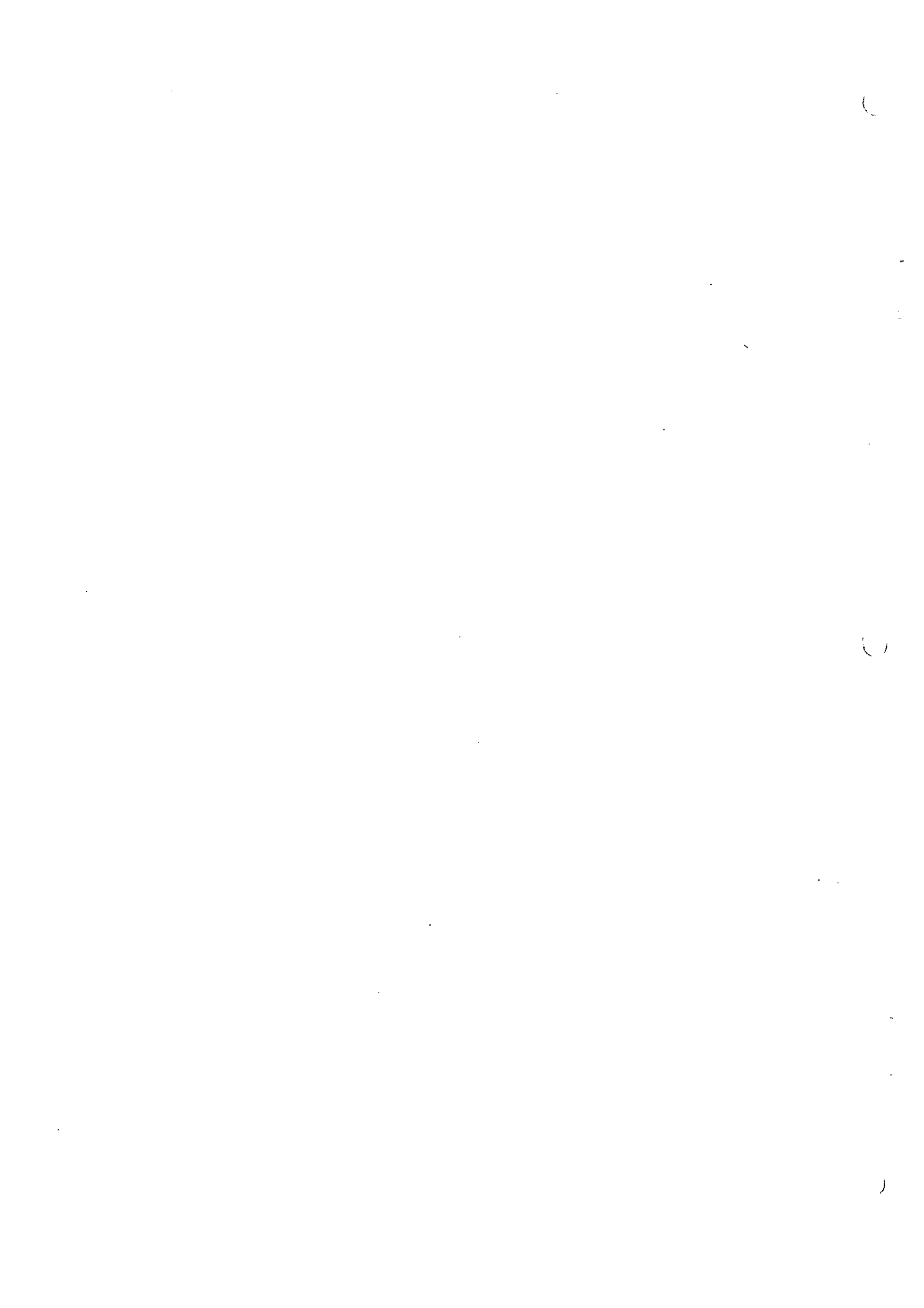


***CHAPTER 8***  
***INSTITUTIONAL STRENGTHENING PLAN***

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## 8. PAST FINANCIAL PERFORMANCE

### 8.1 General

This Chapter recommends the initial mechanisms, processes and structures needed to achieve the goals and targets of the sector.

#### 8.1.1 Development Framework for the Sector

One basic institutional deficiency at the local level is the absence of a common goal and strategy for the sector. The Province has to set the specific goals, objectives/targets and strategy for the sector. While the province has a Physical Framework Plan, this is not sufficient to establish sector priorities and considering the problems besetting the sector, the province needs identify priority activities that must be funded.

#### 8.1.2 Operating Policies

The following general policy and strategy statements as established already in the PW4SP could form the initial policy set for sector for adoption and approval by the Provincial Government:

- ◆ Sustainability shall be promoted through community-based organizing, training and information dissemination to increase willingness to organize, willingness to pay and willingness to learn O&M of facility;
- ◆ Criteria for selection and prioritizing projects to the community should consider sustainability factors and should be based on the demonstrated commitment of the beneficiaries to participate in the project, the current needs for water and sanitation and overall health conditions, potentials for growth and costs;
- ◆ Appropriate service level shall be determined based on sustainability parameters, goals and purposes of the Province, the needs of the community based on demographics and demonstrated capacity and willingness to participate in the project by the communities;
- ◆ Technology to be used for the projects shall be appropriate to the local conditions and resources. Upgrading of existing systems and facilities will be promoted based on needs of the community. In urban areas, a range of technologies may be needed integrating wastewater collection and treatment, as well as drainage;

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- ◆ All projects developed by the LGU must involve an integrated approach to the provision of potable water supply, sanitation and hygiene education;
- ◆ Cost Recovery and Cost Sharing (Subsidy Policies). The LGU shall enforce a rational and consistent policy on the application of subsidies and loans for water supply and sanitation;
- ◆ Private Sector Participation policies and incentives shall be primarily encouraged, but regulated by the LGU. The LGU should take measures to institutionalize its regulatory functions in order to regulate private water service providers;
- ◆ In terms of financing, capital costs generally used to construct water supply projects shall be financed mainly out of the concerned LGU's own resources given that in ARMM, non-devolved services provide the LGUs with surplus funds;
- ◆ Concerns for environmental protection and management including water pollution control, conservation and proper utilization of water and land resources should be part of the LGU's programs;
- ◆ Policies to be formulated should be gender-responsive. The different aspects of the sector project – technical, economic, financial, institutional and community participation – should provide for equal participation of women and men in the beneficiary community.

