

8.5 Service Coverage by Target Year

8.5.1 Water Supply

(1) Population to be served by Level II system in Phase I

Sixty six (66) untapped spring sources out of total 153 were confirmed to be suitable for Level II systems in rural water supply by the time of PW4SP preparation as shown in Table 8.5.1. Conditions and assumptions applied for this estimate are as follows:

Source capacity:

The average source capacity of untapped spring was assumed to meet the need of 100 households based on the review of existing Level II systems with spring sources.

Number of system:

Sixty six (66) out of total 153 untapped springs identified during the course of RW4SP preparation were considered to serve sixty six (66) Level II systems in sixty six (66) rural barangays of 11 municipalities.

(2) Population to be served by target year

Phase I

For urban area, the additional service coverage was assumed to be served by Level III service. For rural area, the population to be served by Level II systems with untapped springs was first calculated and the rest of additional service coverage was estimated to be served by Level I facilities.

Phase II

For urban area, the population served by Level I and II facilities in base year was considered to be absorbed by Level III service aside from the additional service coverage to be estimated by the sector target. For rural area, all existing facilities in Phase I was assumed to be utilized through the future.

The population to be served by target year is exhibited in Table 8.5.2 and Table 8.5.3.

Table 8.5.1 Population to be Served by Level II System in Phase I

Name of Municipality/City	Number of Untapped Spring	Number of Barangay to be Served	Number of Households to be Served	Population to be Served
Abuyog				
Alangalang				
Albuera				
Babatngon				
Barugo				
Bato	5	5	484	2,471
Baybay	36			
Burauen	14	14	841	4,249
Calubian				
Capoocan	4			
Carigara				
Dagami	11			
Dulag				
Hilongos	1	1	100	501
Hindang	7			
Inopacan	6	6	396	1,987
Isabel	13			
Jaro	1	1	100	491
Javier (Bugho)	10			
Julita				
Kananga	1			
La Paz	19	19	312	1,554
Leyte				
MacArthur	2	2	200	1,062
Mahaplag	2	2	200	1,028
Matag-ob	4			
Matalom	11	11	474	2,386
Mayorga				
Merida				
Palo				
Palompon				
Pastrana				
San Isidro				
San Miguel	2	2	200	1,052
Santa Fe				
Tabango	3	3	300	1,500
Tabontabon				
Tacloban City (Capital)				
Tanauan				
Tolosa	1			
Tunga				
Villaba				
Provincial Total	153	66	3,607	18,281

Table 8.5.2 Population to be Served in Phase I (Water Supply)

Name of Municipality/City	Area	Population Served in the Base Year			Phase I Coverage (2004)											
		Level III	Level II	Level I	Total	Total Population	Service Coverage			Additional Population to be Served						
							Level III	Level II	Level I	Level III	Level II	Level I	Total			
Abuyog	Urban	4,597		5,810	10,407	14,093	6,488		5,810			1,891				1,891
	Rural		4,028	13,370	17,398	37,825		4,028	17,057					3,687		3,687
	Total	4,597	4,028	19,180	27,805	51,918	6,488	4,028	22,867	33,383	1,891			3,687		5,578
Alangalang	Urban			5,337	5,337	12,645	1,696		5,337			1,696				1,696
	Rural			25,386	25,386	38,550			25,386							
	Total			30,723	30,723	50,995	1,696		30,723	32,419	1,696					1,696
Albuera	Urban		667	3,863	4,530	7,467	1,002		667							
	Rural		830	15,519	16,349	29,379		830	18,383				2,864		2,864	
	Total		1,497	19,382	20,879	36,846	1,002	1,497	22,246	24,745	1,002		2,864		3,866	
Babatngon	Urban	5,659	132	803	6,594	8,230	6,763		803			1,104				1,104
	Rural		1,852	6,813	8,665	16,199		1,852	8,392							
	Total	5,659	1,984	7,616	15,259	24,429	6,763	1,984	9,195	17,942	1,104			1,579		2,683
Barugo	Urban	2,771		1,985	4,756	7,036	3,715		1,985			944				944
	Rural	1,752	327	8,186	10,265	30,960	5,467		327	10,518			2,332		2,332	
	Total	4,523	327	10,171	15,021	30,960	5,467	327	12,503	18,297	944		2,332		3,276	
Bato	Urban	716	219	4,098	5,033	7,543	1,728		219	4,098			1,012			1,012
	Rural		409	9,082	9,491	25,353		2,880	9,082			2,471			2,471	
	Total	716	628	13,180	14,524	32,896	1,728	3,099	13,180	18,007	1,012		2,471		3,483	
Baybay	Urban	15,019	596	5,080	20,695	24,117	15,019		596	5,080						
	Rural	9,428	29,475	11,101	50,004	69,398	9,428		29,475	11,101						
	Total	24,447	30,071	16,181	70,699	93,515	24,447		30,071	16,181						
Burauen	Urban	11,777	395	803	12,975	16,817	14,033		395	803			2,256			2,256
	Rural	1,165	465	15,745	17,375	43,590	1,165		4,714	15,745			4,249		4,249	
	Total	12,942	860	16,548	30,350	60,407	15,198	5,109	16,548	36,855	2,256		4,249		6,505	
Calubian	Urban	297			297	648	384					87				87
	Rural	3,182	1,092	16,368	20,642	42,209	3,182		1,092	20,482			4,114		4,114	
	Total	3,479	1,092	16,368	20,939	42,857	3,566	1,092	20,482	25,140	87		4,114		4,201	
Carpocun	Urban	614		3,674	4,288	5,892	1,404			3,674			790			790
	Rural	1,610		17,225	18,835	26,092	1,610		17,225	18,835						
	Total	2,224		20,899	23,123	31,984	3,014		20,899	23,913	790				790	
Carrizara	Urban	1,571		8,114	9,685	13,368	3,364			8,114			1,793			1,793
	Rural	4,501	250	19,661	24,412	55,829	4,501		250	19,661			24,412			
	Total	6,072	250	27,775	34,097	69,197	7,865	250	27,775	35,890	1,793				1,793	

Table 8.5.2 Population to be Served in Phase I (Water Supply) (Cont'd)

Name of Municipality/City	Area	Population Served in the Base Year				Phase I Coverage (2004)											
		Population Served			Total Population	Service Coverage			Additional Population to be Served								
		Level III	Level II	Level I		Total	Level III	Level II	Level I	Total	Level III	Level II	Level I	Total			
Dagami	Urban	126		4,016	4,142	4,547	126		4,016	4,142							
	Rural	3,150	250	12,801	16,201	25,228	3,150	250	12,801	16,201							
	Total	3,276	250	16,817	20,343	29,775	3,276	250	16,817	20,343							
Dulag	Urban	253		13,712	13,965	24,547	3,546		13,712	17,258	3,293						
	Rural			7,402	7,402	13,462			8,714	8,714					1,312		1,312
	Total	253		21,114	21,367	38,009	3,546		22,426	25,972	3,293				1,312		4,605
Hilongos	Urban	1,472	131	4,431	6,034	9,262	2,714	131	4,431	7,276	1,242						
	Rural	4,795	2,554	18,959	26,308	45,459	4,795	3,055	22,889	30,739				501	3,930		4,431
	Total	6,267	2,685	23,390	32,342	54,721	7,509	3,186	27,320	38,015	1,242			501	3,930		5,673
Hindang	Urban	2,213		1,258	3,471	3,710	2,213		1,258	3,471							
	Rural		1,025	9,342	10,367	13,374		1,025	9,342	10,367							
	Total	2,213	1,025	10,600	13,838	17,084	2,213	1,025	10,600	13,838							
Inopacan	Urban			956	956	2,584	347		956	1,303	347						
	Rural		2,260	5,714	7,974	20,386		4,247	5,714	9,961				1,987			1,987
	Total		2,260	6,670	8,930	22,970	347	4,247	6,670	11,264	347			1,987			2,334
Isabel	Urban	2,646		9,167	11,813	15,224	4,688		9,167	13,855	2,042						
	Rural	4,104		13,425	17,529	26,365	4,104		13,425	17,529							
	Total	6,750		22,592	29,342	41,589	8,792		22,592	31,384	2,042						
Jaro	Urban	3,428	100	729	4,257	7,377	4,418	100	729	5,247	990						
	Rural		1,327	3,126	4,453	27,171		1,818	5,283	7,101				491	2,157		2,648
	Total	3,428	1,427	3,855	8,710	34,548	4,418	1,918	6,012	12,348	990			491	2,157		3,638
Javier (Bugho)	Urban	826	645	461	1,932	3,188	1,254	645	461	2,360	428						
	Rural	613	2,966	14,499	18,078	24,658	613	2,966	14,499	18,078							
	Total	1,439	3,611	14,960	20,010	27,846	1,867	3,611	14,960	20,438	428						
Julita	Urban			2,620	2,620	5,232	702		2,620	3,322	702						
	Rural			4,871	4,871	10,313			5,876	5,876					1,005		1,005
	Total			7,491	7,491	15,545	702		8,496	9,198	702				1,005		1,707
Kananga	Urban	7,140			7,140	7,958	7,140			7,140							
	Rural	1,913	1,123	20,742	23,778	38,950	1,913	1,123	20,742	23,778							
	Total	9,053	1,123	20,742	30,918	46,908	9,053	1,123	20,742	30,918							
La Paz	Urban		1,524	1,562	3,086	4,863	652		1,562	3,738	652						
	Rural		149	7,625	7,774	15,940		1,703	7,625	9,328				1,554			1,554
	Total		1,673	9,187	10,860	20,803	652	3,227	9,187	13,066	652			1,554			2,206

Table 8.5.2 Population to be Served in Phase I (Water Supply) (Cont'd)

Name of Municipality/City	Area	Population Served in the Base Year						Phase I Coverage (2004)											
		Level III			Level II			Level I			Total			Service Coverage			Additional Population to be Served		
		Level III	Level II	Level I	Total	Level III	Level II	Level I	Total	Level III	Level II	Level I	Total	Level III	Level II	Level I	Total		
Leyte	Urban	786		1,250	2,036	4,217	1,352		1,250	2,602	566							566	
	Rural	21	2,186	14,393	16,600	32,829	21	2,186	17,593	19,800								3,200	
	Total	807	2,186	15,643	18,636	37,046	1,373	2,186	18,843	22,402	566							3,200	
MacArthur	Urban			2,107	2,107	4,356	584		2,107	2,691	584							584	
	Rural		319	7,941	8,260	21,012		1,381	8,927	10,308								986	
	Total		319	10,048	10,367	25,368	584	1,381	11,034	12,999	584							986	
Mabaplag	Urban			2,183	2,183	4,044	542		2,183	2,725	542							542	
	Rural		88	6,661	6,749	22,528		1,116	7,829	9,945								1,028	
	Total		88	8,844	8,932	26,572	542	1,116	10,012	11,670	542							1,028	
Matag-ob	Urban	386	450	2,145	2,981	4,551	997	450	2,145	3,592	611							611	
	Rural	1,435	2,360	6,023	9,818	16,674	1,435	2,360	6,023	9,818									
	Total	1,821	2,810	8,168	12,799	21,225	2,432	2,810	8,168	13,410	611							611	
Matalom	Urban	3,020	476	236	3,732	3,756	3,020	476	236	3,732									
	Rural	3,537	428	7,334	11,299	24,476	3,537	2,814	7,334	13,685								2,386	
	Total	6,557	904	7,570	15,031	28,232	6,557	3,290	7,570	17,417								2,386	
Mayorga	Urban		72	1,684	1,756	2,467	331	72	1,684	2,087	331							331	
	Rural		146	6,696	6,842	9,635		146	6,696	6,842									
	Total		218	8,380	8,598	12,102	331	218	8,380	8,929	331							331	
Merida	Urban	2,391		490	2,881	3,638	2,879	490	3,638	488								488	
	Rural	181		16,149	16,330	23,050	181	16,149	16,330										
	Total	2,572		16,639	19,211	26,688	3,060	16,639	19,699	488								488	
Palo	Urban	17,659		4,763	22,422	26,496	17,659	4,763	22,422										
	Rural			21,644	21,644	27,210		21,644	21,644										
	Total	17,659		26,407	44,066	53,706	17,659	26,407	44,066										
Palompon	Urban	3,050		4,662	7,712	13,170	4,817	4,662	9,479	1,767								1,767	
	Rural	884	153	11,641	12,678	46,469	884	153	16,171	17,208								4,530	
	Total	3,934	153	16,303	20,390	59,639	5,701	153	20,833	26,687	1,767							6,297	
Pastrana	Urban	86		1,638	1,724	3,435	547	1,638	2,185	461								461	
	Rural	2,150		3,481	5,631	15,090	2,150	4,952	7,102									1,471	
	Total	2,236		5,119	7,355	18,525	2,697	6,590	9,287	461								1,471	
San Isidro	Urban		178	1,038	1,216	6,096	818	178	1,038	2,034	818							818	
	Rural		71	6,016	6,087	36,015		71	9,527	9,598								3,511	
	Total		249	7,054	7,303	42,111	818	249	10,565	11,632	818							3,511	

Table 8.5.3 Population to be Served in Phase II (Water Supply)

Name of Municipality/City	Population Served in 2004				Phase II Coverage (2010)							
	Area			Total Population	Service Coverage			Additional Population to be Served				
	Level III	Level II	Level I		Level III	Level II	Level I	Level III	Level II	Level I	Total	
Abuyog	Urban	6,488	4,028	5,810	14,418	13,697	4,028	31,962	7,209	13,697	14,905	7,209
	Rural		4,028	17,057	38,699		4,028	31,962		35,990	14,905	14,905
	Total	6,488	4,028	22,867	53,117	13,697	4,028	31,962	7,209	49,687	29,810	29,810
Alangalang	Urban	1,696		5,337	14,902	14,157		42,034	12,461	14,157	16,648	12,461
	Rural			25,386	45,198			42,034		42,034	16,648	16,648
	Total	1,696		30,723	60,100	14,157		42,034	12,461	56,191	33,296	29,109
Albuera	Urban	1,002	667	3,863	7,755	7,367		27,544	6,365	7,367	9,161	6,365
	Rural		830	18,383	30,510		830	27,544		28,374	9,161	9,161
	Total	1,002	1,497	22,246	38,265	7,367	830	27,544	6,365	35,741	18,312	18,312
Babatngon	Urban	6,763	132	803	9,354	8,886		31,817	2,123	8,886	6,879	2,123
	Rural		1,852	8,392	18,412		1,852	15,271		17,123	6,879	6,879
	Total	6,763	1,984	9,195	27,766	8,886	1,852	15,271	2,123	26,009	13,758	13,758
Barugo	Urban	3,715		1,985	7,738	7,351		22,387	3,636	7,351	11,869	3,636
	Rural		327	10,518	26,307	1,752		22,387		24,466	11,869	11,869
	Total	3,715	327	12,503	34,045	9,103	327	22,387	3,636	31,817	23,738	23,738
Bato	Urban	1,728	219	4,098	7,919	7,523		28,101	5,795	7,523	12,793	5,795
	Rural		2,880	9,082	26,618		2,880	21,875		24,755	12,793	12,793
	Total	1,728	3,099	13,180	34,537	7,523	2,880	21,875	5,795	32,278	25,586	25,586
Baybay	Urban	15,019	596	5,080	20,695	23,785		67,004	8,766	23,785	17,000	8,766
	Rural	9,428	29,475	11,101	50,004	9,428		28,101		67,004	17,000	17,000
	Total	24,447	30,071	16,181	70,699	33,213	29,475	28,101	90,789	8,766	34,000	34,000
Burauen	Urban	14,035	395	803	18,569	17,641		44,762	3,608	17,641	23,138	3,608
	Rural		4,714	15,745	48,131	1,165		38,883		44,762	23,138	23,138
	Total	15,198	5,109	16,548	66,700	18,806	4,714	38,883	3,608	62,403	46,276	46,276
Calubian	Urban	384			790	751		25,513	4,852	751	8,288	4,852
	Rural		1,092	20,482	51,415	3,182		43,542		47,816	23,060	23,060
	Total	3,566	1,092	20,482	52,205	3,933	1,092	43,542	4,852	48,567	31,126	31,126
Capoocan	Urban	1,404		3,674	6,585	6,256		25,513	4,852	6,256	8,288	4,852
	Rural		1,610	17,225	29,165	1,610		25,513		27,123	8,288	8,288
	Total	3,014		20,899	35,750	7,866		25,513	4,852	33,379	16,576	16,576
Carrigara	Urban	3,364		8,114	14,534	13,807		31,478	10,443	13,807	11,817	10,443
	Rural		250	19,661	38,936	4,501		31,478		36,229	11,817	11,817
	Total	7,365	250	27,775	53,470	18,308	250	31,478	10,443	50,036	23,634	23,634

Table 8.5.3 Population to be Served in Phase II (Water Supply) (Cont'd)

