefits:

- Durable.