### 8.1.3 Regulatory Policies

In coordination with appropriate national and local agencies, the LGU shall endeavor to set up a coordinated regulatory framework on the following:

- ◆ Water allocation and water rights policies and rate review, which are within the mandate of the National Water Resources Board.
- ◆ Water Service Providers Registration/Accreditation - The LGU shall adopt a registration and franchising system for water service associations/ providers: Annual reporting requirements will have to be established for monitoring and auditing purposes.

- ◆ Water Quality - The LGU will have to establish a viable mechanism, including water testing and standards enforcement, to ensure that water delivered meet the potability standards set by the National Drinking Water Standards. The DOH currently has the responsibility and the regulatory power to stop the operations of water systems not delivering potable water. The LGU shall establish Water Surveillance Program thru the creation of a Local Drinking Water Quality Monitoring Committee (per Implementing Rules and Regulations of Chapter II, Water Supply, of the Code of Sanitation of the Philippines, P.D.856).

## 8.2 Institutional Arrangements

In the medium-term, a full-time Provincial (WATSAN) Sector Team (PST) to provide a focal point in the Province shall be set up for coordination, monitoring and institution-building. The LGU should ensure that adequate logistics and incentives are provided. This may be replicated at the municipal and barangay level of the LGU.

In the long term, the PST may be formed as a Provincial Water and Sanitation Office (PWSO) under the office of the Chief Executive of the LGU. For LGU-run water systems, this would be the office of the economic enterprise within the LGU with duties and functions beyond coordination and monitoring. It would become the focal point of WATSAN activities of the Province and coordination and monitoring of all WATSAN activities would emanate from that office. It would also be the regulating arm of the Province for all WATSAN activities within its provincial jurisdiction. This should be replicated at the municipal level. A PMO for water supply and sanitation at the DILG-ARMM to provide technical and managerial assistance in the formative years of the PST/PWSO is highly recommended to be set up.

Both the Province and Municipality may set up such a Team (for the medium-term) or Office (for the long-term) in their respective LGUs.

With the devolution of water supply and sanitation to the LGU, the DPWH-DEO-ARMM may still provide technical services at cost and in competition with other private contractors. Sharing of resources (equipment and staff) with the LGU at cost may be looked into subject to policy decision and guidelines approved at the national level.

The initial professional-level staffing of the PST/PWSO is estimated, as follows:

◆ Provincial Water Supply & Sanitation Coordinator	1
◆ Community Development, Gender & Training Specialist	2
◆ Water Supply & Sanitation Engineer	2
◆ Monitoring and Evaluation Specialist	1
◆ Total Personnel Required	6

The recommended roles for the various staff positions are as follows:

- ◆ The **Provincial Waterworks & Sanitation Coordinator** shall lead an interdisciplinary Provincial Sector Team, shall be responsible for coordination and supervision of all development planning, implementation, monitoring and evaluation, database development and progress reporting of all activities in the water supply and sanitation sector, shall also liaise with all project implementers and key players in the sector and shall be the key contact person of the DILG for WATSAN concerns.
- ◆ The **Community Development, Gender and Training Specialist** shall be responsible for implementing community organizing and community participation aspects of the sector with a gender-responsive approach, shall be responsible for developing and implementing community-based programs and activities for the sector in the various barangays and municipalities, including criteria for community and site selection, conducting regular dialogues and disseminating information among local leaders on water supply, sanitation and health and hygiene education program province-wide, shall oversee accreditation of community-based organizations responsible for the water supply and sanitation facilities, and shall annually review past training programs and develop and implement the province's training programs for water supply and sanitation, hygiene and sanitation education, and community organization and development, including any manuals or other training materials used.
- ◆ The **Water Supply and Sanitation Engineer** shall be responsible for all the technical aspects of the project including feasibility studies, design, construction, operation and maintenance, review of the existing technical and environmental situation relating to WSS facilities, proper construction supervision and monitoring in coordination with the municipal liaison, adequate maintenance of LGU equipment and tools for water and

sanitation facilities, including drilling rigs and vehicles supervise major repair or rehabilitation work beyond the capacity of communities to undertake and implement, in coordination with the IPHO, the water quality surveillance system.

- ◆ The **Monitoring and Evaluation Specialist** shall assist the Coordinator in all monitoring and evaluation activities including development of database and data processing and reporting for baseline, monitoring and evaluation data.

The same can be done at the municipal level, with the Municipal Waterworks and Sanitation Coordinator also acting as Sector Liaison for the municipality to the Province.

At the barangay level, the Barangay Councils will continue to play a major role in fulfilling the community's aspirations for improved water and sanitation services. It will play a key role particularly in the preparatory stages before the organization of the association (or the appointment of the responsible group). By default, many of the previously failed systems have ended up as responsibilities of the barangay councils. Although the Councils will not have any supervisory role over the associations operating the water systems, it is important that they monitor the performance of the associations.