Name of Municipality/City	Population Served in 2004				Phase II Coverage (2010)								
	Area			Total Population	Service Coverage			Additional Population to be Served					
	Level III	Level II	Level I		Total	Level III	Level II	Level I	Total	Level III	Level II	Level I	Total
Dagami	Urban	126		4,016	4,767	4,529			4,529	4,403			4,403
	Rural	3,150	250	16,201	26,449	3,150	250	21,198	24,598			8,397	8,397
	Total	3,276	250	20,343	31,216	7,679	250	21,198	29,127	4,403		8,397	12,800
Dulag	Urban	3,546		13,712	25,623	24,342		13,069	13,069			4,355	4,355
	Rural	3,546		8,714	14,053	24,342		13,069	37,411	20,796		4,355	25,151
	Total	2,714	131	4,431	9,576	9,097		35,858	43,708	6,383		12,969	12,969
Hilongos	Urban	4,795	3,055	22,889	30,739	4,795	3,055	35,858	43,708			12,969	12,969
	Rural	7,509	3,186	27,320	38,015	13,892	3,055	35,858	52,805	6,383		12,969	19,352
	Total	2,213		1,288	3,471	3,723		1,025	11,456	12,481	1,324	2,114	2,114
Hindang	Urban		1,025	9,342	10,367	13,420		1,025	11,456	12,481		2,114	2,114
	Rural	2,213	1,025	10,600	13,838	17,143	3,537	1,025	11,456	16,018	1,324	2,114	3,438
	Total	347		956	1,303	2,897	2,752		2,752	2,405		2,405	2,405
Inopacan	Urban	347	4,247	5,714	9,961	22,853		4,247	17,006	21,253		11,292	11,292
	Rural	347	4,247	6,670	11,264	25,750	2,752	4,247	17,006	24,005	2,405	11,292	13,697
	Total	4,688		9,167	13,855	16,438	15,616		22,370	26,474	10,928	8,945	8,945
Isabel	Urban	4,104		13,425	17,529	28,467	4,104		22,370	26,474		8,945	8,945
	Rural	8,792		22,592	31,384	44,905	19,720		22,370	42,090	10,928	8,945	19,873
	Total	4,418	100	729	5,247	7,519	7,143		7,143	7,143	2,725	2,725	2,725
Jaro	Urban	4,418	1,818	5,283	7,101	27,696		1,818	23,939	25,757		18,656	18,656
	Rural	4,418	1,918	6,012	12,348	35,215	7,143	1,818	23,939	32,900	2,725	18,656	21,381
	Total	1,254	645	461	2,360	3,720	3,534		3,534	3,534	2,280	2,280	2,280
Javier (Bugho)	Urban	613	2,966	14,499	18,078	28,770	613	2,966	23,177	26,756		8,678	8,678
	Rural	1,867	3,611	14,960	20,438	32,490	4,147	2,966	23,177	30,290	2,280	8,678	10,958
	Total	702		2,620	3,322	6,227	5,916		11,415	11,415	5,214	5,214	5,214
Julita	Urban			5,876	5,876	12,274			11,415	11,415		5,539	5,539
	Rural	702		8,496	9,198	18,501	5,916		11,415	17,331	5,214	5,539	10,753
	Total	7,140		7,140	8,294	8,294			8,294	1,154		1,154	1,154
Kananga	Urban	1,913	1,123	20,742	23,778	42,729	1,913	1,123	36,702	39,738		15,960	15,960
	Rural	9,053	1,123	20,742	30,918	51,459	10,207	1,123	36,702	48,032	1,154	15,960	17,114
	Total	652	1,524	1,562	3,738	5,611	5,330		5,330	5,330	4,678	4,678	4,678
La Paz	Urban		1,703	7,625	9,328	18,388		1,703	15,398	17,101		7,773	7,773
	Rural	652	3,227	9,187	13,066	23,999	5,330	1,703	15,398	22,431	4,678	7,773	12,451
	Total												

Table 8.5.3 Population to be Served in Phase II (Water Supply) (Cont'd)

Name of Municipality/City	Population Served in 2004				Phase II Coverage (2010)									
	Area			Total	Service Coverage			Additional Population to be Served						
	Level III	Level II	Level I		Level III	Level II	Level I	Level III	Level II	Level I	Total			
Leyte	Urban	1,352		1,250	2,602	4,380	4,161				2,809			2,809
	Rural	21	2,186	17,593	19,800	34,090	21	2,186	29,497			11,904		11,904
	Total	1,373	2,186	18,843	22,402	38,470	4,182	2,186	29,497		2,809	11,904		14,713
MacArthur	Urban	584		2,107	2,691	5,671	5,387				4,803			4,803
	Rural		1,381	8,927	10,308	27,359		1,381	24,063	25,444		15,136		15,136
	Total	584	1,381	11,034	12,999	33,030	5,387	1,381	24,063	30,831	4,803	15,136		19,939
Mahaplag	Urban	542		2,183	2,725	4,254	4,041				3,499			3,499
	Rural		1,116	7,829	8,945	23,698		1,116	20,923	22,039		13,094		13,094
	Total	542	1,116	10,012	11,670	27,952	4,041	1,116	20,923	26,080	3,499	13,094		16,593
Matag-ob	Urban	997	450	2,145	3,592	5,121	4,865				3,868			3,868
	Rural	1,435	2,360	6,023	9,818	18,764	1,435	2,360	13,656	17,451		7,633		7,633
	Total	2,432	2,810	8,168	13,410	23,885	6,300	2,360	13,656	22,316	3,868	7,633		11,501
Matalom	Urban	3,020	476	236	3,732	3,756	3,732				712			712
	Rural	3,537	2,814	7,334	13,685	24,476	3,537	2,814	16,412	22,763		9,078		9,078
	Total	6,557	3,290	7,570	17,417	28,232	7,269	2,814	16,412	26,495	712	9,078		9,790
Mayorga	Urban	331	72	1,684	2,087	2,573	2,444				2,444			2,444
	Rural		146	6,696	6,842	10,052		146	9,202	9,348		2,506		2,506
	Total	331	218	8,380	8,929	12,625	2,444	146	9,202	11,792	2,113	2,506		4,619
Merida	Urban	2,879		490	3,369	3,858	3,665				786			786
	Rural	181		16,149	16,330	24,444	181		22,552	22,733		6,403		6,403
	Total	3,060		16,639	19,699	28,302	3,846		22,552	26,398	786	6,403		7,189
Palo	Urban	17,659		4,763	22,422	30,167	28,659				11,000			11,000
	Rural			21,644	21,644	30,980			28,811	28,811		7,167		7,167
	Total	17,659		26,407	44,066	61,147	28,659		28,811	57,470	11,000	7,167		18,167
Palompon	Urban	4,817		4,662	9,479	14,501	13,776				8,959			8,959
	Rural	884	153	16,171	17,208	51,164	884	153	46,546	47,583		30,375		30,375
	Total	5,701	153	20,833	26,687	65,665	14,660	153	46,546	61,359	8,959	30,375		39,334
Pastrana	Urban	547		1,638	2,185	3,987	3,788				3,241			3,241
	Rural	2,150		4,952	7,102	17,514	2,150		14,158	16,288		9,186		9,186
	Total	2,697		6,590	9,287	21,501	5,938		14,158	20,076	3,241	9,186		12,427
San Isidro	Urban	818	178	1,038	2,034	7,022	6,671				5,853			5,853
	Rural		71	9,527	9,598	41,485		71	38,510	38,581		28,983		28,983
	Total	818	249	10,565	11,632	48,507	6,671	71	38,510	45,252	5,853	28,983		34,836

Table 8.5.3 Population to be Served in Phase II (Water Supply) (Cont'd)

Name of Municipality/City	Population Served in 2004				Phase II Coverage (2010)								
	Population Served in 2004			Total Population	Service Coverage			Additional Population to be Served					
	Level III	Level II	Level I		Total	Level III	Level II	Level I	Total	Level III	Level II	Level I	Total
San Miguel	Urban	473		2,242	2,715	3,607		3,607		3,134			3,134
	Rural		1,052	7,108	8,160	14,084		1,052	12,046			4,938	4,938
	Total	473	1,052	9,350	17,881	3,607	3,607	12,046	16,705	3,134		4,938	8,072
Santa Fe	Urban	332		1,134	1,466	2,817		2,676		2,344			2,344
	Rural		154	8,844	8,998	16,560		154	15,247			6,403	6,403
	Total	332	154	9,978	10,404	19,377	2,676	2,676	18,077	2,344		6,403	8,747
Tabango	Urban	710		2,468	3,178	5,641		5,359		4,649			4,649
	Rural		2,875	14,079	16,954	32,643		2,875	27,483			13,404	13,404
	Total	710	2,875	16,547	20,132	38,284	5,359	5,359	27,483	4,649		13,404	18,053
Tabontabon	Urban	536		1,247	1,783	2,705		2,570		2,034			2,034
	Rural			2,533	2,533	5,878		5,467		2,934		2,934	2,934
	Total	536		3,780	4,316	8,583	2,570	2,570	8,037	2,034		2,934	4,968
Tacloban City (Capital)	Urban	188,917			188,917	267,815		254,424		65,507			65,507
	Rural		1,375	13,692	15,067	31,689		1,375	28,096			14,404	14,404
	Total	188,917	1,375	13,692	203,984	299,504	254,424	254,424	283,895	65,507		14,404	79,911
Tanauan	Urban	2,274		8,629	10,903	16,933		16,086		13,812			13,812
	Rural	3,575		11,939	17,403	32,047		3,575	24,340			12,401	12,401
	Total	5,849		20,568	28,306	48,980	19,661	1,889	24,340			12,401	26,213
Tolosa	Urban	1,635		16	1,651	1,841		1,749		114			114
	Rural	3,383		6,761	10,242	13,841		3,383	9,391			2,630	2,630
	Total	5,018		6,777	11,893	15,682	5,132	98	9,391	14,621	114	2,630	2,744
Tunga	Urban	2,345		1,327	3,672	6,484		6,160		3,815			3,815
	Rural	1,154		824	1,978	4,756		1,154	3,269			2,445	2,445
	Total	3,499		2,151	5,650	11,240	7,314	3,269	4,423			2,445	6,260
Villaba	Urban	2,063		680	3,018	3,686		3,502		1,439			1,439
	Rural	600		23,186	26,699	38,220		600	29,13			8,846	8,846
	Total	2,663		23,866	29,717	41,906	4,102	3,269	32,032	35,545		8,846	10,285
Provincial Total	Urban	316,227		5,860	118,418	440,505		588,633		272,406			272,406
	Rural	53,133		82,218	511,753	647,104		981,859		1,117,210		470,106	470,106
	Total	369,360		88,078	630,171	1,087,609		1,570,492		1,705,843		470,106	742,512

8.5.2 Sanitation

Table 8.5.4 Additional Number of Households to be Served in Phase I (Household Toilets)

Name of Municipality/City	Phase I Coverage (2004)														
	No. of Household Served in the Based Year					Household Coverage					Additional No. of HHs to be Served				
	Area	Flush	Pour Flush	VIP/Dry	Total	Total No. of HHs	Flush	Pour Flush	VIP/Dry	Total	Flush	Pour Flush	VIP/Dry	Total	
Abuyog	Urban		2,264		2,264	2,774	2,219		45	2,264			45	45	
	Rural		4,508		4,508	7,611	5,423		285	5,708		915	285	1,200	
	Total		6,772		4,508	10,385	7,642		330	7,972		915	330	1,245	
Alangalang	Urban	29	1,888	5	1,922	2,418	638		39	1,934	609		34	643	
	Rural	33	3,436	44	3,513	7,461	33	5,283	280	5,596		1,847	236	2,083	
	Total	62	5,324	49	3,513	9,879	671	6,540	319	7,530	609	1,847	270	2,726	
Albuera	Urban		1,016		1,016	1,512	399	787	24	1,210	399		24	423	
	Rural		3,976		3,976	6,020	4,289		226	4,515		313	226	539	
	Total		4,992		3,976	7,532	399	5,076	250	5,725	399	313	250	962	
Babamgon	Urban		851		851	1,556	411	809	25	1,245	411		25	436	
	Rural		1,653		1,653	3,152	2,246		118	2,364		593	118	711	
	Total		2,504		1,653	4,708	411	3,055	143	3,609	411	593	143	1,147	
Barugo	Urban	243	697		940	1,310	346	681	21	1,048	103		21	124	
	Rural	165	1,701		1,866	4,398	330	2,804	165	3,299	165	1,103	165	1,433	
	Total	408	2,398		1,866	5,708	676	3,485	186	4,347	268	1,103	186	1,557	
Bato	Urban	105	1,304		1,409	1,549	105	1,276	28	1,409			28	28	
	Rural	15	2,643		2,658	4,961	15	3,520	186	3,721		877	186	1,063	
	Total	120	3,947		2,658	6,510	120	4,796	214	5,130		877	214	1,091	
Baybay	Urban	235	3,152		3,387	4,853	1,281	2,523	78	3,882	1,046		78	1,124	
	Rural		11,937		11,937	14,221	11,340		597	11,937			597	597	
	Total	235	15,089		11,937	19,074	1,281	13,863	675	15,819	1,046		675	1,721	
Burauen	Urban		2,444		2,444	3,167	836	1,647	51	2,534	836		51	887	
	Rural		5,737		5,737	8,632	647	5,503	324	6,474	647		324	971	
	Total		8,181		5,737	11,799	1,483	7,150	375	9,008	1,483		375	1,858	
Calubian	Urban	25	26	12	63	131	35	68	2	105	10		42	52	
	Rural	13	4,014	34	4,061	8,703	653	5,548	326	6,527	640	1,534	292	2,466	
	Total	38	4,040	46	4,061	8,834	688	5,616	328	6,632	650	1,576	292	2,518	
Capoocan	Urban		1,074		1,074	1,238	1,053		21	1,074			21	21	
	Rural		2,122	1	2,123	5,218	391	3,327	196	3,914	391	1,205	195	1,791	
	Total		3,196	1	2,123	6,456	391	4,380	217	4,988	391	1,205	216	1,812	
Cangara	Urban	519	1,415		1,934	2,739	723	1,424	44	2,191	204		44	257	
	Rural	24	3,237		3,261	7,180	539	4,577	269	5,385	515	1,340	269	2,124	
	Total	543	4,652		3,261	9,919	1,262	6,001	313	7,576	719	1,349	313	2,381	

Table 8.5.4 Additional Number of Households to be Served in Phase I (Household Toilets) (Cont'd.)

Name of Municipality/City	Area	No. of Household Served in the Based Year				Phase I Coverage (2004)								
		Household Coverage		Household Coverage		Household Coverage		Additional No. of HHs to be Served						
		Flush	Pour Flush	VIP/Dry	Total	Total No. of HHs	Flush	Pour Flush	Total	Flush	Pour Flush	Total	VIP/Dry	Total
Dagami	Urban	219	418		637	888	126	570	14	710		152	14	166
	Rural		2,530		2,530	5,170	388	3,296	194	3,878	388	766	194	1,348
	Total	219	2,948		2,530	6,038	514	3,866	208	4,588	388	918	208	1,514
Dulag	Urban		4,655		4,655	4,949		4,562	93	4,655			93	93
	Rural		2,164		2,164	2,720		2,056	108	2,164			108	108
	Total		6,819		6,819	7,669		6,618	201	6,819			201	201
Hilongos	Urban	1,010	642		1,652	1,768	1,010	609	33	1,652			33	33
	Rural	1,312	4,300	1,136	6,748	9,074	681	5,785	340	6,806	1,485	1,485		1,485
	Total	2,322	4,942	1,136	6,748	10,842	1,691	6,394	373	8,458	1,485	1,485	33	1,518
Hindang	Urban	247	329		576	738	195	383	12	590		54	12	66
	Rural	1,123	1,240		2,363	2,876	1,123	1,122	118	2,363			118	118
	Total	1,370	1,569		2,363	3,614	1,318	1,505	130	2,933		54	130	184
Inopacan	Urban		360		360	499	132	259	8	399	132		8	140
	Rural		2,416		2,416	4,061		2,894	152	3,046		478	152	630
	Total		2,776		2,416	4,560		3,153	160	3,445	132	478	160	770
Isabel	Urban	1,359	912		2,271	3,101	819	1,612	50	2,481		700	50	750
	Rural	3,389	410		3,799	5,757	432	3,670	216	4,318		3,260	216	3,476
	Total	4,748	1,322		3,799	8,858	1,251	5,282	266	6,799		3,960	266	4,226
Jaro	Urban		794		794	1,478	390	768	24	1,182	390		24	414
	Rural		2,933		2,933	5,534		3,943	208	4,151		1,010	208	1,218
	Total		3,727		2,933	7,012		4,711	232	5,333	390	1,010	232	1,632
Javier (Bugho)	Urban		442		442	618	163	321	10	494	163		10	173
	Rural		327	321	648	4,825	362	3,076	181	3,619	362	2,749		3,111
	Total		769	321	648	5,443	525	3,397	191	4,113	525	2,749	10	3,284
Julita	Urban	120	742		862	1,113	294	578	18	890	174		18	192
	Rural		1,216		1,216	2,126		1,515	80	1,595		299	80	379
	Total	120	1,958		1,216	3,239	294	2,093	98	2,485	174	299	98	571
Kananga	Urban	214	867	90	1,171	1,539	406	800	25	1,231	192			192
	Rural	234	4,103	10	4,347	7,637	573	4,869	286	5,728	339	766	276	1,381
	Total	448	4,970	100	4,347	9,176	979	5,669	311	6,959	531	766	276	1,573
La Paz	Urban		711		711	948	250	493	15	758	250		15	265
	Rural		2,373		2,373	3,201		2,281	120	2,401			120	120
	Total		3,084		2,373	4,149		2,774	135	3,159	250		135	385

Table 8.5.4 Additional Number of Households to be Served in Phase I (Household Toilets) (Cont'd)

Name of Municipality/City	Area	No. of Household Served in the Based Year				Phase I Coverage (2004)							
		No. of Household Served in the Based Year				Household Coverage				Additional No. of HHs to be Served			
		Flush	Pour Flush	VIP/Dry	Total	Flush	Pour Flush	VIP/Dry	Total	Flush	Pour Flush	VIP/Dry	Total
Leyte	Urban	72	54	518	644	72	559	13	644		505		505
	Rural	435	318	3,818	4,571	21	4,417	234	4,672		4,099		4,099
	Total	507	372	4,336	4,571	93	4,976	247	5,316		4,604		4,604
MacArthur	Urban	8	453	33	494	218	429	13	660	210			210
	Rural	9	2,213	50	2,272	9	2,811	148	2,968		598		598
	Total	17	2,666	83	2,272	227	3,240	161	3,628	210	598	98	696
Mahaplag	Urban	113	227	113	453	191	375	12	578	78	148		226
	Rural	31	701	313	1,045	31	3,092	164	3,287		2,391		2,391
	Total	144	928	426	1,045	222	3,467	176	3,865	78	2,539		2,617
Matag-ob	Urban	87	351	71	509	240	473	15	728	153	122		275
	Rural	5	2,120	239	2,364	254	2,161	127	2,542	249	41		290
	Total	92	2,471	310	2,364	494	2,634	142	3,270	402	163		565
Matalom	Urban	120	475		595	208	410	13	631	88		13	101
	Rural	64	3,477		3,541	365	3,102	183	3,650	301		183	484
	Total	184	3,952		3,541	573	3,512	196	4,281	389		196	585
Mayorga	Urban		158	157	315	136	268	8	412	136	110		246
	Rural		1,299	157	1,456	1,987	1,415	75	1,490		116		116
	Total		1,457	314	1,456	2,502	136	1,683	83	1,902	136	226	362
Merida	Urban		463		463	241	475	15	731	241	12	15	268
	Rural		3,624		3,624	181	3,444	191	3,816	181		191	372
	Total		4,087		3,624	422	3,919	206	4,547	422	12	206	640
Palo	Urban	3,064			3,064	1,358	2,676	82	4,116		2,676		2,758
	Rural	4,337			4,337	4,337	-217	217	4,337			217	217
	Total	7,401			4,337	5,263	4,337	299	8,453		2,676	299	2,975
Palompon	Urban	262	2,081		2,343	262	2,034	47	2,343			47	47
	Rural	1,628	4,659		6,287	753	6,399	376	7,528		1,740		2,116
	Total	1,890	6,740		6,287	1,015	8,433	423	9,871		1,740		2,163
Pastrana	Urban	37	465		502	37	455	10	502			10	10
	Rural		2,105		2,105		2,000	105	2,105			105	105
	Total	37	2,570		2,105	37	2,455	115	2,607			115	115
San Isidro	Urban		706		706	362	714	22	1,098	362	8	22	392
	Rural		4,185		4,185	5,437	286	5,723		1,252		286	1,538
	Total		4,891		4,185	362	6,151	308	6,821	362	1,260	308	1,930

Table 8.5.4 Additional Number of Households to be Served in Phase I (Household Toilets) (Cont'd.)

