Sample computation on estimating the cost of toilet construction

<table>
<thead>
<tr>
<th>SAMPLE NO. 1:</th>
<th>Base Cost</th>
<th>EST. Total Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>SUB-STRUCTURE:</td>
<td>2&quot; Concrete Ring</td>
<td>P 1,800</td>
</tr>
<tr>
<td>MID-STRUCTURE:</td>
<td>Cement Bowl - White</td>
<td>P 825</td>
</tr>
<tr>
<td>SUPERSTRUCTURE:</td>
<td>Indigenous Materials</td>
<td>P 1,500</td>
</tr>
<tr>
<td>SUPERSTRUCTURE:</td>
<td>Roof - Nipa; Walls - Amakan</td>
<td></td>
</tr>
</tbody>
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<thead>
<tr>
<th>SAMPLE NO. 2:</th>
<th>Base Cost</th>
<th>EST. Total Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>SUB-STRUCTURE:</td>
<td>1&quot; Ferrocement Ring</td>
<td>P 1,700</td>
</tr>
<tr>
<td>MID-STRUCTURE:</td>
<td>Cement Bowl - White</td>
<td>P 825</td>
</tr>
<tr>
<td>SUPERSTRUCTURE:</td>
<td>Plywood Model</td>
<td>P 2,400</td>
</tr>
<tr>
<td>SUPERSTRUCTURE:</td>
<td>Roof - GI sheet; Walls - Plywood</td>
<td></td>
</tr>
</tbody>
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<tr>
<th>SAMPLE NO. 3:</th>
<th>Base Cost</th>
<th>EST. Total Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>SUB-STRUCTURE:</td>
<td>2&quot; Concrete Ring</td>
<td>P 1,800</td>
</tr>
<tr>
<td>MID-STRUCTURE:</td>
<td>Cement Bowl - Colored</td>
<td>P 1,000</td>
</tr>
<tr>
<td>SUPERSTRUCTURE:</td>
<td>Ferrocement</td>
<td>P 4,500</td>
</tr>
<tr>
<td>SUPERSTRUCTURE:</td>
<td>Roof - Ferrous Slab; Walls - Ferrocement</td>
<td></td>
</tr>
</tbody>
</table>

Notes:
1. Quoted cost estimates assume cash purchase of the materials.
2. Quoted cost estimates do not include labor costs for digging the pit.
3. Quoted cost estimates may vary from area to area. Use of the specified materials is recommended.
4. The quotes do not include the labor cost of digging the pit, which is assumed to be the contribution of the household.

Para sa karagdagang kaalaman kung paano makabili ng inidoro, makipag-ugnayan sa iyong Barangay Health Center certified hardware stores o certified Micro Finance Institutions (MFIs).
Aron mahibal-an kung unsa-on maka-angkon ug inidoro, mangutana sa inyong Barangay Health Center, certified hardware stores, o certified Micro Finance Institutions.
SUB-STRUCTURE ONLY (STRUKTURNG PANG ILALIM LAMANG)

**Concrete Ring Model**
- 2" Thick; 1 & 2 footer for pour flush toilets; Capacity = about 700 - 1,000 ltrs.
- Materials Used: 2" concrete rings, cement, sand and gravel, charcoal, PVC pipes and fittings

**Ferrocement Ring Model**
- 1" Thick; 1 & 2 footer for pour flush toilets; Capacity = about 700 - 1,000 ltrs.
- Materials Used: 1" ferrocement rings, cement, sand and gravel, charcoal, PVC pipes and fittings

**Plastic Drum Model**
- 200 ltr. Industrial Drum for pour flush toilets; Capacity = about 200 ltrs.
- Materials Used: Package cost includes plastic drum (closed at both ends), sand and gravel, charcoal, PVC pipes and fittings

**Cement Model**
- Pour Flush
- Materials Used: Cement pour flush bowl with cover either brush or spray painted; for the concrete slab, sand and gravel, cement, 10 mm rebar, 8 mm rebar. Spray painted, colored bowls, may be requested with additional cost.

**APPLICATIONS:**
- Plains, low-lying and upland areas, some coastal areas, either partially or used fully as pit lining.

**Note:** Concrete and Ferrous Rings with volume capacities of 1300 ltrs. may be requested with additional costs.

**EST. COST TO CONSTRUCT:**
- Concrete Ring Model: P 1,800 - P 2,400
- Ferrocement Ring Model: P 1,700 - P 2,300
- Plastic Drum Model: P 1,500 - P 2,000
- Cement Model: P 825 - P 1,200

**MID-STRUCTURE ONLY (BOWL LAMANG)**

**Arborloo Model**
- For waterless areas
- Materials Used: Arborloo bursh painted concrete bowl with cover; for the concrete slab: sand and gravel, cement, 10 mm rebar, 8 mm rebar. Use dry pit

**Cement Model**
- Pour Flush
- Materials Used: Cement pour flush bowl with cover either brush or spray painted; for the concrete slab, sand and gravel, cement, 10 mm rebar, 8 mm rebar. Spray painted, colored bowls, may be requested with additional cost.

**Ceramic Model**
- Pour Flush
- Materials Used: Ceramic pour flush bowl; for the concrete slab, sand and gravel, cement, 10 mm rebar, 8 mm rebar. Cover and colored ceramic bowls may be requested with additional charge.

**SUPERSTRUCTURE ONLY (BAHAY LAMANG)**

**Indigenous Material Model**
- Materials Used: Nipa or amakan walls, nipa roof, coco or any good wooden lumber for framing. A makan walls may be painted inside and outside by the owner.

**Plywood Model**
- Materials Used: Plywood for the walls, nipa or corrugated GI sheets for the roof, and coco or good wooden lumber for the framing. Plywood walls may be painted inside and outside by the owner.

**Ferrocement Model**
- Materials Used: Pre-fabricated 1 inch thick Ferrocement panels for walls, joined by reinforcement deformed steel bar dowels. Walls can also be a combination of Amakan and Ferrocement. Roof can either be made of Ferrocement slab, corrugated GI Sheet or nipa. Ferrocement walls may be painted inside and outside by the owner.

**EST. COST TO CONSTRUCT:**
- Indigenous Material Model: P 1,500 - P 3,000
- Plywood Model: P 2,400 - P 4,000
- Ferrocement Model: P 3,100 - P 4,500

**Note:** Dry pits (without use of rings and drums are normally used with Arborloo bowls in waterless areas where the water table is deep (more than 3 meters below flooring of the excavated pit) and the soil formation is naturally impervious and stable.