### 8.3 Project Management Arrangements

#### 8.3.1 Levels I and II

**Project Selection.** A community-responsive approach should be used as primary process for project selection. The initiative of the community should be encouraged. All barangays should be properly and consistently informed about sector opportunities and policies by the Provincial through its municipal LGUs. The barangays should take the first step by assessing their needs, deciding that they want to improve their water and sanitation above all other needs and express this needs to the Municipal LGU's WATSAN Unit. The barangay should also decide on desired service levels, with a full understanding of the cost recovery aspects and other responsibilities.

**Organization of associations.** More flexibility is needed in order to tap into local community resources. The basic principle is for the community to agree on what type of organization, association, community-based organization, cooperative, etc. they want to form in preparation for accepting the responsibility for the facilities. Existing community-based groups with an



active track record and with leaders and members who are ready, willing and able to take on the O&M functions may be tasked with the responsibility for the facilities. LGUs will assess the readiness of the communities and approve the arrangements and accredit the organization. Failure of community-based organizations to live up to their responsibilities can be grounds for removing their accreditation and giving the responsibility to another accredited group. The organization can decide how to organize itself internally in coordination with the municipal liaison ensuring that roles, responsibilities and accountabilities are adhered.

**Technology and Technical Design Standards.** The former Rural Waterworks Development Corporation (whose functions were absorbed by LWUA) and the DPWH have developed a simplified procedure for conducting the initial data gathering. The format used is recommended for adaptation by the LGUs. These forms can also be revised to suit the specific needs of the LGU.

For Level II systems, technical standards have been in use by LWUA for RWSAs and by DPWH. As these are considered as national standards, their adoption is recommended.

#### 8.4 Community-Based Organizations

The traditional view of communities as mere beneficiaries and recipients of projects has been undergoing changes and transformation in recent years through the policy reforms and transition in the sector. Communities are now provided avenues for more participation in terms of decision-making and initiation of resolution of issues in critical aspects of the sector's project management and implementation.

This implies the need for the LGU to establish an institutional mechanism at the provincial and municipal levels to enhance trust and confidence of communities on its ability for provision of such basic services as water supply and sanitation. Communities will be encouraged to collectively take stock of their resources and constraints and agree on a development program appropriate for their needs.

The LGU shall promote the participation of NGOs, people's organizations (POs), and community-based organizations (CBOs) to catalyze the involvement of women, youth, people's organizations (POs) and other segments of the community in project decision-making and management. It will focus on the role of women in the context of the design of institutional

arrangements at all levels. Towards increasing community involvement, the LGU shall develop a community-based implementation strategy and delivery mechanism to ensure the sustainability of sector projects. It shall review the roles and responsibilities of central and local government, NGOs, the private sector and communities themselves. It shall assess the community participation activities and related institutional arrangements of past community projects and recommend workable community participation approaches.

### 8.5 Human Resources Development Training

The main objective for training human resources is to improve individual competence, organizational effectiveness and efficiency, and espouse national development. Training is a function and a responsibility of every leader. It ensures the availability of qualified and able manpower, the shortage of which is considered as one of the major obstacles to improvements in the water supply and sanitation sector.

Training shall be designed and implemented for implementers, planners from national level to regional to LGUs and down to the community level. Needs Assessments will be conducted as the basis for the design of the courses. Participants will be selected based on their tasks and responsibilities. The PST/PWSO shall establish and maintain a reference library and information/documentation center and shall include training materials and equipment to service needs of the municipalities. The DILG-ARMM shall provide inputs to these training activities.

The LGU role is not to run courses but to ensure that training programs take place and are effective. Actual training activities may be organized or contracted out to well-functioning water districts and government-accredited training, technical and vocational schools. Training may cover but should not be limited to the following areas: source development principally for deep wells, shallow wells, spring development and surface water intake structures, operation and maintenance, plumbing and pipe-laying and basic hydraulics, bookkeeping and management and special courses for water and sanitation caretakers.

### 8.6 Health and Hygiene Education

The LGUs shall establish an on-going hygiene education program through appropriate methods and channels. These shall include immediate short-run programs: information campaigns; as well as, long-term value formation interventions, possibly through the formal school system.

Household and individual hygiene practices, such as hand washing, in house water storage, etc., are part of benefit assessment since these are part of improvement in lifestyle and practices. Three approaches are recommended:

- ◆ Community-based Approach: Direct house-to-house campaigns can be implemented through the Rural Health Units as part of their current functions. Special presentations can also be done during the regular meetings of community-based socio-civic clubs. Multi-media presentations may be developed and prepared for information dissemination and campaign.
- ◆ School-based Approach: Students are the main targets of this approach, either directly or through their teachers. Special focus activities, such as Water and Sanitation Week or Nutrition Week can be introduced with programs or convocations to make the student aware of the issues and solutions. Posters, flip charts, and other audio-visual materials would be helpful.
- ◆ Media-based Approach: This approach utilizes radio and print media to introduce and reinforce health messages. Many NGOs and the Philippines Information Agency (in coordination with the DOH) have developed interesting and attractive materials.

The community development specialist at the PST/PWSO shall be given the responsibility for the health and hygiene education function. The CDS will formulate an action plan; implementation will be done with the municipal liaison staff and other local officials. At the barangay level, its implementation will involve the close coordination among the midwives, the barangay health workers and the Committee on Health of the barangay council. Materials for this efforts have been previously developed and can be found with the various PHOs and RHUs. UNICEF has provided strong support in the preparation of these materials.

A continuous health and hygiene education program will be launched by the LGU. Simple, clear messages and approaches will have to be defined. These messages may include the following: Relationship among health, water supply and sanitation; sector opportunities; services available at the rural health units. For Levels I and II systems, the protection of household storage containers from contamination; hand washing; conservation; pay bills/fees on time; etc. The relevance of these, or other messages will have to be determined by the PST/PWSO.