Name of Municipality/City	Area	No. of Household Served in the Based Year				Total No. of HHs	Phase I Coverage (2004)							
		Flush	Pour Flush	VIP/Dry	Total		Household Coverage		Additional No. of HHs to be Served					
							Flush	Pour Flush	VIP/Dry	Total	Flush	Pour Flush	VIP/Dry	Total
San Miguel	Urban		558		558	697	547	11	558				11	11
	Rural		1,419		1,419	2,488	1,773	93	1,866		354		93	447
	Total		1,977		1,977	3,185	2,320	104	2,424		354		104	458
Santa Fe	Urban		139		139	481	250	8	385		127		8	246
	Rural		1,980		1,980	2,833	2,019	106	2,125		39		106	145
	Total		2,119		1,980	3,314	2,269	114	2,510		127		114	391
Tabango	Urban		652		652	1,083	563	17	866		286		17	303
	Rural		2,669		2,669	6,126	4,365	230	4,595		1,696		230	1,926
	Total		3,321		2,669	7,209	286	4,928	247	5,461		286		2,229
Tabontabon	Urban	2	391		393	524	273	8	419		136		8	144
	Rural		739		739	1,163	828	44	872		89		44	133
	Total	2	1,130		739	1,687	138	1,101	52	1,291		136		52
Tacloban City (Capital)	Urban	14,397	7,752		22,149	39,474	20,526	632	31,579		12,774		632	13,406
	Rural		273		273	4,758	3,391	178	3,569		3,118		178	3,296
	Total	14,397	8,025		273	44,232	10,421	23,917	810	35,148		15,892		16,702
Tanauan	Urban	63	2,450		2,513	3,097	63	2,400	50	2,513			50	50
	Rural	11	3,878		3,889	6,291	4,72	4,010	236	4,718		461	132	236
	Total	74	6,328		3,889	9,388	535	6,410	286	7,231		461	132	286
Tolosa	Urban	11	209	46	266	353	93	183	6	282		82		82
	Rural	2	1,489	292	1,783	2,727	205	1,738	102	2,045		203		249
	Total	13	1,698	338	1,783	3,080	298	1,921	108	2,327		285		249
Tunga	Urban	294	287		581	830	219	432	13	664			145	158
	Rural	93	357		450	646	49	412	24	485			55	24
	Total	387	644		450	1,476	268	844	37	1,149			200	37
Villaba	Urban		187	165	352	692	183	360	11	554		183	173	356
	Rural		4,630	21	4,651	7,380	554	4,704	277	5,535		554	74	256
	Total		4,817	186	4,651	8,072	737	5,064	288	6,089		737	247	256
Provincial Total	Urban	22,855	45,061		69,126	103,421	23,414	59,101	1,686	84,201		7,001	17,741	1,576
	Rural	12,923	111,111		130,470	220,548	13,398	145,668	8,371	167,437		5,396	36,583	6,988
	Total	35,778	156,172		199,596	323,969	36,812	204,769	10,057	251,638		12,397	54,324	8,564

Table 8.5.5 Additional Number of Households to be Served in Phase II (Household Toilets)

Name of Municipality/City	Area	No. households Served in 2004				Phase II Coverage (2010)								
		Flush	Pour Flush	VIP/Dry	Total	Total No. of HHs	Household Coverage			Additional No. of HHs to be Served				
							Flush	Pour Flush	VIP/Dry	Flush	Pour Flush	VIP/Dry	Total	
Abuyog	Urban		2,219	45	2,264	3,605	1,677	1,631	45	3,353	1,677			1,677
	Rural		5,423	285	5,708	9,675	8,273	8,273	435	8,708		2,850	150	3,000
	Total		7,642	330	7,972	13,280	11,950	9,904	480	12,061	1,677	2,850	150	4,677
Alangalang	Urban	638	1,257	39	1,934	3,726	1,733	1,693	39	3,465	1,095	436		1,531
	Rural	33	5,283	280	5,596	11,300	33	9,628	509	10,170	4,345	229		4,574
	Total	671	6,540	319	7,530	15,026	1,766	11,321	548	13,635	1,095	4,781	229	6,105
Albuera	Urban	399	787	24	1,210	1,939	902	877	24	1,803	503	90		593
	Rural		4,289	226	4,515	7,628	6,522	6,522	343	6,865		2,233	117	2,350
	Total	399	5,076	250	5,725	9,567	902	7,399	367	8,668	503	2,323	117	2,943
Babangon	Urban	411	809	25	1,245	2,339	1,088	1,062	25	2,175	677	253		930
	Rural		2,246	118	2,364	4,603	3,936	4,998	207	4,143		1,690	89	1,779
	Total	411	3,055	143	3,609	6,942	1,038	4,998	232	6,318	677	1,943	89	2,709
Barugo	Urban	346	681	21	1,048	1,935	900	879	21	1,800	554	198		752
	Rural	330	2,804	165	3,299	6,577	592	5,031	296	5,919	262	2,227	131	2,620
	Total	676	3,485	186	4,347	8,512	1,492	5,910	317	7,719	816	2,425	131	3,372
Bato	Urban	105	1,276	28	1,409	1,980	921	892	28	1,841	816			816
	Rural	15	3,520	186	3,721	6,655	15	5,675	300	5,990		2,155	114	2,269
	Total	120	4,796	214	5,130	8,635	936	6,567	328	7,831	816	2,155	114	3,085
Baybay	Urban	1,281	2,523	78	3,882	6,259	2,911	2,832	78	5,821	1,630	309		1,939
	Rural		11,340	597	11,937	18,012	1,621	13,779	811	16,211	1,621	2,439	214	4,274
	Total	1,281	13,863	675	15,819	24,271	4,532	16,611	889	22,032	3,251	2,748	214	6,213
Burauen	Urban	836	1,647	51	2,534	4,642	2,159	2,107	51	4,317	1,323	460		1,783
	Rural	647	5,503	324	6,474	12,033	1,083	9,205	542	10,830	436	3,702	218	4,356
	Total	1,483	7,150	375	9,008	16,675	3,242	11,312	593	15,147	1,759	4,162	218	6,139
Calubian	Urban	35	68	2	105	198	92	90	2	184	57	22		79
	Rural	653	5,548	326	6,527	12,854	1,157	9,854	578	11,509	504	4,286	252	5,042
	Total	688	5,616	328	6,632	13,052	1,249	9,924	580	11,753	561	4,308	252	5,121
Capoocan	Urban		1,053	21	1,074	1,646	766	744	21	1,531	766			766
	Rural	391	3,327	196	3,914	7,291	656	5,578	328	6,562	265	2,251	132	2,648
	Total	391	4,380	217	4,988	8,937	1,422	6,322	349	8,093	1,031	2,251	132	3,414
Carigara	Urban	723	1,424	44	2,191	3,634	1,690	1,646	44	3,380	967	222		1,189
	Rural	539	4,577	269	5,385	9,730	877	7,450	438	8,765	338	2,873	169	3,380
	Total	1,262	6,001	313	7,576	13,373	2,567	9,096	482	12,145	1,305	3,095	169	4,569
Dugami	Urban	126	570	14	710	1,192	555	540	14	1,109	429			429
	Rural	388	3,296	194	3,878	6,612	595	5,058	298	5,951	207	1,762	104	2,073
	Total	514	3,866	208	4,588	7,804	1,150	5,598	312	7,060	636	1,762	104	2,502

Table 8.5.5. Additional Number of Households to be Served in Phase II (Household Toilets) (Cont'd.)

Name of Municipality/City	Area	No. households Served in 2004				Phase II Coverage (2010)											
		Flush		VIP/Dry		Total		Total No. of HHs.		Household Coverage				Additional No. of HHs to be Served			
		Flush	Pour Flush	VIP/Dry	Total	Flush	Total	Flush	Pour Flush	VIP/Dry	Total	Flush	Pour Flush	VIP/Dry	Total		
Dulag	Urban		4,562	93	4,655	6,406	2,979	2,886	93	5,958	2,979				2,979		
	Rural		2,056	108	2,164	3,513	3,004	158	948	50	998				50		
	Total		6,618	201	6,819	9,919	2,979	5,890	251	9,120	2,979	948	50	3,977	50		
Hilongos	Urban	1,010	609	33	1,652	2,394	1,113	1,080	33	2,226	1,03	471			574		
	Rural	681	5,785	340	6,806	11,750	1,058	8,988	529	10,575	377	3,203	189		3,769		
	Total	1,691	6,394	373	8,458	14,144	2,171	10,068	562	12,301	480	3,674	189		4,343		
Hindang	Urban	195	383	12	590	931	433	421	12	866	238	38			276		
	Rural	1,123	1,122	118	2,363	3,355	1,123	1,746	151	3,020	624	624	33		657		
	Total	1,318	1,505	130	2,953	4,286	1,556	2,167	163	3,886	238	662	33		933		
Inopacan	Urban	132	259	8	399	724	337	328	8	673	205	69			274		
	Rural		2,894	152	3,046	5,713	4,885	257	5,142	1,991	105	2,096			2,096		
	Total	132	3,153	160	3,445	6,437	337	5,213	265	5,315	205	2,060	105		2,370		
Isabel	Urban	819	1,612	50	2,481	4,110	1,911	1,861	50	3,322	1,092	249			1,341		
	Rural	432	3,670	216	4,318	7,117	641	5,444	320	6,405	209	1,774	104		2,087		
	Total	1,251	5,282	266	6,799	11,227	2,552	7,305	370	10,227	1,301	2,023	104		3,428		
Jaro	Urban	390	768	24	1,182	1,880	874	850	24	1,748	484	82			566		
	Rural		3,943	208	4,151	6,924	5,920	312	6,232	1,977	104	2,081			2,081		
	Total	390	4,711	232	5,333	8,804	874	6,770	336	7,980	484	2,059	104		2,647		
Javier (Bugho)	Urban	163	321	10	494	930	433	422	10	365	270	101			371		
	Rural	362	3,076	181	3,619	7,193	613	5,537	324	6,474	251	2,461	143		2,855		
	Total	525	3,397	191	4,113	8,123	1,046	5,959	334	7,339	521	2,562	143		3,226		
Julita	Urban	294	578	18	890	1,557	724	706	18	1,448	430	128			558		
	Rural		1,515	80	1,595	3,069	2,624	138	2,762	1,109	58	1,167			1,167		
	Total	294	2,093	98	2,485	4,626	724	3,330	156	4,210	430	1,237	58		1,725		
Kananga	Urban	406	800	25	1,231	2,183	1,015	990	25	2,030	609	190			799		
	Rural	573	4,869	286	5,728	10,682	961	8,172	481	9,614	388	3,303	195		3,886		
	Total	979	5,669	311	6,959	12,865	1,976	9,162	506	11,644	997	3,493	195		4,685		
La Paz	Urban	250	493	15	758	1,403	653	637	15	1,305	403	144			547		
	Rural		2,281	120	2,401	4,597	3,930	207	4,137	1,649	87	1,736			1,736		
	Total	250	2,774	135	3,159	6,000	653	4,567	222	5,442	403	1,793	87		2,283		
Leyte	Urban	72	559	13	644	1,095	509	496	13	1,018	437				437		
	Rural	21	4,417	234	4,672	8,523	21	7,266	384	7,671	21	2,849	150		2,999		
	Total	93	4,976	247	5,316	9,618	530	7,762	397	8,689	437	2,849	150		3,436		

Table 8.5.5 Additional Number of Households to be Served in Phase II (Household Toilets) (Cont'd)

Name of Municipality/City	No. households Served in 2004										Phase II Coverage (2010)									
	Area			Total			Household Coverage			Additional No. of HHs to be Served										
	Flush	Pour Flush	VIP/Dry	Flush	Pour Flush	VIP/Dry	Flush	Pour Flush	VIP/Dry	Flush	Pour Flush	VIP/Dry	Flush	Pour Flush	VIP/Dry	Total				
Misamis Oriental	Urban	218	429	13	660	1,418	646	13	1,319	442	217	659								
	Rural	9	2,811	148	2,968	6,840	9	5,839	308	6,156	3,028	160	3,188							
	Total	227	3,240	161	3,628	8,258	669	6,435	321	7,475	442	3,245	160	3,847						
Misamis Occidental	Urban	191	375	12	578	1,064	495	483	12	990	304	108	412							
	Rural	31	3,092	164	3,287	5,925	31	5,035	267	5,333	1,943	103	2,046							
	Total	222	3,467	176	3,865	6,989	326	5,518	279	6,323	304	2,051	103	2,458						
Misamis Occidental	Urban	240	473	15	728	1,280	595	580	15	1,190	355	107	462							
	Rural	254	2,161	127	2,542	4,691	422	3,589	211	4,222	168	1,428	84	1,680						
	Total	494	2,634	142	3,270	5,971	1,017	4,169	226	5,412	523	1,535	84	2,142						
Misamis Occidental	Urban	208	410	13	631	939	437	423	13	873	229	13	242							
	Rural	365	3,102	183	3,650	6,119	551	4,681	275	5,507	186	1,579	92	1,857						
	Total	573	3,512	196	4,281	7,058	988	5,104	288	6,380	415	1,592	92	2,099						
Misamis Occidental	Urban	136	268	8	412	643	299	291	8	598	163	23	186							
	Rural	136	1,415	75	1,490	2,513	299	2,149	113	2,262	734	38	772							
	Total	272	1,683	83	1,902	3,156	299	2,440	121	2,360	163	757	38	958						
Misamis Occidental	Urban	241	475	15	731	965	449	433	15	897	208	13	208							
	Rural	181	3,444	191	3,816	6,111	181	5,044	275	5,500	1,600	84	1,684							
	Total	422	3,919	206	4,547	7,076	630	5,477	290	6,397	208	1,600	84	1,892						
Misamis Occidental	Urban	1,358	2,676	82	4,116	7,542	3,507	3,425	82	7,014	2,149	749	2,898							
	Rural	4,337	2,217	217	4,337	7,745	4,337	2,285	349	6,971	2,502	132	2,634							
	Total	5,695	2,459	299	8,453	15,287	7,844	5,710	431	13,985	2,149	3,251	132	5,532						
Misamis Occidental	Urban	262	2,034	47	2,343	3,625	1,686	1,638	47	3,371	1,424	200	3,984							
	Rural	753	6,399	376	7,528	12,791	884	10,052	576	11,512	131	3,653	200	3,984						
	Total	1,015	8,433	423	9,871	16,416	2,570	11,690	623	14,883	1,555	3,653	200	5,408						
Misamis Occidental	Urban	37	455	10	502	997	464	453	10	927	427	427	427							
	Rural	37	2,000	105	2,105	4,379	394	3,350	197	3,941	394	1,350	92	1,836						
	Total	74	2,455	115	2,607	5,376	858	3,803	207	4,568	821	1,350	92	2,265						
Misamis Occidental	Urban	362	714	22	1,098	1,756	817	794	22	1,633	455	80	535							
	Rural	5,437	286	286	5,723	10,371	8,867	467	9,334	3,430	181	3,611	181	4,140						
	Total	362	6,151	308	6,821	12,127	817	9,661	489	10,967	455	3,510	181	4,140						

Table 8.5.5 Additional Number of Households to be Served in Phase II (Household Toilets) (Cont'd.)

