

Summary Cost of Starter kit

Particular		Cost
a. Tools and equipment		PhP 222,300.00
b. Pour-Flush Cement Bowl Molder		13,470.00
c. Ferrocement Ring		24,855.00
D. 1 Footer concrete ring mould		127,110.00
Grand Total		PhP387,735.00

Annex D.

Training Design on Toilet Bowl Making

Day 1	Activity/Topic	Methodology	Resources needed	Expected Output
<b>Morning session</b> 7:00 – 8:00 8:01 – 8:30 8:31 -9:30	Preliminaries <ul style="list-style-type: none"><li>Arrival and Registration</li><li>Opening Program</li><li>Levelling-Off of Expectations/Objective Setting</li><li>Training Rationale</li><li>House Rules</li><li>Training Overview</li></ul>	Metaplan	*registration form * sound systems Metacards, pentel pen, masking tapes	Participants Profile  100% of participants listed down their expectations.
9:31-12:00	Module I : Actual Production of Three Types of Concrete Toilet Bowls  Activity A: Standard concrete seat type pour-flush toilet bowls;  Activity B: Standard Concrete Seat Type “Arboloo” bowl for waterless areas; and  Activity C: Standard Concrete Squat Type Bowl	Method demonstrations/Hands-on	Construction materials listed in Annex A	-80% of participants produced the three types of toilet bowls
<b>12:01- 1:00</b>	<b>LUNCH BREAK</b>			
<b>Afternoon Session</b> 1:01 – 2:30	Module II: Actual Production of concrete Rings as alternative Waste Receptacle  Activity A: 2”, 2 Footer Concrete Ring  Activity B: 2”, 1 Footer Concrete Ring  Activity C: 1”, 2 Footer Ferrocement Ring	-Method Demonstration/practicum	Construction materials listed in Annex A	*100% of participants fabricated 3 types of Concrete rings
2:31 – 4:30	Module III: Fabrication of Molders	-Method Demonstration	Construction materials listed in Annex	100% of participants fabricated 3

	Activity A: Standard Pour-Flush Concrete Seat Bowl  Activity B: Standard Arborloo Concrete Seat Bowl for Waterless Areas  Activity C: Standard Concrete Squat Type bowl		A	types of toilet bowls
4:31- 5:00	SYNTHESIS	sharing	Sound systems	80% of participants verbalized activities of the whole day
<b>Day 2 Morning Session 8:00 – 8:30</b>	*Prayer *Group Dynamics *Recap		Sound systems	
8:31 -12:00	Module IV: Fabrication of Concrete Ring Molds  Activity A: 2", 2 Footer concrete Ring Mold  Activity B: 2", 1 Footer Concrete Ring Mold	Method Demonstration	Construction materials listed in Annex A	.100% of participants fabricated 2 types of rings molders
<b>12:01 – 1:00</b>	<b>LUNCH BREAK</b>			
<b>Afternoon Session 1:01 – 4:30</b>	Module V: Complete Installation of Sub-Structures  Activity A: Concrete Ring Inlet and Water Overflow to Leach Pit PVC Pipes and Elbows  Activity B: 200 liter Plastic drums inlet and Water overflow to Leach Pit PVC Pipes and Elbows  Activity C: Clean-Out Installation for Future On-Site Dislodging of Fecal Sludge	- Method Demonstration	- Ring molds	100% of participants installed sub-structures to leach PVC pipes and elbows
4:31 – 5:00	Synthesis	- sharing	- sound system	50% of participants synthesized activities done for the whole day.
<b>Day 3 Morning Session 8:00 – 8:30</b>	*Prayer *Group Dynamics *Recap		Sound Systems	50% of participants recapitulated the activities on the previous session.
8:31 –	Module VI: Assembly of	Method	*Toilet bowls	100% of

12:00	<p>Toilet Superstructure</p> <p>Activity A: Construction of 3-3" thick, 4 ft x 4 ft concrete floor slabs with toilet bowl placement holes for 3 toilet models;</p> <p>Activity B: Toilet Bowl Placement on concrete Floor Slabs – 2 Pour Flush bowls and 1 arborloo bowl;</p> <p>Activity C: Production of 1 Sample Ferrocement toilet wall/ferrocement wall slab.</p>	demonstration	* Construction materials listed in Annex A	participants constructed toilets
12:01 – 1:00	<b>LUNCH BREAK</b>			
<b>Afternoon Session</b> 1:01 – 3:00	<p>Module VII: Assembling of Three Complete Toilet Models</p> <p>Activity A: Installation of 3 types of sub-structures: 1 using concrete rings; 1 using a drum; and 1 utilizing a dry pit for areas where there is no regular supply of water, the water table is deep and the soil is hard and stable.</p> <p>Activity B: Assembly of Three Types of Toilet Superstructures: 1 with walls made of ferrocement with GI Sheet roofing; 1 an elevated toilet using amakan materials for walls with nipa roofing; 1 with marine plywood as its walls with GI Sheet Roofing</p>	Practicum	Toilet bowls, concrete rings, ferrocement	100% of participants assembled three complete toilet models
3:01 – 4:00	Planning Workshop	<ul style="list-style-type: none"> <li>brainstorming</li> <li>workshop</li> <li>output presentation</li> </ul>	Pentel pens, newsprint, masking tape	80% of participants formulated project plan for livelihood project.
4:01 – 5:00	-Synthesis -Evaluation Closing Program	<ul style="list-style-type: none"> <li></li> </ul>		

Annex E. ECONOMIC ANALYSIS:

Production Cost of Concrete Bowls

A. Production of 14 units- solid Concrete Pour-Flush Bowls

Items	Quantity	Unit	Unit cost	Total
Premium Cement	2	bags	250.00	PhP 500.00
Fine Sand	5	bags	20.00	100.00
Lates paint (flat)	1	liter	150.00	150.00
Liquid tile paint	1	liter	200.00	200.00
Tinting Color (liquid tile - Davies)	1/4	liter	114.00	114.00
Paint Reducer	2	liters	120.00	240.00
Ordinary Plywood (1/8)	1	sheet	225.00	225.00
Sand Paper	3	Pcs.	26.00	78.00
Total				PhP 1,607.00

B. Labor Requirement

No.	Skill	Rate per day (local)	No. of Days	Amount
1	mason	300.00	3	900.00
1	helper	200.00	3	600.00
Total				PhP 1,500.00

C. Other costs

Particular	Cost	Amount
Space Rental	P 500.00/month	Php500.00
Total		Php 500.00

Cost Per unit of toilet bowl:

**Total Cost = Cost of Marterials + Cost of Labor + Other costs**  
= PhP 1,607.00 + 1,500.00 + 500.00  
= PhP 3,607.00

**Unit Cost = Total Cost/No. of Unit**  
= PhP 3,607/14  
= PhP 257.64

**Cost of Production Per unit = PhP 258.00**

**Cost of Labor per unit = Cost of Labor/no. of units**  
=1,500.00/14  
= PhP 107.14

**Unit price= Cost of Production Per unit + manufacturer's mark up**  
= Cost of Production Per unit + 1.25% of unit price  
=P 257.64 + (P257.64 x 1.25%)  
=P 257.64 + 322.05  
=P 579.69 / P 580.00

**Production Per Month**  
=No. units produce per week  
= 28 units/week x 4 weeks

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29	RODIRGO F . FANER	BRGY. PAGSANGAHAN, CALATRAVA, ROMBLON	175904004-2659-00001
30	FILGER SARMIENTO	BRGY . POBLACION, FERROL, ROMBLON	