### 8.7 Gender and Development

Consistent with the national policy of fundamental equality of men and women before the law, as well as of providing equal opportunities to both genders, the water supply and sanitation sector shall promote the full participation of men and women in all the phases of the project development cycle. Sustainability of the WATSAN facilities shall be achieved through the partnership of men and women, and their total involvement in its management, operation and maintenance. The socio-cultural norms and practices in the Province, however, should be taken into consideration in conceptualizing gender-responsive influences in the WATSAN institutional set-up in the Province. Nevertheless, women should be encouraged to participate in all aspects and phases of the project cycle.

A gender-responsive approach should consider the following:

- ◆ The training of the LGU officials and employees from the regional, provincial, municipal and barangay levels on gender and development.
- ◆ The conscious integration of gender concerns in all aspects of project development, that is, from project identification, planning, design and implementation, where the unique needs and requirements of both genders are recognized.
- ◆ The equal representation and distribution of responsibilities to the men and women of the beneficiary community, particularly in sharing work, making decisions, cooperation and control of activities such as but not limited to institutional and CD structures and processes, the organization and management of the WATSAN facilities, the training of managers, operators and maintenance personnel.

To provide the LGU insight on how to conceptualize gender-responsive approaches in the Province, it shall conduct a provincial survey to review the role of women in the context of the design of the community participation structure of the project. The review shall include: brief overview of women's socio-economic situation and their role in water and sanitation; gender analysis; analysis of relevant NGOs, women's groups and private agencies that will support community and women's activities; assessment of support action for women's participation essential for project sustainability; and proposed steps to enhance women's role and participation in the project.

***CHAPTER 9***  
***COST ESTIMATES FOR FUTURE***  
***SECTOR DEVELOPMENT***

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## 9. COST ESTIMATES FOR FUTURE SECTOR DEVELOPMENT

### 9.1 General

The total investment cost required for the two-phased implementation as identified in Chapter 7 is defined to include direct costs for construction of required facilities and sector management, as well as physical and price contingencies. Cost requirements for the equipment and vehicle are considered for O& M and long-term development.

Conditions and assumptions used to come up with investment costs covering all sub-sector components were established in coordination with concerned provincial and municipal LGUs and to current standards of relevant sector agencies like the DILG, LWUA, DOH and DPWH.

With regards to construction cost, unit costs per person/household facility were prepared under contract-out basis for respective sub-sector component facilities in current 2003 price levels.

### 9.2 Assumptions for Cost Estimates

#### 9.2.1 Unit Construction Cost

The unit construction cost per person, household, or facility of each sector component was established based on the PW4SP study's unit analysis model for each component. The unit price of the items of work for each component was escalated at 2%. But the unit price of water sources was based on the latest implementation cost of PW4SP project.

Unit construction costs consist of direct cost (mobilization/demobilization, material and labor), indirect cost profit and inclusive taxes

Freight cost of construction materials, excluding locally available materials such as sand and gravel, was considered for sanitation and water supply facilities in consideration of the hauling distance from Manila. The cost is estimated as fixed percentage (11%) based on the standard practice being adopted by other agencies. Table 9-1 shows a summary of unit construction costs and their descriptions are given in the succeeding paragraphs and details of which is presented in Appendix 9.1.1 to Appendix 9.1.13.





Table 9-1 Unit Cost of Facilities by Type and Service Level

Sector Service Level		Unit Construction Cost per Facility (Pesos)	Service Coverage		Unit Cost	
			Served Population	Served Households	Pesos/ Person	Pesos/ Household
Urban Water Supply	<b>Level III</b>					
	New System					
	For 5,000 Population	23,261,531	5,000	N/A	4,652	N/A
	For 10,000 Population	35,852,859	10,000	N/A	3,585	N/A
	Expansion					
	For 5,000 Population	21,711,488	5,000	N/A	4,342	N/A
For 10,000 Population	34,302,816	10,000	N/A	3,430	N/A	
Rural Water Supply	<b>Level II</b>					
	Deep Well Source	950,200	600	120	1,584	7,918
	Spring Source	1,154,509	600	120	1,924	9,621
	<b>Level I</b>					
	Deep Well					
	30 meter depth	164,000	N/A	15	N/A	10,933
	50 meter depth	198,000	N/A	15	N/A	13,200
	70 meter depth	314,000	N/A	15	N/A	20,933
	Shallow well					
	10 meter depth	72,000	N/A	15	N/A	4,800
20 meter depth	105,000	N/A	15	N/A	7,000	
Sanitation	Household Toilet					
	Flush	4,871	N/A	1	N/A	4,871
	Pour Flush	653	N/A	1	N/A	653
	Public School Toilet	271,000	271,000	N/A	N/A	N/A
Public Toilet	342,000	342,000	N/A	N/A	N/A	

*Urban water supply*

- ◆ Unit cost for two sizes of Level III system covering served population of 5,000 and 10,000.
- ◆ Unit cost for Level III was estimated utilizing deep well sources. In case of spring source, it is desirable to confirm transmission lengths during the implementation stage.

*Rural water supply*

- ◆ Unit cost for five types of Level I wells (shallow wells at 10 and 20m depths and deep wells at 30, 50 and 70m depths).

- ◆ Unit cost for deep well was estimated using open-hole gravel packed method. Natural gravel pack wells may be considered only after initial implementation when soil formation in prospective sites shall have been established and identified. Facilities requiring appropriate Iron Removal System, and its cost, will be identified during the detailed study.
- ◆ Unit cost for Level II system covers 600 served population.