Name of Municipality/City	Area	No. households Served in 2004				Phase II Coverage (2010)									
		Total		VIP/Dry		Total No. of HHs		Household Coverage				Additional No. of HHs to be Served			
		Flush	Pour Flush	VIP/Dry	Total	Flush	Pour Flush	Flush	Pour Flush	VIP/Dry	Total	Flush	Pour Flush	VIP/Dry	Total
San Miguel	Urban		547	11	558	949	442	430	11	883	442				442
	Rural		1,773	93	1,866	3,521		3,011	158	3,169			1,238	65	1,303
	Total		2,320	104	2,424	4,470	442	3,441	169	4,052	442		1,238	65	1,743
Santa Fe	Urban	127	250	8	385	704	328	319	8	655	201		68	80	270
	Rural		2,019	106	2,125	4,140	328	3,540	186	3,726	201		1,521	80	1,601
	Total	127	2,269	114	2,510	4,844	656	638	17	1,311	370		1,590	80	1,871
Tabango	Urban	286	563	17	866	1,410	656	638	17	1,311	370		75	445	
	Rural		4,365	230	4,595	8,161		6,978	367	7,345			2,613	137	2,750
	Total	286	4,928	247	5,461	9,571	656	7,616	384	8,656	370		2,688	137	3,195
Tabontabon	Urban	138	273	8	419	676	315	306	8	629	177		33	22	451
	Rural		828	44	872	1,470		1,257	66	1,323			429	22	451
	Total	138	1,101	52	1,291	2,146	315	1,563	74	1,952	177		462	22	661
Taaloban City (Capital)	Urban	10,421	20,526	632	31,579	66,954	31,134	30,501	632	62,267	20,713		9,975	179	3,561
	Rural		3,391	178	3,569	7,922		6,773	357	7,130			3,382	179	3,429
	Total	10,421	23,917	810	35,148	74,876	31,134	37,274	989	69,397	20,713		13,357	179	3,429
Tanauan	Urban	63	2,400	50	2,513	4,233	1,969	1,918	50	3,937	1,906				1,906
	Rural	472	4,010	236	4,718	8,012	721	6,129	361	7,211	249		2,119	125	2,493
	Total	535	6,410	286	7,231	12,245	2,690	8,047	411	11,148	2,155		2,119	125	4,399
Tolosa	Urban	93	183	6	282	460	214	208	6	428	121		25		146
	Rural	205	1,738	102	2,045	3,460	311	2,647	156	3,114	106		909	54	1,069
	Total	298	1,921	108	2,327	3,920	525	2,855	162	3,542	227		934	54	1,215
Tunga	Urban	219	432	13	664	1,621	754	741	13	1,508	535		309		844
	Rural	49	412	24	485	1,189	107	909	54	1,070	58		497	30	535
	Total	268	844	37	1,149	2,810	861	1,650	67	2,578	593		806	30	1,429
Villafla	Urban	183	360	11	554	922	429	417	11	857	246		57		303
	Rural	554	4,704	277	5,535	9,555	600	7,570	430	8,600	46		2,866	153	3,065
	Total	737	5,064	288	6,089	10,477	1,029	7,987	441	9,457	292		2,923	153	3,268
Provincial Total	Urban	23,414	59,101	1,686	84,201	154,866	72,025	70,314	1,686	144,025	48,811		15,302		63,913
	Rural	13,398	145,668	8,371	167,437	300,330	19,594	237,190	13,519	270,303	6,196		91,522	5,148	102,866
	Total	36,812	204,769	10,057	251,638	455,196	91,619	307,504	15,205	414,328	54,807		106,824	5,148	166,779

Table 8.5.6 Additional Number of Public School Students to be Served in Phases I and II (School Toilets)

Name of Municipality/City	Std. No. of Public School Student that can be Served in the Base Year (1998)	Projected Number of Public School Student in 2004	Phase I Coverage (2004)		Projected Number of Public School Students in 2010	Phase II Coverage (2010)	
			Public School Students Coverage	Additional No. of Public School Student to be Served		Public School Students Coverage	Additional No. of Public School Students to be Served
Abuyog	3,200	11,622	7,096	3,896	13,376	12,038	4,942
Alangalang	6,360	7,941	6,360		11,060	9,954	3,594
Albuera	4,080	8,790	7,027	2,947	9,444	8,500	1,473
Babamgon	2,120	6,481	4,292	2,172	7,366	6,629	2,337
Barugo	560	7,388	3,037	2,477	8,602	7,742	4,705
Bato	4,320	8,368	7,192	2,872	8,996	8,096	904
Baybay	5,560	20,382	12,392	6,832	23,804	21,424	9,032
Burauen	8,905	11,026	8,905		13,914	12,523	3,618
Calibisan	5,360	7,929	7,929	2,369	11,038	9,934	2,005
Canocan	4,320	6,693	6,504	2,244	8,521	7,669	1,105
Cangara	3,786	5,619	5,619	1,833	7,637	6,873	1,254
Dayam	5,760	6,866	5,760		7,647	6,882	1,122
Dulag	2,503	3,717	3,717	1,214	4,988	4,489	772
Hilongos	6,720	9,040	9,040	2,320	10,904	9,814	774
Indang	1,760	3,670	2,991	1,231	4,144	3,730	770
Inopacan	3,320	4,834	4,834	1,314	5,757	5,181	347
Isabel	2,720	9,477	5,897	3,177	10,834	9,751	3,854
Jaro	1,200	8,449	4,032	2,832	8,612	7,751	3,719
Javier (Bugho)	4,160	5,526	4,160		6,908	6,217	2,037
Julita	1,400	3,639	2,619	1,219	4,586	4,127	1,508
Kananga	2,880	8,808	5,833	2,953	10,406	9,365	3,532
La Paz	3,600	5,579	5,471	1,871	6,570	5,913	442
Levie	2,400	10,869	6,037	3,637	11,266	10,139	4,102
MacArthur	1,720	4,890	3,360	1,040	6,822	6,140	2,780
Mahaplag	1,120	6,430	3,276	2,156	7,162	6,446	3,170
Manayob	1,280	4,526	2,797	1,517	5,432	4,889	2,092
Marilom	4,320	6,446	6,481	2,161	7,075	6,368	1,291
Mayorga	640	2,931	1,622	982	3,237	2,913	1,291
Merida	5,224	6,117	5,224		6,868	6,381	957
Palo	1,680	6,946	4,009	2,329	9,666	8,699	4,690
Patampun	2,280	7,275	4,719	2,439	9,791	8,812	4,093
Pastrana	1,080	4,496	2,507	1,507	5,525	4,973	2,466
San Isidro	1,160	7,454	3,658	2,498	9,200	8,280	4,622
San Miguel	2,120	4,391	3,392	1,472	4,880	4,392	800
Sanja Fe	1,920	4,184	3,322	1,402	5,038	4,534	1,212
Tanango	6,733	8,087	6,233		9,157	8,241	1,508
Taroblanon	1,520	2,160	2,160	640	2,323	2,091	
Tasleban Civ. (Capital)	5,760	12,659	10,003	4,243	23,726	21,353	11,350
Tanauan	6,367	7,525	6,367		9,356	8,420	2,053
Tolosa	3,480	4,082	3,480		4,325	3,893	413
Tunga	2,320	2,424	2,320		2,982	2,684	364
Villaba	5,560	8,012	2,452		9,696	8,726	714
Provincial Total	143,598	293,928	220,446	76,848	358,041	323,276	102,512

Table 8.5.7 Additional Number of Public Utilities with Sanitary Toilets in Phase I and II

Name of Municipality/City	Type	Coverage in Base Year (1998)			Phase I Coverage (2004)			Phase I Coverage (2010)		
		No. of PU with Toilets Facilities	No. of PU with Sanitary Toilets	No. of PU with Toilets Facilities	Add'l. No. of Public Utilities with Sanitary Toilets	No. of PU with Sanitary Toilets	No. of PU with Toilets Facilities	Add'l. No. of Public Utilities with Sanitary Toilets	No. of PU with Sanitary Toilets	
Abuyog	Public Market	2	2	2		2	2		2	
	Bus/Jeepney Terminal	3	3	3		3	3		3	
	Parks/Playground	12	12	12		12	12		12	
	Total	17	17	17		17	17		17	
Alangalang	Public Market	3	3	3		3	3		3	
	Bus/Jeepney Terminal									
	Parks/Playground	3	3	3		3	3		3	
	Total	2	2	2		2	2		2	
Albuera	Bus/Jeepney Terminal									
	Parks/Playground	2	2	2		2	2		2	
	Total	2	2	2		2	2		2	
	Public Market	1	1	1		1	1		1	
Babatngon	Bus/Jeepney Terminal	1	1	1		1	1		1	
	Parks/Playground	2	2	2		2	2		2	
	Total	4	4	4		4	4		4	
	Public Market	2	2	2		2	2		2	
Barugo	Bus/Jeepney Terminal	1	1	1		1	1		1	
	Parks/Playground	3	3	3		3	3		3	
	Total	3	3	3		3	3		3	
	Public Market	3	3	3		3	3		3	
Bato	Bus/Jeepney Terminal									
	Parks/Playground	3	3	3		3	3		3	
	Total	6	6	6		6	6		6	
	Public Market	2	2	2		2	2		2	
Baybay	Bus/Jeepney Terminal	5	5	5		5	5		5	
	Parks/Playground	13	13	13		13	13		13	
	Total	2	2	2		2	2		2	
	Public Market	2	2	2		2	2		2	
Buraon	Bus/Jeepney Terminal									
	Parks/Playground	2	2	2		2	2		2	
	Total	2	2	2		2	2		2	

Table 8.S.7 Additional Number of Public Utilities with Sanitary Toilets in Phase I and II (Cont'd.)

Name of Municipality/City	Type	Coverage in Base Year (1998)			Phase I Coverage (2004)			Phase I Coverage (2010)		
		No. of PU with Toilets Facilities	No. of PU with Sanitary Toilets	No. of PU with Toilets Facilities	Add'l. No. of Public Utilities with Sanitary Toilets	No. of PU with Sanitary Toilets	No. of PU with Toilets Facilities	Add'l. No. of Public Utilities with Sanitary Toilets	No. of PU with Sanitary Toilets	
		Calubian	Public Market	1	1	1		1		1
	Bus/Jeepney Terminal									
	Parks/Playground	1	1	1		1		1	1	
	Total	2	2	2		2		2	2	
Capoocan	Public Market									
	Bus/Jeepney Terminal									
	Parks/Playground									
	Total	4	4	4		4		4	4	
Carigara	Public Market	4	4	4		4		4	4	
	Bus/Jeepney Terminal									
	Parks/Playground	4	4	4		4		4	4	
	Total	1	1	1		1		1	1	
Dagami	Public Market	1	1	1		1		1	1	
	Bus/Jeepney Terminal									
	Parks/Playground	1	1	1		1		1	1	
	Total	1	1	1		1		1	1	
Dulag	Public Market	1	1	1		1		1	1	
	Bus/Jeepney Terminal	1	1	1		1		1	1	
	Parks/Playground	1	1	1		1		1	1	
	Total	2	2	2		2		2	2	
	Public Market	3	3	3		3		3	3	
Hilongos	Public Market	11	11	11		11		11	11	
	Bus/Jeepney Terminal	14	14	14		14		14	14	
	Parks/Playground	3	3	3		3		3	3	
	Total	3	3	3		3		3	3	
Hindang	Public Market	2	2	2		2		2	2	
	Bus/Jeepney Terminal	5	5	5		5		5	5	
	Parks/Playground	2	2	2		2		2	2	
	Total	2	2	2		2		2	2	
Inopacan	Public Market	2	2	2		2		2	2	
	Bus/Jeepney Terminal									
	Parks/Playground	2	2	2		2		2	2	
	Total	2	2	2		2		2	2	

Table 8.5.7. Additional Number of Public Utilities with Sanitary Toilets in Phase I and II (Cont'd)

Municipality/City	Type	Coverage in Base Year (1998)				Phase I Coverage (2004)				Phase I Coverage (2010)			
		No. of PU with Toilets Facilities	No. of PU with Sanitary Toilets	No. of PU with Toilets Facilities	Add'l. No. of Public Utilities with Sanitary Toilets	No. of PU with Toilets Facilities	Add'l. No. of Public Utilities with Sanitary Toilets	No. of PU with Sanitary Toilets	No. of PU with Toilets Facilities	Add'l. No. of Public Utilities with Sanitary Toilets	No. of PU with Sanitary Toilets	No. of PU with Toilets Facilities	Add'l. No. of Public Utilities with Sanitary Toilets
Isabel	Public Market	2	1	2	1	2	2	2					
	Bus/Jeepney Terminal	1	1	1		1	1	1					1
	Parks/Playground	1	1	1		1	1	1					1
	Total	4	3	4	1	4	4	4					4
Jaro	Public Market	1	1	1		1	1	1					1
	Bus/Jeepney Terminal												
	Parks/Playground												
	Total	1	1	1		1	1	1					1
Javier (Bugho)	Public Market	2	2	2		2	2	2					2
	Bus/Jeepney Terminal												
	Parks/Playground												
	Total	2	2	2		2	2	2					2
Julita	Public Market												
	Bus/Jeepney Terminal												
	Parks/Playground												
	Total												
Kananga	Public Market	3	3	3		3	3	3					3
	Bus/Jeepney Terminal	3	3	3		3	3	3					3
	Parks/Playground	19	17	19	2	19	19	19					19
	Total	25	23	25	2	25	25	25					25
La Paz	Public Market	1	1	1		1	1	1					1
	Bus/Jeepney Terminal	1	1	1		1	1	1					1
	Parks/Playground	6	6	6		6	6	6					6
	Total	8	8	8		8	8	8					8
Leyte	Public Market	1	1	1		1	1	1					1
	Bus/Jeepney Terminal	1	1	1		1	1	1					1
	Parks/Playground	2	2	2		2	2	2					2
	Total	2	2	2		2	2	2					2
MacArthur	Public Market	2	2	2		2	2	2					2
	Bus/Jeepney Terminal												
	Parks/Playground												
	Total	2	2	2		2	2	2					2

Table 8.5.7 Additional Number of Public Utilities with Sanitary Toilets in Phase I and II (Cont'd.)

Name of Municipality/City	Type	Coverage in Base Year (1998)			Phase I Coverage (2004)			Phase I Coverage (2010)		
		No. of PU with Toilets Facilities	No. of PU with Sanitary Toilets	No. of PU with Toilets Facilities	Add'l. No. of Public Utilities with Sanitary Toilets	No. of PU with Sanitary Toilets	No. of PU with Toilets Facilities	Add'l. No. of Public Utilities with Sanitary Toilets	No. of PU with Sanitary Toilets	
Mahaplag	Public Market	1	1	1		1	1		1	
	Bus/Jeepney Terminal	1	1	1		1	1		1	
	Parks/Playground									
	Total	2	2	2		2	2		2	
Matag-ob	Public Market	1	1	1		1	1		1	
	Bus/Jeepney Terminal	1	1	1		1	1		1	
	Parks/Playground									
	Total	2	2	2		2	2		2	
Matalom	Public Market	2	2	2		2	2		2	
	Bus/Jeepney Terminal	2	2	2		2	2		2	
	Parks/Playground									
	Total	2	2	2		2	2		2	
Mayorga	Public Market	1	1	1		1	1		1	
	Bus/Jeepney Terminal									
	Parks/Playground									
	Total	1	1	1		1	1		1	
Merida	Public Market	5	5	5		5	5		5	
	Bus/Jeepney Terminal									
	Parks/Playground									
	Total	5	5	5		5	5		5	
Palo	Public Market	1	1	1		1	1		1	
	Bus/Jeepney Terminal									
	Parks/Playground									
	Total	1	1	1		1	1		1	
Pulompon	Public Market									
	Bus/Jeepney Terminal									
	Parks/Playground	53	53	53		53	53		53	
	Total	53	53	53		53	53		53	
Pastrana	Public Market	2	2	2		2	2		2	
	Bus/Jeepney Terminal	2	2	2		2	2		2	
	Parks/Playground									
	Total	4	4	4		4	4		4	

Table 8.5.7 Additional Number of Public Utilities with Sanitary Toilets in Phase I and II (Cont'd.)

Name of Municipality/City	Type	Coverage in Base Year (1998)				Phase I Coverage (2004)				Phase I Coverage (2010)				
		No. of PU with Toilets Facilities	No. of PU with Sanitary Toilets	No. of PU with Toilets Facilities	Add'l. No. of Public Utilities with Sanitary Toilets	No. of PU with Toilets Facilities	No. of PU with Sanitary Toilets	Add'l. No. of Public Utilities with Sanitary Toilets	No. of PU with Toilets Facilities	Add'l. No. of Public Utilities with Sanitary Toilets	No. of PU with Toilets Facilities	No. of PU with Sanitary Toilets	Add'l. No. of Public Utilities with Sanitary Toilets	
San Isidro	Public Market	1	1	1										
	Bus/Jeepney Terminal													
	Parks/Playground	16	16	16										16
	Total	17	17	17										17
San Miguel	Public Market	1	1	1										
	Bus/Jeepney Terminal													
	Parks/Playground	1	1	1										1
	Total	1	1	1										1
Santa Fe	Public Market	1	1	1										
	Bus/Jeepney Terminal													
	Parks/Playground	1	1	1										1
	Total	1	1	1										1
Tabango	Public Market													
	Bus/Jeepney Terminal	2	2	2										2
	Parks/Playground	2	2	2										2
	Total	2	2	2										2
Tabontabon	Public Market	1	1	1										
	Bus/Jeepney Terminal													
	Parks/Playground	1	1	1										1
	Total	1	1	1										1
Taaloban City (Capital)	Public Market	4	4	4										4
	Bus/Jeepney Terminal	2	2	2										2
	Parks/Playground	2	2	2										2
	Total	8	8	8										8
Tanauan	Public Market	4	4	4										4
	Bus/Jeepney Terminal													
	Parks/Playground	1	1	1										1
	Total	5	5	5										5
Tolosa	Public Market	1	1	1										
	Bus/Jeepney Terminal													
	Parks/Playground	1	1	1										1
	Total	1	1	1										1

Table 8.5.7 Additional Number of Public Utilities with Sanitary Toilets in Phase I and II (Cont'd.)

Name of Municipality/City	Type	Coverage in Base Year (1998)			Phase I Coverage (2004)			Phase I Coverage (2010)		
		No. of PU with Toilets Facilities	No. of PU with Sanitary Toilets	No. of PU with Toilets Facilities	Add'l. No. of Public Utilities with Sanitary Toilets	No. of PU with Sanitary Toilets	No. of PU with Toilets Facilities	Add'l. No. of Public Utilities with Sanitary Toilets	No. of PU with Sanitary Toilets	
Tunga	Public Market	1	1	1					1	
	Bus/Jeepney Terminal									
	Parks/Playground									
	Total	1	1	1					1	
Villaba	Public Market	5	5	5					5	
	Bus/Jeepney Terminal	1	1	1					1	
	Parks/Playground	1	1	1					1	
	Total	7	7	7					7	
Provincial Total	Public Market	80	79	80	1	80	80	1	80	
	Bus/Jeepney Terminal	23	23	23		23	23		23	
	Parks/Playground	132	130	132	2	132	132	2	132	
	Total	235	232	235	3	235	235	3	235	

8.6 Facilities, Equipment and Rehabilitation Required to Meet the Target Services

8.6.1 Water Supply

(1) Required water supply facilities

Urban water supply:

Urban water supply facilities required by target year shown in Table 8.6.1 were estimated as the required number of house connections based on the additional service coverage.

