Hoa Binh Province

Product Menu

For a civilized lifestyle

Join hands for clean and beautiful villages
Mandatory characteristics

<table>
<thead>
<tr>
<th>Type of latrine</th>
<th>Has available water</th>
<th>At least 10m away from any eating or drinking water source</th>
</tr>
</thead>
<tbody>
<tr>
<td>Septic tank latrine</td>
<td>Necessary</td>
<td>Unnecessary</td>
</tr>
<tr>
<td>Soakage pit latrine</td>
<td>Necessary</td>
<td>Necessary</td>
</tr>
<tr>
<td>Double vault latrine</td>
<td>Unnecessary</td>
<td>Necessary</td>
</tr>
<tr>
<td>Ventilated-improved pit latrine</td>
<td>Unnecessary</td>
<td>Necessary</td>
</tr>
</tbody>
</table>

Latrine features

<table>
<thead>
<tr>
<th>Type of latrine</th>
<th>Septic tank</th>
<th>Soakage pit</th>
<th>Double vault</th>
<th>VIP</th>
</tr>
</thead>
<tbody>
<tr>
<td>Feces composting</td>
<td>No</td>
<td>No</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>Use and clean</td>
<td>Easier</td>
<td>Easier</td>
<td>Harder</td>
<td>Harder</td>
</tr>
<tr>
<td>Durability</td>
<td>High</td>
<td>High</td>
<td>High</td>
<td>Low</td>
</tr>
</tbody>
</table>
Wet Latrine

Septic Tank

Built with concrete rings. Volume: 1.2m$^3$

From 1,800,000 VND

REASONABLE PRICE
VERIFIED TECHNOLOGY

Pros
- Clean, modern, can be built inside the house or combined with a bathroom
- Easy and convenient use
- One time investment, long time use

Use
- Flush after each use
- Don't toss sticks or hard paper into the pan
- Don't pour detergent into the tank

Caution
- Suitable for areas with stable water supply
- Consult your local health worker for construction advices and hire trained masons to ensure the construction's technical quality

The listed prices already include: i) ceramic pan, ii) family's labour as supporting masons, excluding: i) materials' transportation cost, ii) 3 labour units' cost

Built with bricks. Volume: 1.5m$^3$

Cement brick
From 2,300,000 VND

Red brick
From 3,100,000 VND
**Wet Latrine**

**Soakage Pit**

- Built with concrete rings. Volume: 0.8m³
- From 1,200,000 VND

**Pros**
- Clean, modern
- Easy and convenient use
- One time investment, long time use

**Use**
- Flush after each use
- Don’t toss sticks or hard paper into the pan
- Don’t pour detergent into the tank

**Caution**
- Suitable for areas with stable water supply
- The pit must be built at least 10m away from any water source
- Consult your local health worker for construction advices and hire trained masons to ensure the construction’s technical quality

**Clean, modern**

- Built with concrete rings. Volume: 0.8m³
- From 1,200,000 VND

**Built with bricks. Volume: 1 m³**

- Cement bricks
  - From 1,300,000 VND
- Red bricks
  - From 1,700,000 VND

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The listed prices already include: i) ceramic pan, ii) family’s labour as supporting masons, excluding: i) materials’ transportation cost, ii) 2 labour units’ cost
Composting Double-vault

Durable, safe, clean
Reasonable price; can use local materials
Can use feces that have been composted for more than 6 months as fertilizer
Can be self-built with health workers' instructions

Pros
- Durable, safe, clean
- Reasonable price; can use local materials
- Can use feces that have been composted for more than 6 months as fertilizer
- Can be self-built with health workers' instructions

Use
- Cover the feces with ashes, sawdust, or soils after each use
- Don’t let water enter the tank
- Cover the drop-hole when not using the latrine
- Use alternately each chamber and seal the tank's doors with cement

Caution
- The ventilation pipe should have a diameter of 6cm, and the top higher than the latrine's roof for 40cm; anti-fly net included
- Contact trained masons or local health workers for more advices on latrine construction techniques

From 1,100,000 VND
Built with cement bricks

From 1,400,000 VND
Built with red bricks

The listed priced includes: i) concrete slab; excluding i) materials' transportation cost; ii) 3 labour units' cost
**Ventilated Improved Pit**

The listed price includes: i) concrete slab; excluding i) materials’ transportation cost; ii) labour cost for digging the pit.

**Concrete slab and wooden cover**

500,000 VND

**Pros**
- Cheap; can be built using local sanitation conditions
- Simple construction; can be self-built with health workers’ instructions
- Clean if the HH follows the instructions correctly

**Use**
- Cover the feces with ashes, sawdust, or soils after each use
- Don’t let water enter the tank
- Cover the drop-hole when not using the latrine

**Caution**
- The latrine should be at least 10m away from any water source
- Avoid building latrine in areas with unstable or sandy soil
- The ventilation pipe should have a diameter of 6cm, and the top higher than the latrine’s roof for 40cm; anti-fly net included
- Avoid building a solid superstructures, to facilitate moving to a new pit when it’s filled
- Consult trained masons or local health workers for more technical advices
Super-structures

Use local materials

- Roof: Palms
- Walls: Palms, wooden slate, bamboos, etc.

From 0 VND

Pros

- Uses locally available materials, which cost very little or even nothing
- Low durability, needs renewal for after 2 - 3 years

- Roof: Fibre cement sheets
- Walls: Palms, wooden slate, bamboos, etc.

From 200,000 VND

- Can be self-built without masons

- Roof: Fibre cement sheets
- Walls: Canvas

From 400,000 VND
Super-structures

Solidly built

- Roof: Fibre cement sheets or tiles
- Walls: Cement bricks

From **900,000 VND**
(if household self-builds)
Add 2 labour units’ cost if hiring masons

- Roof: Fibre cement sheets or tiles
- Bastement and Walls: Cement bricks

From **1,700,000 VND**
(if household self-builds)
Add 6 labour units’ cost if hiring masons

- Roof: Concrete roof
- Bastement and Walls: Cement bricks

From **2,100,000 VND**
(if household self-builds)
Add 8 labour units’ cost if hiring masons

**Pros**

- Durable and comfortable
- Clean and private
- Can be used for years
- The family can participate in the construction to reduce the cost