### *Sanitation*

- ◆ Unit cost for two types of sanitary toilets, the flush and the pour flush to accommodate one served household in urban and rural areas. Cost of toilet includes only the cost of toilet bowls or water closet.
- ◆ Public School Toilet: unit cost includes the whole structure, septic tank and facilities. One toilet is designed with three squat type and two sit type toilet bowls to cover 250 served students. The structure is made of concrete materials, GI roofing, tiled floor and walls (part) and painted. The unit cost also includes one shallow well.
- ◆ The Public toilet unit cost includes the whole structure, septic tank and facilities: One toilet is designed with six toilet bowls and three urinals. The structure is made of concrete materials, GI roofing, tiled floor and walls (part) and painted.

### *Price Escalation*

- ◆ PW4SP price level in 1999 adjusted to current 2003 prices at 2% per annum.

### *Unit Cost of Equipment*

The unit cost of equipment shown below was prepared using current standard procurement cost.

**Table 9-2 Unit Cost of Equipment and Vehicle**

<b>Name of Equipment</b>	<b>Unit Cost (Pesos 1,000)</b>
Truck-mounted rotary drilling machine	34,978
Truck-mounted percussion drilling machine	27,691
Well rehabilitation equipment	303
Service truck with crane	1,299
Support vehicle (Pick-up with winch)	639

*Sector Management Cost*

Sector management cost consists of: the following:

- ◆ Engineering studies (F/S, D/D and construction supervision) for water supply, public toilet and school toilet facilities. Community development and training including health and hygiene education and logistic support.
- ◆ Cost of engineering studies was estimated based on fixed percentages of 9% for F/S and D/D and 4% for construction supervision of the total direct cost
- ◆ Community development and training with logistic support was also estimated at 12% of respective construction costs for rural water supply and sanitation and 3% of construction cost for urban water supply and sanitation.
- ◆ Contingency cost covers both physical and price contingencies for water and sanitation facilities. Physical contingency is assumed to be 15% of the direct construction cost. Price contingency is assumed to be 10% of the direct cost and physical contingency.

**9.3 Cost of Required Facilities and Equipment**

The total construction cost of required facilities as public investment of LGUs are shown in Table 9-3 while the summarized costs are shown in Table 9-4 by municipality for each target year. The details of the cost estimates are presented in Appendix 9.3.1 to Appendix 9.3.4.

During the 2005 Medium Term Development period, a total of 2.078 billion pesos will be required for construction of required facilities. Of the requirements, urban and rural water supply will share 16 % and 78 %, respectively. The remaining 6% will be required for urban and rural sanitation.

The number of sets of equipment required was estimated based on the town clustering of the province. In the province of Maguindanao, three clusters of towns were made. Cluster I are the towns going to Shariff Aguak and four sets of equipment are allocated. Cluster II are towns going to Pagalungan, one set of equipment is allocated. Cluster III are towns going to Parang and three sets of equipment are allocated. The total cost of equipment to be procured by the province is shown in Table 9-5.

Table 9-3 Total Investment Costs (P x 1,000)

Municipality	Phase I (2005-2010) Requirement													
	Urban Area							Rural Area						
	Water Supply			Sanitation				Water Supply			Sanitation			
	Level III	Level II	Level I	HH Flush	HH Pour Flush	Public School	Public Utilities	Level III	Level II	Level I	HH Flush	HH Pour Flush	Public School	Public Utilities
1 Ampatuan	0	7,704	0	0	188	398	502	0	9,421	63,154	0	979	1,325	0
2 Barira	0	6,627	0	0	77	398	502	0	1,834	43,108	0	209	8,814	0
3 Buldon	0	6,528	0	0	45	398	502	0	6,643	77,314	0	501	2,236	0
4 Buluan	35,135	0	0	402	0	398	502	34,675	0	30,111	0	169	5,691	0
5 Datu Odin Sinsuat	0	4,579	16,681	2,164	103	398	502	0	17,706	188,822	4,908	1,567	4,156	0
6 Datu Paglas	0	3,315	0	0	42	398	502	0	1,602	36,361	0	347	1,204	0
7 Datu Piang	29,671	0	0	657	0	573	502	0	0	43,857	0	263	0	0
8 Datu Saudi	0	0	0	0	0	0	0	0	3,796	41,282	0	334	570	541
9 Datu Unsay	0	0	0	0	0	0	0	0	3,474	15,851	0	467	0	541
10 Gen. S. K. Pendatun	0	4,741	4,145	0	177	398	502	0	10,816	28,255	0	731	734	0
11 Guindulungan	0	0	0	0	0	0	0	0	0	47,893	0	370	2,333	541
12 Kabuntalan	0	5,206	905	0	87	1,591	502	0	0	43,069	0	415	3,199	0
13 Mamasapano	0	0	1,242	0	7	398	502	0	5,968	23,146	0	166	856	0
14 Matanog	0	0	0	0	38	398	502	0	10,001	12,258	0	264	5,114	0
15 Pagagawan	0	0	0	0	0	0	0	29,439	0	49,316	834	708	1,927	541
16 Pagalungan	23,492	0	2,048	2,849	74	398	502	0	0	51,438	0	1,594	1,351	0
17 Paglat	0	0	0	0	0	0	0	0	0	11,193	0	91	429	541
18 Parang	22,618	3,553	83,373	3,123	241	795	502	0	0	137,643	1,038	492	869	0
19 Shariff Aguak	10	0	0	2,172	0	0	502	19,835	4,860	28,989	2,652	667	641	0
20 South Upi	22,447	0	16,288	1,761	89	0	502	0	0	124,651	0	680	573	0
21 Sultan Kudarat	0	0	759	1,619	0	0	502	12,126	2,031	84,952	6,576	1,311	2,841	0
22 Sultan Mastura	0	0	0	0	0	0	0	0	4,239	26,117	0	486	825	541
23 Sultan Sa Barongis	0	5,622	1,125	0	269	1,193	502	0	0	53,644	0	1,626	2,019	0
24 Talayan	0	3,889	2,120	0	89	398	502	0	1,987	41,718	0	467	1,360	0
25 Talitay	0	0	0	0	0	0	0	0	0	52,479	0	704	6,449	541
26 Upi	20,685	0	0	0	63	398	502	0	0	78,205	0	642	2,839	0
Total Provincial	154,058	51,764	128,685	14,747	1,589	8,924	9,535	96,075	84,377	1,434,826	16,008	16,251	58,356	3,786