As reference, the following requirements were also estimated:

- daily average water demand at 100 lpcd consumption rate, and
- number of deep wells to meet the daily maximum water demand based on the groundwater productivity.

(daily maximum water demand = 1.3 x daily average water demand)

Information pertaining to the expansion plan of Level III systems was arranged to be indicated in Table 8.6.1 and details presented in Table 8.6.2, however, required data were not available during this PW4SP preparation.

Rural water supply:

Rural water supply facilities required by target year shown in Table 8.6.3(a) were estimated as the number of Level II systems with number of communal faucets and the number of Level I wells broken-down to deep and shallow wells. Sixty six (66) untapped springs suitable for Level II system were confirmed during this PW4SP preparation.

(2) Required well drilling and rehabilitation equipment

Presently, the DPWII-1st DEO (in Palo) has one unit of truck-mounted percussion drilling rig applicable for deep well (10" of bit diameter and 500 ft. of depth) and one unit of rotary type drilling rig (4" of bit diameter and 100 ft. of depth). While 5th DEO (in Baybay) has one unit of truck-mounted percussion drilling rig (8" of bit diameter and 300 ft. of depth). These two units of percussion type drilling rigs were granted by the Japanese government. Other 3 DEOs have no drilling rig at present.

Taking into account of the existing equipment, the number of required equipment is estimated as described below.

Applicable type of well drilling equipment is determined considering the geological formation of the province, the easiness to technically operate. Both types of percussion and rotary are suitable for the soft and hard formations, and the percussion type can be easily operated and maintained without special training to drillers compared with the

Table 8.6.1 Urban Water Supply Facilities Required by Target Year

Municipality/City	Name of Operating Body	Reference on Expansion of Existing Level III System				Phase I (2004) Requirements				Phase II (2010) Requirements			
		Area	No. of Served Barangay	Type of Water Source	Plan for Expansion	Additional Population to be Served	Number of House Connections	Water Demand (m ³ /day)	Spring Dev't./ Deep Well	Additional Population to be Served	Number of House Connections	Water Demand (m ³ /day)	Spring Dev't./ Deep Well
Abuyog	Abuyog WD	Urban	9	DW	No	1,891	372	189	1	2,209	1,802	721	1
		Rural											
		Total	9	4,597									
Alangalang	Not Applicable	Urban	N.A.	N.A.	N.A.	1,696	324	170	1	12,461	3,115	1,246	2
		Rural	N.A.	N.A.	N.A.								
		Total	N.A.	N.A.	N.A.								
Alburera	Not Applicable	Urban	N.A.	N.A.	N.A.	1,002	203	100	1	6,365	1,591	637	1
		Rural	N.A.	N.A.	N.A.								
		Total	N.A.	N.A.	N.A.								
Babatngon	LGU - Babatngon	Urban	4	SP	No	1,104	209	110	1	2,123	531	212	1
		Rural											
		Total	4	5,659									
Barugo	Metro Cangara WD (c)	Urban	8		No	944	176	94	1	3,636	909	364	1
		Rural	5										
		Total	13	4,523									
Bato	Metro Hilongos WD (e)	Urban	1	DW	No	1,012	208	101	1	5,795	1,449	580	1
		Rural											
		Total	1	716									
Baybay	Baybay WD	Urban	23	SP	No					8,766	2,192	877	2
		Rural	15										
		Total	38	24,447									
Burauen	LGU - Burauen WWS	Urban	9	SP	No	2,256	425	226	1	3,608	902	361	1
		Rural	2										
		Total	11	12,942									
Calubian	Calubian WD	Urban	1		No	87	18	9	1	367	92	37	1
		Rural	1										
		Total	2	3,479									
Capiocan	Metro Cangara WD (d)	Urban	2		N.A.	790	166	79	1	4,852	1,213	485	1
		Rural	5										
		Total	7	2,224									
Cangara	Metro Cangara WD (a)	Urban	5	Surf	No	1,793	367	179	1	10,443	2,611	1,044	2
		Rural	14										
		Total	19	6,072									
Dagami	Leyte Metro WD (d)	Urban	1		N.A.					4,403	1,101	440	1
		Rural	8										
		Total	9	3,270									

Table 8.6.1 Urban Water Supply Facilities Required by Target Year (Cont'd)

Municipality/City	Name of Operating Body	Reference on Expansion of Existing Level III System				Phase I (2004) Requirements				Phase II (2010) Requirements				
		Area	Coverage in 1998		Type of Water Source	Plan for Expansion	Additional Population to be Served	Number of House Connections	Daily Average Water Demand (m ³ /day)	Number of Spring Dev't./Deep Well	Additional Population to be Served	Number of House Connections	Daily Average Water Demand (m ³ /day)	Number of Spring Dev't./Deep Well
			No. of Barangays Served	Served Population										
Dulag	LGU - Dulag	Urban	1	253	DW	No	3,293	664	329	1	20,796	5,199	2,080	3
		Rural	1	253										
		Total	2	506										
Hilongos	Metro Hilongos WD (a)	Urban	1	1,472	DW	No	1,242	237	124	1	6,583	1,596	638	1
		Rural	2	4,795										
		Total	3	6,267										
Hindang	Metro Hilongos WD (b)	Urban	1	2,213	N.A.	N.A.					1,324	331	132	1
		Rural	1	2,213										
		Total	2	4,426										
Inopacan	Not Applicable	Urban	N.A.	N.A.	N.A.	N.A.	347	67	35	1	2,405	601	241	1
		Rural	N.A.	N.A.										
		Total												
Isabel	Isabel WD	Urban	3	2,646	DW	No	2,042	416	204	1	10,928	2,732	1,093	2
		Rural	5	4,104										
		Total	8	6,750										
Jaro	Jaro WD	Urban	4	3,428	DW	No	990	198	99	1	2,725	681	273	1
		Rural	4	3,428										
		Total	8	6,856										
Javier (Bugho)	LGU - Javier	Urban	2	826	SP	No	428	83	43	1	2,280	570	228	1
		Rural	3	613										
		Total	5	1,439										
Julita	Not Applicable	Urban	N.A.	N.A.	N.A.	N.A.	702	149	70	1	5,214	1,304	521	1
		Rural	N.A.	N.A.										
		Total												
Kananga	LGU - Kananga WS	Urban	1	7,140		No					1,154	289	115	1
		Rural	1	1,913										
		Total	2	9,053										
La Paz	Not Applicable	Urban	N.A.	N.A.	N.A.	N.A.	652	127	65	1	4,678	1,170	468	1
		Rural	N.A.	N.A.										
		Total												
Leyte	LGU - Leyte	Urban	1	786	SP	No	566	99	57	1	2,809	702	281	1
		Rural	1	21										
		Total	2	807										
MacArthur	Not Applicable	Urban	N.A.	N.A.	N.A.	N.A.	584	111	58	1	4,803	1,201	480	1
		Rural	N.A.	N.A.										
		Total												

Table 8.6.1 Urban Water Supply Facilities Required by Target Year (Cont'd)

Name of Municipality/City	Reference on Expansion of Existing Level III System				Phase I (2004) Requirements				Phase II (2010) Requirements					
	Name of Operating Body	Area	Coverage in 1998		Type of Water Source	Plan for Expansion	Additional Population to be Served	Number of House Connections	Daily Average Water Demand (m ³ /day)	Spring Dev'./ Deep Well	Additional Population to be Served	Number of House Connections	Daily Average Water Demand (m ³ /day)	Spring Dev'./ Deep Well
			No. of Barangay Served	Served Population										
Mahaplag	Not Applicable	Urban	N.A.	N.A.	N.A.	N.A.	542	97	54	1	3,499	875	350	1
		Rural	N.A.	N.A.										
		Total												
Matang-ob	LGU - Matang-ob WS	Urban	3	386		No	611	122	61	1	3,868	967	387	1
		Rural	4	1,435										
		Total	7	1,821										
Matalom	Matalom WS	Urban	3	3,020	SP	No					712	178	71	1
		Rural	3	3,537										
		Total	6	6,557										
Mayonga	Not Applicable	Urban	N.A.	N.A.	N.A.	N.A.	331	69	33	1	2,113	528	211	1
		Rural	N.A.	N.A.										
		Total												
Merida	LGU - Merida	Urban	1	528		No	488	123	49	1	786	197	79	1
		Rural	1	504										
		Total	2	1,032										
Merida WD		Urban	1	1,863		No								
		Rural	1	145										
		Total	2	2,008										
Municipal Total		Urban	2	2,391										
		Rural	2	181										
		Total	4	2,572										
Palo	Leyte Metro WD (b)	Urban	11	17,659		N.A.					11,000	2,750	1,100	2
		Rural												
		Total	11	17,659										
Palompon	Palompon WD	Urban	10	3,050	DW/SP	No	1,767	370	177	1	8,959	2,240	896	2
		Rural	3	884										
		Total	13	3,934										
Pastrana	Leyte Metro WD (c)	Urban	1	86		N.A.	461	83	46	1	3,241	810	324	1
		Rural	3	2,150										
		Total	4	2,236										
San Isidro	Not Applicable	Urban	N.A.	N.A.	N.A.	N.A.	818	184	82	1	5,853	1,463	585	1
		Rural	N.A.	N.A.										
		Total												
San Miguel	Not Applicable	Urban	N.A.	N.A.	N.A.	N.A.	473	93	47	1	3,154	784	313	1
		Rural	N.A.	N.A.										
		Total												

Table 8.6.1 Urban Water Supply Facilities Required by Target Year (Cont'd)

Name of Municipality/City	References on Expansion of Existing Level III System				Phase I (2004) Requirements				Phase II (2010) Requirements					
	Name of Operating Body	Area	Coverage in 1998		Type of Water Source	Plan for Expansion	Additional Population to be Served	Number of House Connections	Water Demand (m ³ /day)	Number of Spring Dev't./ Deep Well	Additional Population to be Served	Number of House Connections	Water Demand (m ³ /day)	Number of Spring Dev't./ Deep Well
			No. of Barangay Served	Served Population										
Santa Fe	Not Applicable	Urban	N.A.	N.A.	N.A.	N.A.	64	33	1	2,344	586	234	1	
		Rural	N.A.	N.A.										
		Total												
Tabango	Not Applicable	Urban	N.A.	N.A.	N.A.	N.A.	145	71	1	4,649	1,162	465	1	
		Rural	N.A.	N.A.										
		Total												
Tabonabon	Leyte Metro WD (f)	Urban	1	188		N.A.	70	35	1	2,034	509	203	1	
		Rural												
		Total	1	188										
Tacloban City (Capital)	Leyte Metro WD (a)	Urban	72	160,163	Surf	No	5,295	2,875	4	65,507	16,377	6,551	9	
		Rural												
		Total	72	160,163										
Tanauan	Leyte Metro WD (c)	Urban	1	143		N.A.	415	213	1	13,812	3,453	1,381	2	
		Rural	5	3,575										
		Total	6	3,718										
Tolosa	Leyte Metro WD (g)	Urban	2	1,635		No				114	29	11	1	
		Rural	4	3,383										
		Total	6	5,018										
Tunga	Metro Canggara WD (h)	Urban	4	1,638		N.A.	111	71	1	3,815	954	382	1	
		Rural	3	1,154										
		Total	7	2,792										
Villaba	Hinabuyan	Urban	1	600	SP	No	93	46	1	1,439	360	144	1	
		Rural	1	600										
		Total	2	1,200										
Pop. Del Norte		Urban	1	929	SP	No								
		Rural	1	929										
		Total	2	1,858										
Pop. Del Sur		Urban	1	671	SP	No								
		Rural	1	671										
		Total	2	1,342										
Municipal Total		Urban	189	253,870										
		Rural	100	53,133										
		Total	289	307,003										
Provincial Total		Urban	189	253,870			11,953	6,234	38	272,400	68,106	27,241	59	
		Rural	100	53,133										
		Total	289	307,003										

Table 8.6.2 Plan for Expansion of Existing Level III Systems

Name of Municipality	Name of Operating Body	Additional Areas Barangay to be Covered	Additional Population to be Served	Additional Water Sources	
				Type	Capacity (m ³ /day)
Abuyog	Abuyog WD				
Babatngon	LGU - Babatngon				
Barugo	Metro Cangara WD (c)				
Bato	Metro Hilongos WD (c)				
Baybay	Baybay WD				
Burauen	LGU - Burauen WWS				
Calubian	Calubian WD				
Canigara	Metro Canigara WD (a)				
Dulag	LGU - Dulag				
Hilongos	Metro Hilongos WD (a)				
Isabel	Isabel WD				
Jaro	Jaro WD				
Javier (Bugho)	LGU - Javier				
Kananga	LGU - Kananga WS				
Leyte	LGU - Leyte				
Matag-ob	LGU - Matag-ob WS				
Matalom	Matalom WS				
Merida	LGU - Merida				
	Merida WD				
	Municipal Total				
Palompon	Palompon WD				
Tacloban City (Capital)	Leyte Metro WD (a)				
Tolosa	Leyte Metro WD (g)				
Villaba	Hinabuyan				
	Pob. Del Norte				
	Pob. Del Sur				
	Municipal Total				

Table 8.6.3(a) Rural Water Supply Facilities Required by Target Year

Name of Municipality/City	Phase I (2004) Requirements										Phase II (2010) Requirements									
	Level II					Level I					Level I					Level I				
	Number of System	No. of Communal Faucets	Number of Deep Wells			No. of Shallow Wells	Total	Number of Deep Wells			Sub-total	No. of Shallow Wells	Total	Number of Deep Wells			Sub-total	No. of Shallow Wells	Total	
			40 m	80 m	120 m			40 m	80 m	120 m				40 m	80 m	120 m				
Abuyog			13	15	34	49				75	75	174	249							
Alamanglang										251	251	27	278							
Albuera			12	12	27	39				46	46	107	153							
Babaukon			8	8	12	20				46	46	69	115							
Baruso			29	29	29	29				198	198	198	198							
Bato	5	97								214	214	214	214							
Bavbov										256	256	28	284							
Buruon	14	169				57				193	193	193	386							
Calibuban							46							308				388		
Capococan										178	178	111	139							
Cangara										126	126	14	140							
Dagami														66				73		
Dulag			17	17	1	18				196	196	21	217							
Hilongos	1	20	47	47	5	52				22	22	14	36							
Hindang										95	95	94	189							
Inopacan	6	80								60	60	90	150							
Isabel										249	249	62	311							
Jaro	1	20	24	24	5	29				87	87	58	145							
Javier (Bugho)										93	93		93							
Jelita			14	14						228	228	56	284							
Kananga										91	91	39	130							
La Paz	19	63								180	180	191	199							
Leyte			36	36	4	40				203	203	50	253							
MacArthur	2	40	10	10	2	12				198	198	21	219							
Mahaplag	2	40	14	14	1	15				13	13	115	128							
Milagrob										137	137	15	152							
Matalom	11	95								38	38	4	42							
Maverga										33	33	74	107							
Merida										72	72	48	120							
Palo			39	39	26	65				305	305	302	607							
Palompon			18	18	18	36				154	154	154	154							
Pastrana										291	291	193	484							
San Isidro			1	1	2	3				25	25	58	83							
San Miguel	2	40	6	6	12	18				33	33	74	107							
Santa Fe										45	45	179	224							
Tabango	3	60	4	4	16	20				49	49	49	99							
Tabontabon			8	8	8	16				25	25	216	241							
Tacloban City (Capital)			37	37	37	74				187	187	20	207							
Tanauan										22	22	22	44							
Tolosa										41	41	41	82							
Tunga			4	4	4	8						148	148							
Villaba										1,759	1,759	198	1,957							
Provincial Total	66	724	273	130	14	423	209	632	3,200	1,759	198	5,157	7,875							

Table 8.6.3(b) Rural Water Supply Facilities Required by Target Year

Name of Municipality/City	Phase I (2004) Requirements										Phase II (2010) Requirements																			
	Percentage Allocated to Public Facility (50%)					Percentage Allocated to Public Facility (50%)					Percentage Allocated to Public Facility (50%)					Percentage Allocated to Public Facility (50%)														
	Percentage Allocated for Public Wells (90%) and Percentage Allocated for Public Spring Development (10%)					Percentage Allocated for Public Wells (90%) and Percentage Allocated for Public Spring Development (10%)					Percentage Allocated for Public Wells (90%) and Percentage Allocated for Public Spring Development (10%)					Percentage Allocated for Public Wells (90%) and Percentage Allocated for Public Spring Development (10%)														
	Number of Deep Wells		No. of Shallow Wells		No. of Spring Dev.	Total	Number of Deep Wells		No. of Shallow Wells		No. of Spring Dev.	Total	Number of Deep Wells		No. of Shallow Wells		No. of Spring Dev.	Total	Number of Deep Wells		No. of Shallow Wells		No. of Spring Dev.	Total						
40 m	80 m	120 m	Sub-total	40 m	80 m	120 m	Sub-total	40 m	80 m	120 m	Sub-total	40 m	80 m	120 m	Sub-total	40 m	80 m	120 m	Sub-total	40 m	80 m	120 m	Sub-total	40 m	80 m	120 m	Sub-total			
Abucog	7		7	15	22	3	25																							
Alangalang								13																						
Alibon	6		6	12	18	2	20																							
Alibonigan	4		4	5	9	1	10																							
Barugo	13		13	13	13	2	15																							
Bato								8																						
Baybay								116																						
Boracay																														
Burauen																														
Calubian																														
Capocoman																														
Carigara																														
Dagami																														
Dulang	21		21	2	23	3	26																							
Hilayes																														
Indangan																														
Inopacan																														
Isabel																														
Jaro	11		11	2	13	2	15																							
Javier (Bugho)																														
Jolita																														
Kananga																														
Lai Paz																														
Leyte	17		17	1	18	2	20																							
MacArthur																														
Mahaplag																														
Mariguab																														
Maramon																														
Mavorya																														
Merida																														
Palo																														
Palompon	18		18	12	30	3	33																							
Pasigana	8		8	9	17	1	18																							
San Isidro																														
San Miguel	1		1	1	2	1	3																							
Santa Fe	3		3	5	8	1	9																							
Tabango																														
Tabonabon	4		4	4	8	4	12																							
Tacloban City (Capital)	2		2	12	14	2	16																							
Tanauan	18		18	1	19	2	21																							
Tolosa																														
Tunga	2		2	2	4	3	7																							
Villaba																														
Provincial Total	128	62	190	89	286	236	522	1,447	798	90	2,335	1,218	3,553	666	3,949															

latter, it is very useful to bores in the boulders or cobbles formations. Thus, the drilling equipment of percussion type is recommendable to be selected in the PW4SP preparation.