Municipality	Phase II (2010-2015) Requirement													
	Urban Area							Rural Area						
	Water Supply			Sanitation				Water Supply			Sanitation			
	Level III	Level II	Level I	HH Flush	HH Pour Flush	Public School	Public Utilities	Level III	Level II	Level I	HH Flush	HH Pour Flush	Public School	Public Utilities
1 Ampatuan	0	2,312	1,067	0	151	398	502	25,225	10,121	53,015	963	675	476	0
2 Barira	0	1,410	0	0	152	398	502	0	547	44,599	0	442	355	0
3 Buldon	0	2,774	3,807	0	204	398	502	26,556	0	84,913	0	904	1,301	0
4 Buluan	8,620	0	0	1,798	0	0	502	8,507	0	29,587	0	751	17	0
5 Datu Odin Sinsuat	0	1,503	1,193	1,984	95	398	502	0	5,810	144,567	4,575	1,471	2,082	0
6 Datu Paglas	0	1,070	427	0	81	398	502	0	535	37,135	0	672	445	0
7 Datu Piang	8,951	0	0	370	0	0	502	0	0	44,207	0	148	265	0
8 Datu Saudi	0	0	0	0	0	0	0	0	986	41,717	0	210	265	541
9 Datu Unsay	0	0	0	0	0	0	0	0	880	16,025	0	544	0	541
10 Gen. S. K. Pendatun	0	1,391	4,641	0	260	0	502	0	3,174	29,985	0	1,077	591	0
11 Guindulungan	0	0	0	0	0	0	0	0	0	54,570	0	632	650	541
12 Kabuntalan	0	1,843	1,915	0	155	398	502	0	0	45,895	0	781	860	0
13 Mamasapano	0	0	1,250	0	17	0	502	0	1,546	23,451	0	416	199	0
14 Matanog	0	0	5,058	0	78	0	502	0	3,306	21,058	0	325	948	0
15 Pagagawan	0	0	0	0	0	0	0	15,823	0	57,072	1,417	1,246	1,114	541
16 Pagalungan	9,548	0	4,021	2,588	61	0	502	0	0	56,220	0	1,454	1,028	0
17 Paglat	0	0	0	0	0	0	0	0	0	11,604	0	186	0	541
18 Parang	12,512	1,069	21,547	2,797	71	398	502	0	0	125,054	888	408	835	0
19 Shariff Aguak	7,751	0	68	2,535	0	0	502	6,089	1,232	29,337	3,096	784	298	0
20 South Upi	8,387	0	18,398	1,847	94	0	502	0	0	117,898	0	722	229	0
21 Sultan Kudarat	0	0	1,130	3,025	0	0	502	5,173	771	111,022	12,286	2,446	1,485	0
22 Sultan Mastura	0	0	0	0	0	0	0	0	1,313	27,853	0	910	440	541
23 Sultan Sa Barongis	0	2,289	0	0	279	0	502	0	0	55,170	0	2,220	561	0
24 Talayan	0	1,648	3,592	0	152	0	502	0	842	47,798	0	799	573	0
25 Talitay	0	0	0	0	0	0	0	0	0	59,569	0	910	1,337	541
26 Upi	5,902	0	193	1,121	0	398	502	0	0	79,693	0	1,449	1,166	0
Total Provincial	61,671	17,309	68,306	18,066	1,849	3,181	9,535	87,372	31,063	1,449,015	23,227	22,782	17,518	3,786

Table 9-4 Summarized Construction Cost of Required Facilities (Px1,000)