Medium size percussion drilling rig (truck-mounted type for deep well):

Average performance

- 1 well/30 days (5 m/day of drilling rate with finishing work)

Annual accomplishment

- 9 wells/year (365 days/year ÷ 30 days/well x 0.75)

Required number

- 5 sets for the total 197 deep wells

Well rehabilitation equipment:

Average performance

- 1 well/7 days (well redevelopment and finishing work)

Annual accomplishment

- 39 wells/year (365 days/year ÷ 7 days/well x 0.75)

Required number

- 1 set for 10% of 197 Level I deep wells

Support vehicle:

Type - pick-up truck with winch, double cab

Required number

- 1 unit for well rehabilitation

Considering the utilization of existing percussion/rotary drilling rigs, it is necessary for the province to procure/mobilize 2 units of medium size percussion rig for the medium-term development plan. Likewise the following equipment shall be considered for medium-term development plan to meet the physical targets:

- 1 set of well rehabilitation equipment for 10% of deep wells (at least 1 set shall be held by the provincial government); and
- 1 unit of support vehicle for well rehabilitation.

In addition to the above, one unit each of service truck equipped with crane is required for a percussion rig for hauling drilling tools and water for long-term plan.

8.6.2 Sanitation

Table 8.6.4 Urban Household Toilets Required by Target Year

Municipality/City	Phase I (2004) Requirements						Phase II (2010) Requirements					
	Additional HHs to be Served			No. of HHs to be Served			Additional HHs to be Served			No. of HHs to be Served		
	Flush	Pour Flush	VIP/Drv	Flush	Pour Flush	VIP/Drv	Flush	Pour Flush	VIP/Drv	Flush	Pour Flush	VIP/Drv
Abuyog			45			45			45			1,677
Alangalang	609		34	643	609	34	643	1,095	436	1,095	436	1,531
Albuera	399		24	423	399	24	423	503	90	503	90	593
Bababgon	411		25	436	411	25	436	677	253	677	253	930
Barugo	103		21	124	103	21	124	554	198	554	198	752
Bato			28		28	28		816		816		816
Baybay	1,046		78	1,124	1,046	78	1,124	1,630	309	1,630	309	1,939
Buraen	836		51	887	836	51	887	1,323	460	1,323	460	1,783
Calubian	10	42		52	10	42	52	57	22	57	22	79
Capootan			21		21	21		766		766		766
Carigara	204	9	44	257	204	9	257	967	222	1,189	967	1,189
Dagami	152	14	166		152	14	166	429		429		429
Dulag			93		93	93		2,979		2,979		2,979
Hilongos			33		33	33		103		103		103
Hindang			54		54	54		238		238		238
Inopacan	132	700	50	750		700	50	1,092	249	1,341	1,092	249
Isabel			81		81	81		434		434		434
Jaro	390		24	414	390	24	414	82		82		82
Javier (Bugho)	163		10	173	163	10	173	270		270		270
Julita	174		18	192	174	18	192	430		430		430
Kananga	192		15	207	192	15	207	609		609		609
La Paz	250		15	265	250	15	265	403		403		403
Leyte			505		505	505		437		437		437
MacArthur	210		210		210	210		442		442		442
Mahaplag	78		226		226	226		304		304		304
Matag-ob	153		122		122	122		355		355		355
Matalom	88		13	101	88	13	101	229		229		229
Mayorga	136		110		110	110		163		163		163
Merida	241		15	256	241	15	256	208		208		208
Palo			82		82	82		749		749		749
Palompon			47		47	47		1,424		1,424		1,424
Pastrana			10		10	10		427		427		427
San Isidro	362		8	370	362	8	370	455		455		455
San Miguel			11		11	11		442		442		442
Santa Fe	127		8	135	127	8	135	201		201		201
Tabang	286		17	303	286	17	303	370		370		370
Tabontaban	136		8	144	136	8	144	177		177		177
Tacloban City (Capital)			632		632	632		9,975		9,975		9,975
Tanauan			50		50	50		1,906		1,906		1,906
Tolosa	82		82		82	82		121		121		121
Tunga	183		13	196	183	13	196	535		535		535
Villaba			356		356	356		246		246		246
Provincial Total	7,601	17,741	1,576	26,318	7,001	17,741	1,576	48,611	15,302	63,913	48,611	15,302

Table 8.6.5 Rural Household Toilets Required by Target Year

Name of Municipality/City	Phase I (2004) Requirements						Phase II (2010) Requirements					
	Additional HHs to be Served			No. of HHs to be Served			Additional HHs to be Served			No. of HHs to be Served		
	Flush	Pour Flush	VIP/ Dry	Flush	Pour Flush	VIP/ Dry	Flush	Pour Flush	VIP/ Dry	Flush	Pour Flush	VIP/ Dry
Abuyog	915	285	1,200	915	285	1,200	2,850	150	3,000	2,850	150	3,000
Alangalang	1,847	216	2,063	1,847	216	2,063	4,345	229	4,574	4,345	229	4,574
Albarea	313	220	539	313	220	539	2,233	117	2,350	2,233	117	2,350
Babatngon	593	118	711	593	118	711	1,690	89	1,779	1,690	89	1,779
Barugo	165	1,103	1,268	165	1,103	1,268	2,227	131	2,358	2,227	131	2,358
Bato	877	186	1,063	877	186	1,063	2,155	114	2,269	2,155	114	2,269
Bohay	597	597	1,194	597	597	1,194	1,621	214	1,835	1,621	214	1,835
Burauen	647	324	971	647	324	971	436	3,702	218	4,356	436	3,702
Calubian	640	1,534	2,174	640	1,534	2,174	504	4,286	252	5,042	504	4,286
Capoocan	391	1,205	1,596	391	1,205	1,596	265	2,251	132	2,648	265	2,251
Carigara	515	1,340	1,855	515	1,340	1,855	338	2,873	169	3,380	338	2,873
Dagami	388	766	1,154	388	766	1,154	207	1,762	104	2,073	207	1,762
Dabog	108	108	216	108	108	216	948	50	998	948	50	998
Hilongos	1,485	118	1,603	1,485	118	1,603	377	3,203	189	3,769	377	3,203
Hindang	478	152	630	478	152	630	1,991	105	2,096	1,991	105	2,096
Inopacan	3,260	216	3,476	3,260	216	3,476	209	1,774	104	2,087	209	1,774
Isabel	1,010	208	1,218	1,010	208	1,218	1,977	104	2,081	1,977	104	2,081
Jaro	362	2,749	3,111	362	2,749	3,111	251	2,461	143	2,855	251	2,461
Javier (Bugho)	299	80	379	299	80	379	1,109	58	1,167	1,109	58	1,167
Julita	339	766	1,105	339	766	1,105	388	3,303	195	3,886	388	3,303
Kananga	120	120	240	120	120	240	1,649	87	1,736	1,649	87	1,736
La Paz	4,099	4,099	8,198	4,099	4,099	8,198	2,849	150	2,999	2,849	150	2,999
Leyte	598	98	696	598	98	696	3,023	160	3,183	3,023	160	3,183
MacArthur	2,391	2,391	4,782	2,391	2,391	4,782	1,943	103	2,046	1,943	103	2,046
Maraplag	249	41	290	249	41	290	168	1,428	84	1,680	168	1,428
Matay-ob	301	183	484	301	183	484	186	1,579	92	1,857	186	1,579
Matalom	116	116	232	116	116	232	734	38	772	734	38	772
Mayoyog	191	372	563	191	372	563	1,600	84	1,684	1,600	84	1,684
Merida	217	217	434	217	217	434	2,502	132	2,634	2,502	132	2,634
Palo	376	216	592	376	216	592	131	3,653	200	3,984	131	3,653
Palompon	105	105	210	105	105	210	394	1,350	92	1,836	394	1,350
Pasirana	1,252	286	1,538	1,252	286	1,538	3,430	181	3,611	3,430	181	3,611
San Isidro	354	447	801	354	447	801	1,238	65	1,303	1,238	65	1,303
San Miguel	39	106	145	39	106	145	1,521	80	1,601	1,521	80	1,601
Santa Fe	1,696	210	1,906	1,696	210	1,906	2,613	137	2,750	2,613	137	2,750
Tabango	89	44	133	89	44	133	429	22	451	429	22	451
Tabontabon	3,118	178	3,296	3,118	178	3,296	3,382	179	3,561	3,382	179	3,561
Tacloban City (Capita)	461	132	593	461	132	593	249	2,119	125	2,493	249	2,119
Tanauan	203	249	452	203	249	452	106	909	54	1,069	106	909
Tolosa	55	24	79	55	24	79	497	30	585	497	30	585
Tunga	74	256	330	74	256	330	2,866	153	3,065	2,866	153	3,065
Villaba	5,396	36,583	41,979	5,396	36,583	41,979	6,196	91,522	5,148	102,840	6,196	91,522
Provincial Total	5,396	36,583	41,979	5,396	36,583	41,979	6,196	91,522	5,148	102,840	6,196	91,522

Table 8.6.6 Public School Toilets Required by Target Year

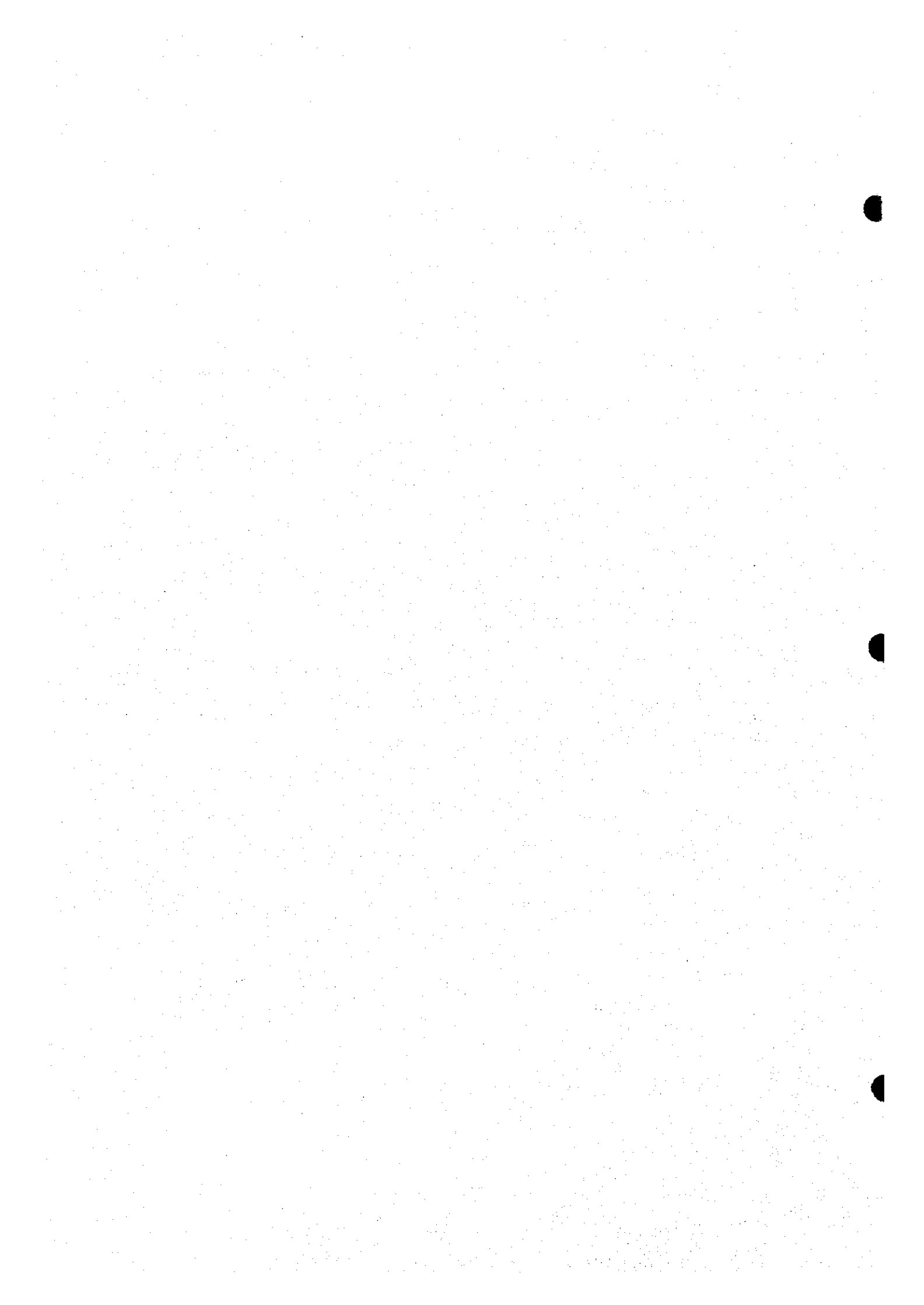
Name of Municipality/City	Phase I (2004) Requirements			Phase II (2010) Requirements		
	Additional Public School Students to be Served	No. of Toilet Unit	No. of Toilet Facilities	Additional Public School Students to be Served	No. of Toilet Unit	No. of Toilet Facilities
Abuyog	3,896	98	20	4,942	124	25
Alangalang				3,594	90	18
Albuera	2,947	74	15	1,473	37	8
Babatngon	2,172	55	11	2,337	59	12
Barugo	2,477	62	13	4,705	118	24
Bato	2,872	72	15	904	23	5
Baybay	6,832	171	35	9,032	226	46
Burauen				3,618	91	19
Calubian	2,369	60	12	2,005	51	11
Capoocan	2,244	57	12	1,105	28	6
Carigara	1,833	46	10	1,254	32	7
Dagami				1,122	29	6
Dulag	1,214	31	7	772	20	4
Hilongos	2,320	58	12	774	20	4
Hindang	1,231	31	7	739	19	4
Inopacan	1,314	33	7	347	9	2
Isabel	3,177	80	16	3,854	97	20
Jaro	2,832	71	15	3,719	93	19
Javier (Bugho)				2,057	52	11
Julita	1,219	31	7	1,508	38	8
Kananga	2,953	74	15	3,532	89	18
La Paz	1,871	47	10	442	12	3
Leyte	3,637	91	19	4,102	103	21
MacArthur	1,640	41	9	2,780	70	14
Mahaplag	2,156	54	11	3,170	80	16
Matag-ob	1,517	38	8	2,092	53	11
Matalom	2,161	55	11			
Mayorga	982	25	5	1,291	33	7
Merida				957	24	5
Palo	2,329	59	12	4,690	118	24
Palompon	2,439	61	13	4,093	103	21
Pastrana	1,507	38	8	2,466	62	13
San Isidro	2,498	63	13	4,622	116	24
San Miguel	1,472	37	8	800	20	4
Santa Fe	1,402	36	8	1,212	31	7
Tabango				1,508	38	8
Tabontabon	640	16	4			
Tacloban City (Capital)	4,243	107	22	11,350	284	57
Tanauan				2,053	52	11
Tolosa				413	11	3
Tunga				364	10	2
Villaba	2,452	62	13	714	18	4
Provincial Total	76,848	1,934	403	102,512	2,583	532

Table S.6.7 Public Toilets Required by Target Year

Name of Municipality/City	Phase I (2004) Requirements				Phase II (2010) Requirements			
	Number of Public Toilets				Number of Public Toilets			
	Public Market	Bus/JEEPNEY Terminal	Parks/Playground	Total	Public Market	Bus/JEEPNEY Terminal	Parks/Playground	Total
Abuyog								
Alaylang								
Albuera								
Babamnon								
Barugo								
Bato								
Bueyby								
Burauen								
Calubian								
Capoocan								
Candara								
Dagami								
Dules								
Etilongos								
Hindang								
Inopacan				1				
Isabel	1							
Jaro								
Javier (Bugho)								
Julita			2	2				
Kananga								
La Paz								
Levite								
MacArthur								
Mahaplag								
Matecob								
Matalom								
Mavonga								
Menda								
Palo								
Palompon								
Pasirana								
San Isidro								
San Miguel								
Santa Fe								
Tabango								
Talibonabon								
Tacloban City (Capital)								
Tanauan								
Tolesa								
Tunga								
Villaba								
Provincial Total	1		2	3				

**SECTOR IMPLEMENTATION
ARRANGEMENTS**

C



9. SECTOR MANAGEMENT FOR MEDIUM-TERM DEVELOPMENT

9.2 Sector Management

Accessing ODA Funds for Level III Systems

When considering sources of financing for new Level III systems or for existing Level III systems that are expanding, LGUs may tap their IRA or they may borrow funds from commercial or ODA institutions. In the case of LGUs that have formed a Water District to operate their system, a ready source of loan funds is the LWUA.

This section discusses how an LGU can access funds from an ODA agency in order to develop its Level III water system. It is presumed that the proposed Level III project has gone through the Project Development process stipulated by the NEDA in Rule 7, Articles 24 -- 26 of its IRR of Board Resolution No. 4 (Series of 1994), Clause (G). Specifically, the proposed Level III project must be consistent with the Provincial/City/Municipal Water Supply, Sewerage and Sanitation Sector Plan that has been prepared and annually updated by their respective Planning and Development Office(s). On the basis of these local council approved sector plans, water supply investments will have been identified and developed into a local investment program that includes an appropriate financing plan.

It is worthwhile to reiterate the following NEDA prescriptions regarding project identification:

- "proposed investments shall be developed according to a demand-driven approach that would allow beneficiaries to select from among cost-effective technical options and from financing options. The LGUs may avail of technical assistance from the DILG in the preparation of these project packages (Rule 5)."
- "LGU systems shall be constructed on the basis of choosing among technical options that are affordable through the financial resources made available by users, communities and LGUs. The process of determining demand for a particular service delivery shall be concluded through a negotiated agreement between the LGU, water utility and the users, on how the costs will be shared at the town, barangay, and household levels."
- "for any Level III service, at least two technical options shall be explored: those of an inter-LGU service delivery organization involving amalgamation of service areas and of single LGU management systems."

(1) Project Initiation Stage

Based on their respective approved water sector plans, the province/municipality proposes a specific Level III water system following the NEDA guidelines on project identification. The provinces and component municipalities may submit their respective project proposals for ODA funding to the DILG. The DILG examines such requests and ensures that they are in conformity with the NEDA's Medium Term Public Investment Program (MTPIP), a master list of projects from which ODA agencies can select specific projects that they can fund. From the MTPIP, the ODA loan agency prepares its own short list of potential province and municipality beneficiaries/ grantees of its loan program. The ODA loan agency then proceeds to conduct its own feasibility study concerning its loan program and discusses this extensively with both the NEDA and the DILG (since the DILG will be the implementing agency for the ODA loan).

While the DILG is designated as the implementing agency for the ODA loan program, a domestic lending institution (e.g. the Development Bank of the Philippines or DBP) can be contracted to administer the loan package and on-lend ODA funds to specific LGUs. [Note that the LWUA has served and continues to serve as a conduit for loans to Water Districts.] Under such a working arrangement, the DILG, the ODA agency, and the domestic lending institution affix their signatures on the ODA program loan documents.

The DILG now pre-screens LGUs who have expressed intent to borrow funds from the ODA loan facility. Together with consultants from the ODA agency, the DILG conducts briefings on the loan conditions to make sure that the province/municipality fully understands the financial and institutional commitments they have to make once they contract the loan. The respective local councils (e.g. Sanggunians) deliberate whether they are able to and will partake of the loan. Should the Sanggunian decide that they can meet the loan commitments, they submit an official letter of interest (LOI) to the DILG. The DILG, with assistance provided by the ODA agency, evaluates the various LOIs from different LGUs and selects which specific projects will be eligible to borrow from the ODA loan facility.

(2) Project Implementation Stage

At this point, the province/municipality with the Level III system project can now sign the loan documents with the designated local on-lending institution. For the construction of the Level III water system, the LGU itself (or the LGU company formed to undertake the project) is expected to bid out the job to contractors from the private sector. The bidding process should be a transparent one with a public announcement of the bidding,

publication of pre-qualified construction companies, and a well-documented decision by the bids and awards committee. During the construction of the Level III water system, the LGU unit tasked to monitor the construction activity should carry out periodic inspections. Final inspection is done upon completion of the construction contract. Throughout the period of the bidding process and actual construction, the DILG can be tapped by the LGU for assistance on various technical and institutional-building matters.

The private sector contractor submits its periodic billings to the LGU. After the necessary inspections are done, the LGU in turn forwards this bill to the domestic lending institution for payment. Given that all documents are in order, the domestic lending institution requests for fund remittance from the ODA agency. Once the funds are remitted, the domestic lending institution settles the bills with the private contractor.

As far as repayment of the loan is concerned, the LGU is responsible for paying the loan since it was the signatory of the loan. Through the operations of the completed Level III water system, the LGU is able to collect the corresponding tariffs from the different consumer households. From these revenues, the LGU re-pays the loan capital and interest to the domestic lending institution, which in turn remits these proceeds to the ODA loan agency. This process is repeated throughout the term of the loan.

9.4 Project Management Arrangements

9.4.1 Project Approach/Strategy

Integration of Waterworks

The province may also initiate the establishment of an Integrated Waterworks (IWW) facility that will merge the management operations of adjoining municipalities, which have existing or proposed Level III water systems. This may not necessarily involve the integration of the physical facilities because of the distance and sparse location of municipalities, but rather only the management aspect of it. Article 8 of the IRR of NEDA Board Resolution No. 4 (Series of 1994), Clause (G) states that: "An LGU may also consider amalgamating or consolidating its system with that of its neighboring LGUs in order to benefit from economies of scale that could expand water supply services to consumers at the lowest possible cost."

The advantages of an IWW facility are as follows:

- Comprehensive water sector planning at the provincial level is facilitated. Investments in developing larger water sources and reservoirs can be considered at the planning stage (in the case of municipalities that are in close proximity with each other).

- The overhead cost involved in maintaining and operating a large waterworks system can be reduced since redundancies in equipment and manpower resources will be eliminated. Municipalities will no longer have to purchase and maintain their own waterworks construction equipment. As a result, there will be greater utilization of such equipment. Engineering and management staff that are currently needed to run the municipal waterworks system can be transferred to other functions.
- The province will be able to hire and retain professional engineering and management staff who will assume greater responsibilities and duties. This will eventually translate to a higher level of service to the communities served by the IWW facility.
- Access to loan funds (from both ODA and commercial sources) for the construction of the waterworks system will be easier since the lending institution will deal with a single entity. Lending institutions prefer such a set-up since the loan evaluation and the corresponding loan monitoring is simpler.
- The IWW facility will be more attractive to more reputable private sector corporations, both local and foreign. The province will be able to generate more interest from private sector players who may want to develop waterworks systems on a BOT/BO/BOO basis or jointly with the LGU. The LGU may also tap these same private sector players to operate and maintain the existing distribution network under any form of contract – service, management, lease, or concession.

The organizational structure of the IWW should contain, at the least, 5 sections – Administration, Finance, Engineering, Operations & Maintenance, and a Meter Reading and Tariff Collection unit. The Administration and Finance departments will handle matters related to human resources development, financial planning and control, and other related concerns. The Engineering section is expected to concentrate on water system planning and design. The Operations & Maintenance unit will ensure that the water system is operating efficiently (e.g. minimal system losses) and that water quality is always satisfactory by conducting strict monitoring activities. Any construction activity, including the installation of water meters, will be contracted out to the private sector so there will be no need for a large pool of both equipment and manpower. Water samples can be tested in existing private or government laboratories if the IWW will not maintain its own laboratory. The Meter Reading and Tariff Collection unit will be in charge of the all-important task of determining individual household consumption and collecting the corresponding tariff due. The actual conduct of these two activities can be contracted out to the private sector through a service contract.

The financial and operating condition of the IWW facility should be reported periodically to the provincial and municipal governments. In addition, the rates that the IWW will charge

consumers will be set under the supervision of a regulatory authority and any proposed changes should first be presented and discussed in a public hearing.

The success of the IWW facility depends on the full support of the local governments of both the province and the component municipalities. Such support shall be in the form of strengthening the management and engineering capabilities of the IWW staff. Any loan needed by the IWW should be endorsed, and if possible guaranteed, by the LGUs concerned. Initial capital requirements can even be sourced from these LGUs.

9.4.2 Project Implementation Arrangements

Project Implementation Arrangement and Procedure

Together with the Figures (Figure 9.4.1 and 9.4.2), the following are the project implementation arrangement and procedure for Level I and sanitation from national level to barangay levels, which are designed to encourage active participation of implementers and beneficiaries in undertaking the project.

(1) National Government Level

Project Planning/Launching Workshop as start-up activity will be conducted to introduce and orient the implementers on the Project, define their roles, responsibilities and relationships among them and formulate provincial action plans. The Consultant, upon completion of the training needs assessment and development of appropriate training programs shall conduct capacity enhancement for the WSS-PMO Staff, NGOs, DPWH and DOH representatives. This activity aims to strengthen their competence in technical, managerial, training and community organizing and gender responsiveness. The trained members are responsible to facilitate the organization/reactivation of the PWSU and information dissemination for the provincial officials to secure their support and commitment to the Project. With the assistance from the Consultant, they will enhance the capacity of the PWSU, the MSLT and COs/NGOs in planning, implementing, monitoring and evaluating the project.

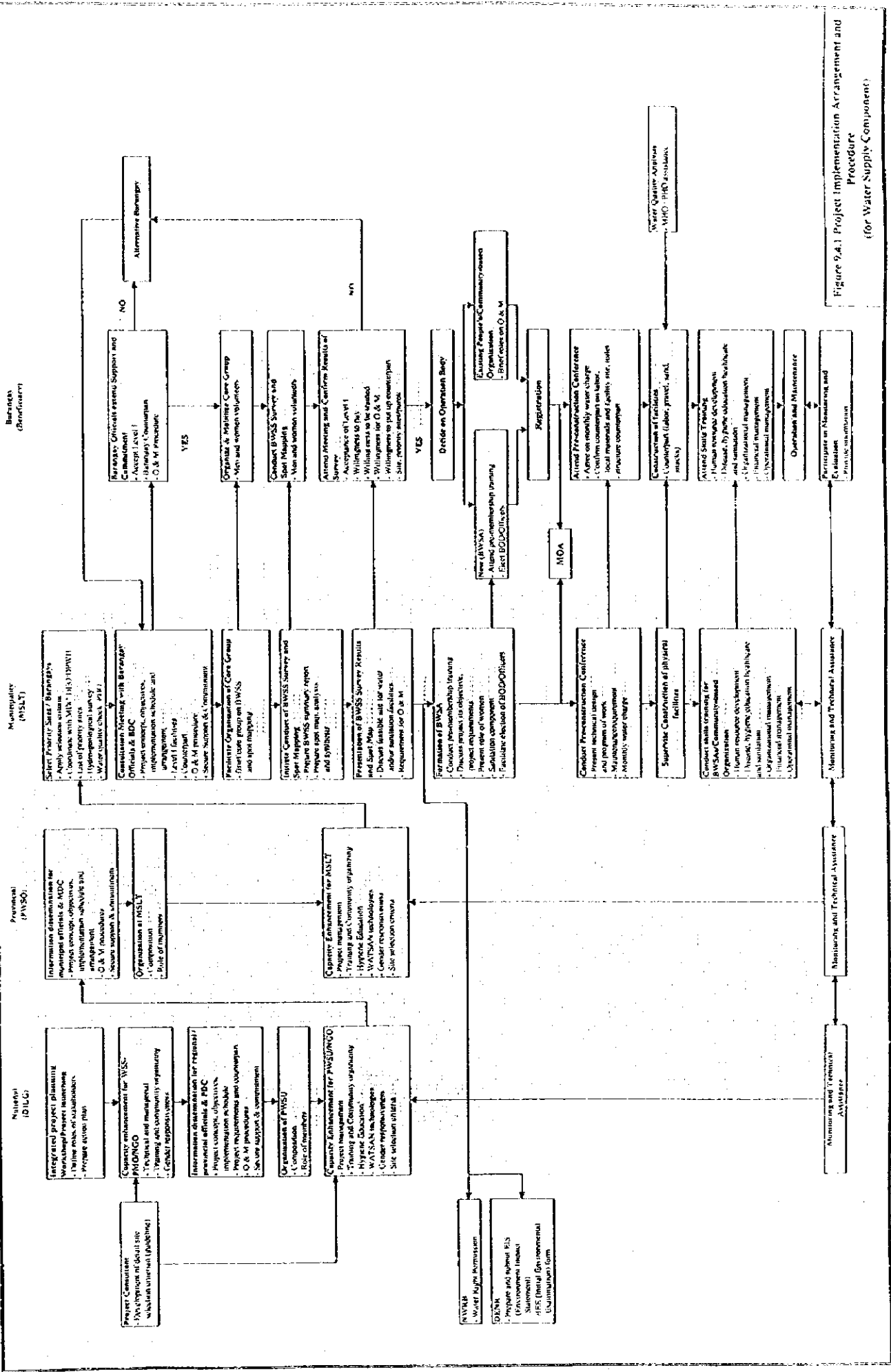
(2) Local Government Level

The PWSU shall assist the MSLT in each municipality and conduct information dissemination for the municipal officials to orient them on the project and obtain their support and commitment. With the PWSU assistance, the trained MSLT members shall select priority barangays, in coordination with the municipal development council. The Team will be responsible for facilitating barangay activities such as consultation meetings with barangay officials and community members, barangay survey and spot mapping.

formation of BWSA/RWSA, pre-construction conference, and supervision of construction. Skills training will be conducted for the operating body in maintaining and managing the project. They shall also provide continuing assistance and monitor the activities of the beneficiaries and status of the project.

(3) Barangay Level

The barangay officials/development councils shall provide support to the PWSU and MSLT members in conducting activities and mobilizing resources in the barangay. Men and women volunteer shall conduct barangay survey and spot mapping to confirm their demand for the level of service, HH latrines and willingness to operate and maintain the facilities and counterpart. The community members decide on the operating body, tap existing community-based organization or organize a BWSA/RWSA. They have also to agree on the monthly water fees and provide labor and local materials during the construction of facilities. The BOD/Officers, Bookkeeper and Caretaker of the operating body shall attend skills training to develop their competence in performing their jobs. The beneficiaries shall provide information and request assistance from the PWSU/MSLT members, if necessary.



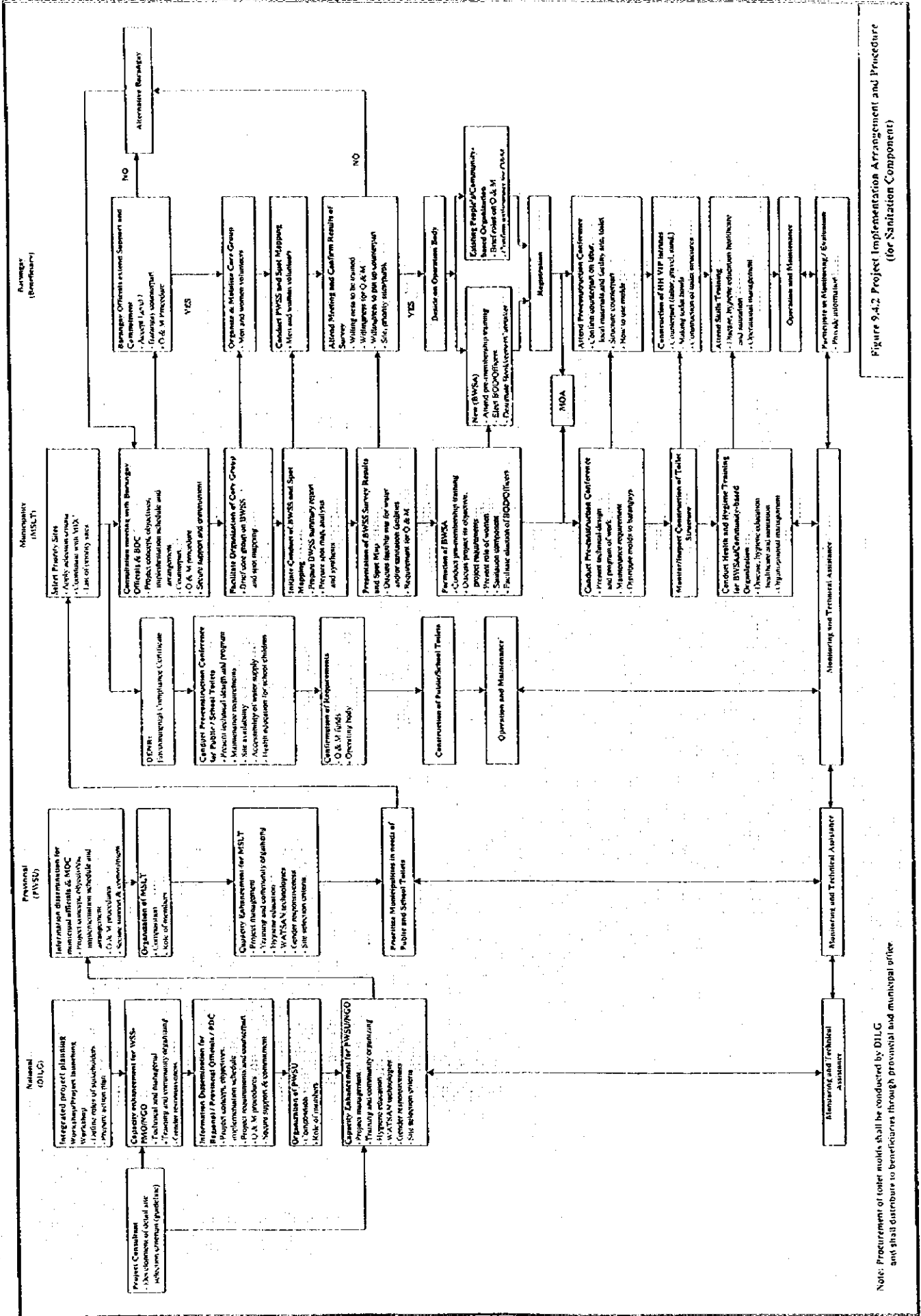


Figure 9.4.2 Project Implementation Arrangement and Procedure (for Sanitation Component)

Note: Procurement of toilet models shall be conducted by DILG and shall distribute to beneficiaries through provincial and municipal office

PROPOSED SITE SELECTION CRITERIA

Barangay: _____ Municipality: _____ Province: _____

(1). Required Items

Item No.	Description	Score
1.	No alternative water source except ground water	OK or Not
2.	Acceptance of Level I facility	OK or Not

(2) Technical & Socio Economical Requirements 60%

Item No.	Description	Score
1.	Water source availability (quality and quantity)	20%
2.	Incidence of water-borne disease	25%
3.	Accessibility of well drilling machine to water source	15%

(3) Community Interest and Involvement 40%

Item No.	Description	Score
1.	Willingness to assume responsibility for operating and maintenance of the facility/ies	10%
2.	Willingness to be trained on O&M	5%
3.	Willingness to pay for water fees	15%
4.	Willingness to put up counterpart	10%