Municipality	Phase I (2005-2010) Requirement						Phase II (2005-2010) Requirement					
	Urban Area			Rural Area			Urban Area			Rural Area		
	Water Supply	Sanitation	Sub-total	Water Supply	Sanitation	Sub-total	Water Supply	Sanitation	Sub-total	Water Supply	Sanitation	Sub-total
1 Ampatuan	7,704	1,087	8,791	72,575	2,305	74,879	3,379	1,050	4,429	88,361	2,114	90,475
2 Barira	6,627	976	7,603	44,941	9,023	53,965	1,410	1,052	2,462	45,146	797	45,942
3 Buldon	6,528	945	7,474	83,957	2,737	86,694	6,580	1,104	7,684	111,468	2,205	113,673
4 Buluan	35,135	1,302	36,437	64,786	5,860	70,646	8,620	2,300	10,919	38,094	768	38,862
5 Datu Odin Sinsuat	21,261	3,166	24,427	206,528	10,631	217,159	2,695	2,978	5,673	150,377	8,128	158,505
6 Datu Paglas	3,315	941	4,256	37,963	1,551	39,514	1,498	980	2,478	37,669	1,117	38,786
7 Datu Piang	29,671	1,731	31,403	43,857	263	44,120	8,951	872	9,823	44,207	413	44,619
8 Datu Saudi	0	0	0	45,079	1,445	46,524	0	0	0	42,704	1,015	43,719
9 Datu Unsay	0	0	0	19,325	1,007	20,332	0	0	0	16,905	1,085	17,990
10 Gen. S. K. Pendatun	8,886	1,076	9,962	39,071	1,465	40,537	6,032	762	6,794	33,159	1,669	34,828
11 Guindulungan	0	0	0	47,893	3,244	51,137	0	0	0	54,570	1,823	56,393
12 Kabuntalan	6,111	2,180	8,291	43,069	3,614	46,683	3,757	1,054	4,812	45,895	1,641	47,536
13 Mamasapano	1,242	907	2,148	29,114	1,023	30,137	1,250	519	1,769	24,998	615	25,613
14 Matanog	0	937	937	22,260	5,379	27,639	5,058	579	5,638	24,365	1,473	25,838
15 Pagagawan	0	0	0	78,755	4,010	82,765	0	0	0	72,894	4,318	77,213
16 Pagalungan	25,540	3,822	29,362	51,438	2,945	54,383	13,569	3,151	16,720	56,220	2,483	58,703
17 Paglat	0	0	0	11,193	1,060	12,253	0	0	0	11,604	727	12,331
18 Parang	109,543	4,661	114,204	137,643	2,399	140,042	35,128	3,768	38,897	125,054	2,131	127,186
19 Shariff Aguak	10	2,674	2,684	53,684	3,960	57,644	7,819	3,037	10,857	36,658	4,179	40,836
20 South Upi	38,734	2,352	41,087	124,651	1,253	125,904	26,785	2,443	29,228	117,898	950	118,848
21 Sultan Kudarat	759	2,121	2,880	99,108	10,728	109,836	1,130	3,527	4,657	116,966	16,217	133,184
22 Sultan Mastura	0	0	0	30,356	1,851	32,208	0	0	0	29,166	1,890	31,056
23 Sultan Sa Barongis	6,747	1,964	8,710	53,644	3,645	57,289	2,289	781	3,070	55,170	2,781	57,950
24 Talayan	6,008	988	6,997	43,704	1,827	45,531	5,239	654	5,893	48,640	1,371	50,011
25 Talitay	0	0	0	52,479	7,694	60,173	0	0	0	59,569	2,788	62,357
26 Upi	20,685	963	21,648	78,205	3,481	81,686	6,095	2,021	8,116	79,693	2,615	82,309
<b>Provincial Total</b>	<b>334,506</b>	<b>34,795</b>	<b>369,301</b>	<b>1,615,278</b>	<b>94,400</b>	<b>1,709,678</b>	<b>147,286</b>	<b>32,631</b>	<b>179,918</b>	<b>1,567,450</b>	<b>67,313</b>	<b>1,634,763</b>
							<b>2,078,980</b>					<b>1,814,681</b>

Table 9-5 Total Equipment Cost (P x 1,000)

Name of Equipment	Quantity	Unit	Unit Cost	Total Cost
Truck-mounted rotary drilling machine	8	set	34,978	279,824
Truck-mounted percussion drilling machine	8	set	27,691	221,528
Well rehabilitation equipment	8	set	303	2,424
Service truck with crane	8	set	1,299	10,392
Support vehicle (Pick-up with winch)	8	set	639	5,112
<b>Total Equipment Cost</b>				<b>519,280</b>

*CHAPTER 10*

*EXAMINATION OF CRITERIA FOR SELECTING  
PRIORITY PROJECT/AREA*

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## 10. IDENTIFICATION OF PROJECTS/AREAS

### 10.1 Criteria for Selecting Projects/Areas

In the province of Maguindanao, majority of the municipalities are in need of assistance for the improvement of their respective water supply and sanitation facilities. The prioritization and selection, however, depends on various factors. Tables 10-1 to 10-3 respectively lists the technical, socio-economic, and financial criteria established and considered during the course of this study. The above criteria, however, were not fully used primarily due to lack of data and information for making the selection. These criteria may be used by JICA in its future project selection.

**Table 10-1 Technical Criteria for Project/Area Prioritization**

PARAMETERS	INDICATORS	CRITERIA	POINTS
Water system existing level of service	Presence of existing Level III service	With less existing level 3 service	No existing Level III: 5.0; With existing Level III: 1.0
Availability of water source	With available water sources	Have abundant water sources	=>2 abundant sources: 5.0; < 2 abundant sources: 1.0

*Note: Point System: High Priority = 5.0, Low Priority = 1.0*

**Table 10-2 Socio-economic Criteria for Project/Area Prioritization**

PARAMETERS	INDICATORS	CRITERIA	POINTS
Capacity to Pay	Average Income, Average Water Rate	Ratio of Income to Water Rate (3% or less)	3%: 5.0; >3%: 1.0
Peace and Order Situation	Crime Rate	With Low Rate in the area	10/1000 population: 5.0 >10/1000 population: 1.0
Health	Water-Borne Diseases Morbidity and Mortality Rates	With highest rates	10/1000 population: 5.0 >10/1000 population: 1.0
Access by the Poor	Number/percentage of poor in the area, Poverty Incidence, Average Household Monthly Income	Highest percentage of poor in the area	Ave. HH Income=< Poverty Level Income: 5.0; Ave. HH Income > Poverty Level Income: 1.0
Served vs. Unserved Population	Percentage of Unserved population in the area	With highest % of unserved in the area	=>50% unserved: 5.0 <50% unserved: 1.0

*Note: Point System: High Priority = 5.0, Low Priority = 1.0*

Table 10-3 Institutional/Financial Criteria for Project/Area Prioritization

PARAMETERS	INDICATORS	CRITERIA	POINTS
Willingness to Pay	Collection Efficiency (%)	Highest Collection Efficiency	80%: 5.0 <80%: 1.0
Willingness to Organize	Number of Functioning Community Organizations	With 2 or more functioning organizations	=>2: 5.0 <2.0:1.0
Willingness to Learn and to O&M Facilities	Level of Educational Attainment and Training of Population	Population has Mostly College Graduates	=>60% of population are college graduates: 5.0; <60%: 1.0