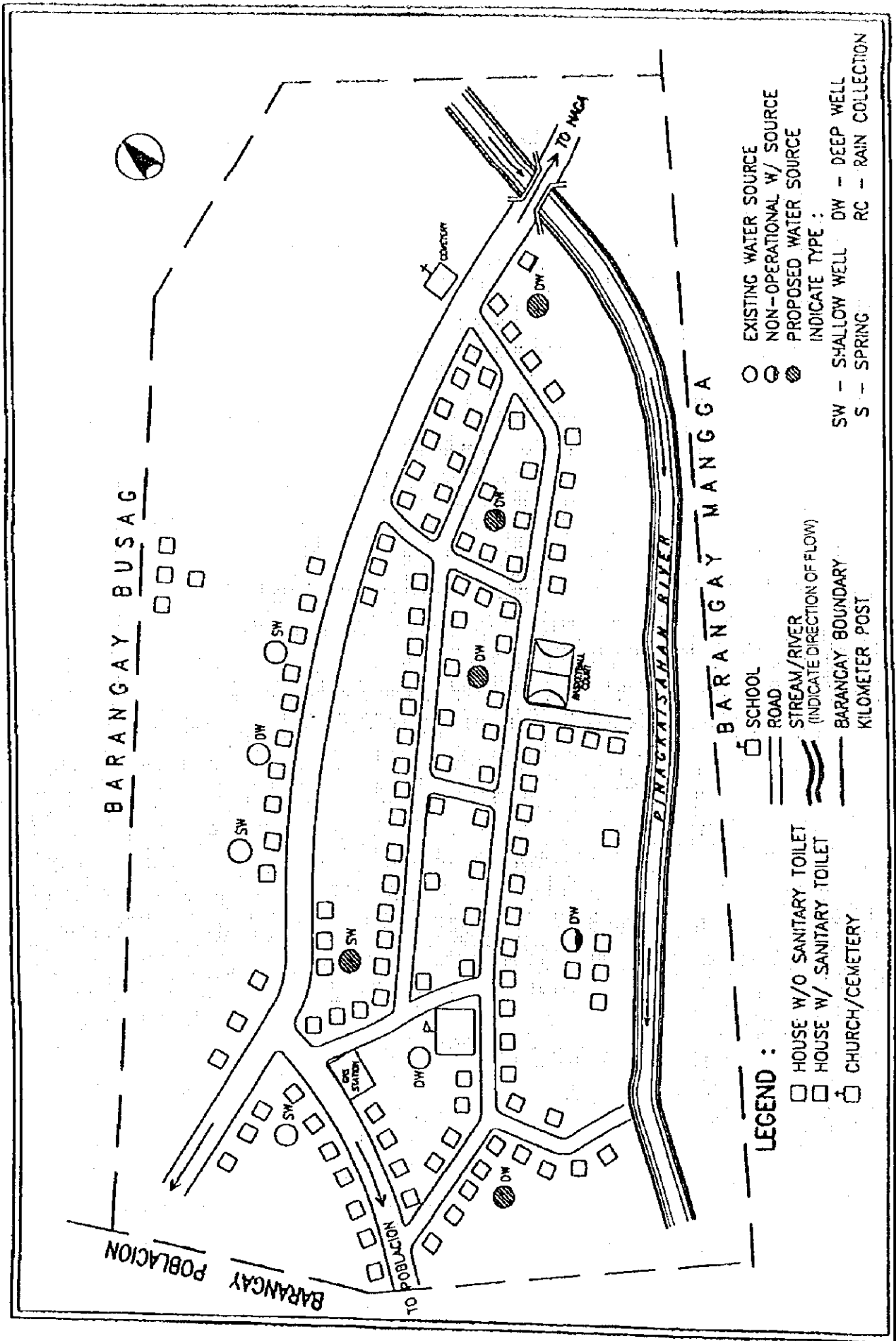
(4) Total Score

Item No.	Description	Score
(1)	Required items	OK or Not
(2)	Physical requirements	
(3)	Community interest and involvement	

Total Score

Proposed Capacity Enhancement Program

Activity/Participation	Course Content
1. Project Planning/Launching Workshop DILG (WSS-PMO) DPWH, DOH, NWRB NEDA, DOF, OECP	1. Project Concept, Objective, Project Requirements, Implementation schedule and arrangements 2. Role and responsibility of national government agencies, LGUs (provide and municipalities and project beneficiaries) 3. Action Plan by province
2. Capacity Enhancement for WSS-PMO, NGOs, DOH and DPWH	1. Project Concept (objectives, components, requirements, implementation arrangement, O&M systems and procedure, etc.) 2. Sector Development and existing Policies 3. Project Planning, Management and Control 4. Team Building Exercise 5. Presentation and Facilitating Skills 6. Methods of Instruction 7. Community Organization/Community Development 8. Barangay Surveys and Spot Mapping 9. Formulation of BWSA 10. Health and Hygiene Education 11. Technical Training <ul style="list-style-type: none"> - Designing and Construction - Water Source Investigation 12. Skills Training for Operating Body <ul style="list-style-type: none"> - Organizational Management - Financial Management - Operational Management 13. Gender Responsiveness 14. Monitoring
3. Capacity Enhancement for LGUs (PWSU, MSLT, CO/NGOs)	1. Project Concept (objectives, components, requirements, implementation arrangement, O&M systems and procedure, etc.) 2. Sector Development and existing Policies 3. Project Planning, Management and Control 4. Team Building Exercise 5. Methods of Instruction 6. Presentation and Facilitating Skills 7. Community Organization/Community Development 8. Barangay Surveys and Spot Mapping 9. Formulation of BWSA 10. Health and Hygiene Education 11. Technical Training <ul style="list-style-type: none"> - Designing and Construction of WATSAN facilities - Water Source Investigation 12. Skills Training for Operating Body <ul style="list-style-type: none"> - Organizational Management - Financial Management - Operational Management 13. Gender Responsiveness 14. Monitoring
4. Capacity Enhancement for Operating body (BOD/Officers, Bookkeeper, Caretakers)	1. Project concept (objectives, components, requirements, implementation arrangements, O&M systems and procedures, etc.) 2. Human Resources Development (Team Building, Leadership and Value Formation) 3. Disease, Hygiene, Education, Health Care and Sanitation (Excreta, Liquid and Solid Waste Disposal) 4. Organizational Management (BWSA Management Skills) 5. Operational Management (Operation, repair and maintenance skills) 6. Financial Management (Simplified Bookkeeping Procedures) 7. Greater Participation of Women 8. Monitoring and Evaluation



- LEGEND :**
- HOUSE W/O SANITARY TOILET
 - HOUSE W/ SANITARY TOILET
 - CHURCH/CEMETERY
 - SCHOOL
 - ROAD
 - STREAM/RIVER (INDICATE DIRECTION OF FLOW)
 - BARANGAY BOUNDARY
 - KILOMETER POST
 - EXISTING WATER SOURCE
 - ⊖ NON-OPERATIONAL W/ SOURCE
 - ⊙ PROPOSED WATER SOURCE
 - INDICATE TYPE :
 - SW - SHALLOW WELL
 - DW - DEEP WELL
 - S - SPRING
 - RC - RAIN COLLECTION

Instructions for Completing Barangay Map

This sample barangay map is a rough sketch of an entire barangay showing the households, with and without sanitation facilities. The map also shows location, type and condition of existing water facilities and plot location of proposed water sources.

- 1) The map will be used for BWSA planning
- 2) The map can be used as a planning tool to determine best locations for future water sources.
- 3) The map can also be used to support funding request for other water and/or sanitation facilities.
- 4) The map may also be entered into a national data base.

To make a map of your barangay, use the legend at the bottom of the sample to indicate information and landmarks. Follows these procedures when completing the map:

- 1) Indicate location of highways and road, including name and number of road if any.
- 2) Draw approximate boundaries for your barangay and indicate names of adjacent barangays
- 3) Indicate direction of north line.
- 4) Locate public building, cemeteries, schools, or other prominent landmarks.
- 5) Locate natural land features (like river, rice field, hills, etc.) and animal pens.
- 6) Show households by drawing a clear square.
- 7) Show all sanitation facilities in households by darkening bottom of square.
- 8) Show water sources location and condition by drawing a clear circle for existing water sources, a half dark circle if source is not in operation and a darkened circle for proposed facility. (Proposed facilities should be at least thirty (30) meters away from the nearest latrine and animal pen).
- 9) Show water source type like deepwell, shallow well, spring, etc. Following legend on the map.
- 10) Next to existing facilities, write the distance in meters to the nearest latrine or animal pen. Proposed facilities should be at least 30 meters away from the nearest latrine and animal pen.
- 11) Show kilometer posts along the road by drawing a darkened small square.

BWSA Formation

A BWSA (Barangay Waterworks and Sanitation Association) is an organization of water supply and sanitation beneficiaries in a barangay whose objective is to own, operate and maintain the water systems. RA 6716 requires its formation to ensure the provision of adequate, potable and accessible water supply to its members through proper operation and

maintenance of the water facilities. The organizational structure of BWSA is quite simple and depends on the number of facilities, need, culture and situation in a particular barangay.

The decision to tap existing community-based organization, merge/consolidate with the existing water association or to form a new association is lodged with the community members. Should the decision is to form a new association as operating body of the facilities, it shall be known as BWSA.

The formation activities of the BWSA are divided into three phases: pre-formation/social preparation, formation and post formation (refer to Proposed Community Management Program attached here for the detailed activities in each phase). During the formation phase, pre-membership training and election of BDO and Officers are held. In this phase, individual member interest and community commitment are manifested through application for membership in the association and signing of Manifesto Resolution (refer to the sample formats attached hereafter).

Proposed Community Management Program

Barangay Activities	Responsible Party	Duration (Day)	Cost
A. Pre-Formation/Social Preparation Phase			
<p>1. Consultation with barangay officials/development councils (First Meeting) The activity aims to obtain the support, commitment and active participation in planning, implementation and managing the project. They are primarily responsible for the identification and prioritization of community needs. The decision on the acceptance of Level I water facility and barangay counterpart shall emanate from them.</p>	<p>CONGO; PWSU/MSLT; Barangay Officials Development Council</p>	<p>0.5</p>	
<p>2. Barangay Water Supply and Sanitation Survey/Spot Map A core group composed of men and women volunteers will conduct BWSS and spot mapping. The BWSS results provide information on the prospective users willingness to undertake the responsibility for the O&M as well as provision of counterpart. Spot map will identify the most feasible site for Level I facilities, HH latrines, school and public toilets.</p>	<p>CONGO; PWSU/MSLT; Men and Women Volunteers</p>	<p>5</p>	<p>P600</p>
<p>3. Presentation of survey results and spot map (Second Meeting) The survey results and spot map will be presented to the barangay officials, core group and prospective water users of the facilities. The decisions of the community members will be confirmed in terms of acceptance of Level I water facilities, site of the water facility/ies, willingness to contribute for water fee, operate and maintain the facilities, to be trained and to put up counterpart such as labor, site, and local materials. The results of the survey and spot map are discussed relative to the most feasible site of the water facilities in the barangay as well as the most feasible site of sanitation facilities and houses in need of latrine. The community members will decide among themselves which sitios/puroks will be given priority in the provision of water and sanitation facilities. The community members will also decide on the operating body, whether to tap existing community-based organization, form a new one (BWSA) or merge/consolidate with existing water association.</p>	<p>CONGO; PWSU/MSLT; Prospective Users</p>	<p>0.5</p>	<p>P500</p>

Barangay Activities	Responsible Party	Duration (Day)	Cost
<p>B. Formation Phase</p>			
<p>4. Pre-membership Training and election of BOD and Officers (Third Meeting) A core group will be mobilized to conduct house to house campaign to ensure membership attendance in the Pre-membership Training. The training is conducted for prospective water users of the facilities. The project concept is discussed including its objectives, importance and role of BWSA and members. Other modules such as women's role, sanitation, technical aspects, success factors, etc. are discussed during the pre-membership training. The Board of Directors is elected by the general membership and the Board elects among themselves the officers of the BWSA. Bookkeeper and Caretaker are designated by the President. With the initiative of the newly elected officers, the organizational documents are accomplished.</p>	CO/NGO; PWSU/MSLT; Prospective Water Users	1	P1,000
<p>5. Meeting of the Board of Directors (Fourth Meeting) The first meeting of the BOD is conducted to discuss in details the duties and responsibilities of the Board /Officers, how to conduct a meeting, formulate administrative and operational policies (collection of water fees, dates and place of regular meetings, etc.) and prepare an action plan. The registration procedures and requirements are also discussed.</p>	CO/NGO; PWSU/MSLT; BOD/Officers	1	P1,000
<p>6. Registration The operating body (existing community organization or BWSA is registered to give it legal personality to enter into a contractual obligation)</p>	BOD/Officers CO/NGO; PWSU/MSLT;		
<p>7. Pre-construction Conference (Fifth Meeting) The technical design and program of work for the construction of water and sanitation facilities are presented to the officers and members of the operating body. Based on the technical design, the financial computation to determine the operation and maintenance requirements of the facilities is discussed. The proposed estimates on monthly water fees are presented and the beneficiaries must agree among themselves the monthly water charge to be collected. The commitment of the beneficiaries to actively participate in the construction and counterpart shall be confirmed.</p>	CO/NGO; PWSU/MSLT; BOD/Officers members	5	P500

Barangay Activities	Responsible	Duration (Day)	Cost
<p>8. Construction of Water and Sanitation Facilities The operating body shall ensure that the materials delivered are all accounted for and in accordance with the approved specifications in the technical design. Labor, local materials such as gravel and sand, and snacks are provided as counterpart. The prospective users actively participate during construction and test run of water facilities. Upon completion, the facility is turned-over to the operating body. The President, in behalf of the association, shall receive the water systems from the LGUs. Simple turn-over ceremony is held witnessed by barangay officials/leaders, BOD/officers and members of the association and P/MSLT members.</p>	<p>CONGO; PWSU/MSLT; BOD/Officers members</p>	<p>10</p>	
<p>9. Skills Training (Sixth Meeting) Skills training aims to build the capacity of project beneficiaries in planning, proper operation, repair and maintenance of water and sanitation facilities. This will also create an awareness among the project beneficiaries on the importance of proper hygiene and the need to maintain a healthy environment. BOD/officers will be trained on organizational management, bookkeeper on financial management/bookkeeping and caretaker on operational management (operation, maintenance and repair of wells hand-pumps, etc).</p>	<p>CONGO; PWSU/MSLT; BOD/Officers Bookkeeper/Caretaker</p>	<p>5</p>	<p>P4,400</p>
<p>10. Health and Hygiene Education Health and hygiene education services shall be continuously provided to the community members focusing on the interdependence of safe water supply and sanitary toilet facilities to achieve overall health and environmental benefits.</p>	<p>MSLT/RHW/BHW</p>	<p>Continuous</p>	<p>P1,800</p>
<p>C. Post Formation Phase</p>			
<p>11. Monitoring, Evaluation and Technical Assistance Periodic monitoring and evaluation will be conducted in partnership between MSLT and beneficiaries. M&E will start from project implementation. Technical assistance will be provided, if necessary.</p>	<p>PWSU/MSLT; BOD/Officers</p>	<p>Continuous</p>	
<p style="text-align: right;">TOTAL</p>			<p>23.5</p>

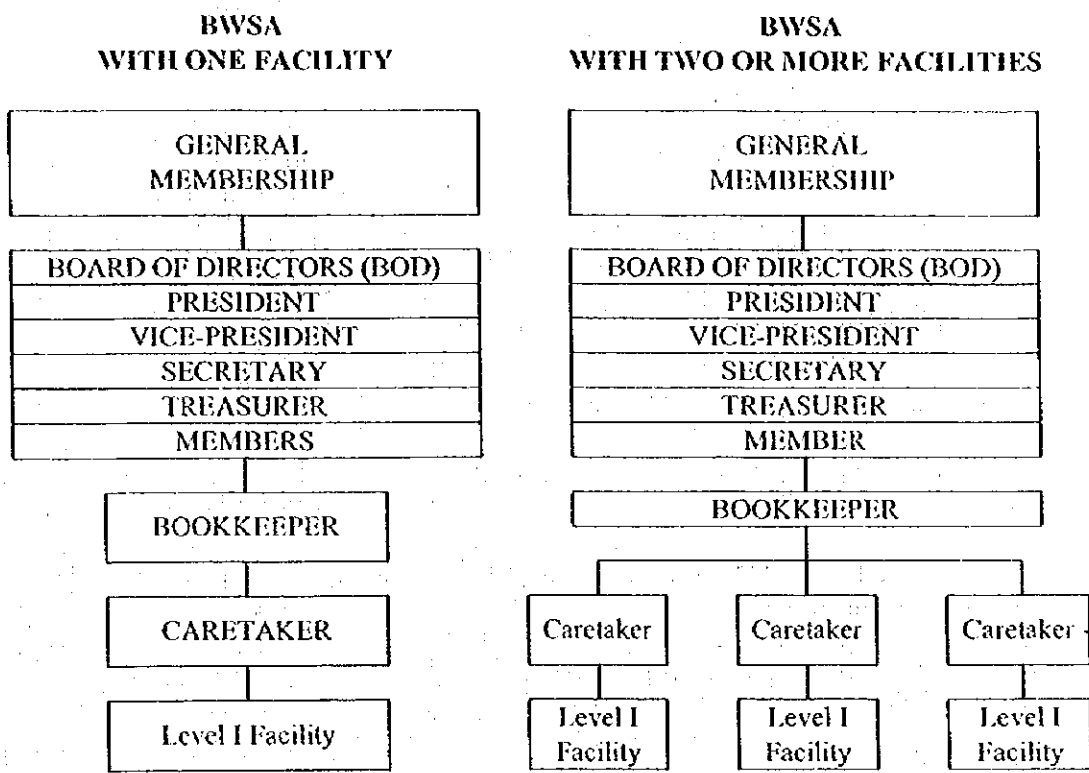


Figure 9.4.3 Organization Structure of BWSA