Note: Point System: High Priority = 5.0, Low Priority = 1.0

***APPENDICES***

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APPENDIX 5-1  
BUDGET OPERATIONS STATEMENT - MAGUINDANAO  
INCOME & EXPENDITURES

	1999	2000	2001
<b>INCOME</b>			
<b>LOCAL SOURCES</b>	4,859,898	2,740,908	2,740,907
<b>REVENUE FROM TAXATION</b>	4,165,663	2,371,139	2,371,138
Real Property Tax	3,755,805	1,689,808	1,689,807
Local Taxes	409,858	681,331	643,214
Other Taxes			38,118
<b>NON-TAX REVENUES</b>	694,235	369,769	369,769
Receipt from Eco. Ent.	161,375	0	0
Fees/Charges	10,050	329,671	329,671
Loans and Borrowings	0	0	0
Other Receipts	522,810	40,098	40,098
<b>AIDS AND ALLOTMENTS</b>	295,029,428	360,298,668	360,298,668
BIR Allotments	295,029,428	346,354,380	346,354,380
National Aids	0	0	13,944,288
National Wealth	0	13,944,288	
<b>TOTAL INCOME</b>	299,889,326	363,039,577	363,039,576
<b>EXPENDITURES</b>			
<b>CURRENT EXPENDITURES</b>	298,560,016	360,081,241	216,821,242
General Government	116,760,571	130,519,898	141,751,597
Public Welfare & Int. Safety	14,719,545	16,442,931	3,707,024
Economic Development	57,409,132	69,037,183	69,858,412
Operation of Econ. Ent.	0	0	
Other Charges	109,670,768	144,081,228	1,504,209
<b>CAPITAL OUTLAY</b>	493,602	821,229	144,081,228
<b>TOTAL EXPENDITURES</b>	299,053,618	360,902,470	360,902,470
<b>EXCESS (DEFICIT) OF INCOME</b>	835,708	2,137,107	2,137,106
<b>OVER EXPENDITURES</b>			

Source : BOS Databank - Bureau of Local Government Finance

BUDGET OPERATIONS STATEMENT

MAGUINDANAO

LGU Name:	Ampatuan				Barira				Buldon			
	1999	2000	2001		1999	2000	2001		1999	2000	2001	
<b>INCOME</b>												
Local Sources	356,070.19	435,023.69	370,502.08		51,802.90	893,129.63	92,375.25		116,125.57	1,569,557.65	1,569,557.65	
Revenue from Taxation	284,625.19	367,923.69	316,426.08		50,877.90	61,963.63	89,970.25		115,845.57	54,010.65	54,010.65	
Real Property Tax	183,810.33	263,616.15	190,659.85		26,492.80	56,683.63	78,908.85		21,962.68	49,853.65	49,853.65	
Business Tax	100,814.86	104,307.54	75,884.00		24,385.10	5,280.00	0.00		93,882.89	4,157.00	3,135.00	
Other Taxes	0.00	0.00	49,882.23		0.00	0.00	11,061.40		0.00	0.00	1,022.00	
Non-Tax Revenues	71,445.00	67,100.00	54,076.00		925.00	831,166.00	2,405.00		280.00	1,515,547.00	1,515,547.00	
Receipts from Eco. Enterprise	24,230.00	8,090.00	0.00		0.00	0.00	0.00		0.00	0.00	0.00	
Fees/Charges	47,215.00	59,010.00	54,076.00		925.00	500.00	2,405.00		280.00	0.00	0.00	
Loans & Borrowings	0.00	0.00	0.00		0.00	0.00	0.00		0.00	0.00	0.00	
Other Receipts	0.00	0.00	0.00		0.00	830,666.00	0.00		0.00	1,515,547.00	1,515,547.00	
Aids and Allotments	24,973,107.42	31,398,403.66	28,691,161.00		14,573,597.57	19,774,256.55	16,866,803.32		23,333,349.45	26,695,977.29	26,695,977.29	
BIR Allotment (IRA)	24,973,107.42	31,398,403.66	28,691,161.00		14,573,597.57	16,298,839.55	16,866,803.32		22,312,164.00	26,249,724.00	26,249,724.00	
National Aids	0.00	0.00	0.00		0.00	3,475,417.00	0.00		1,021,185.45	0.00	0.00	
National Wealth	0.00	0.00	0.00		0.00	0.00	0.00		0.00	446,253.29	446,253.29	
<b>TOTAL INCOME</b>	<b>25,329,177.61</b>	<b>31,833,427.35</b>	<b>29,061,663.08</b>		<b>14,625,400.47</b>	<b>20,667,386.18</b>	<b>16,959,178.57</b>		<b>23,449,475.02</b>	<b>28,265,534.94</b>	<b>28,265,534.94</b>	
<b>EXPENDITURES</b>												
Current Expenditures	25,512,468.95	30,594,675.78	27,026,617.50		13,960,903.63	18,494,220.72	12,429,404.85		23,151,000.00	28,117,460.38	19,677,000.00	
General Government	15,761,597.90	20,455,810.00	21,327,095.94		8,369,865.00	12,674,553.32	12,429,404.85		13,011,708.00	14,513,000.00	15,288,000.00	
Public Welfare & Internal Safety	46,578.28	2,134,370.60	4,500.00		26,678.12	582,693.04	0.00		442,437.00	675,000.00	0.00	
Economic Development	6,865,689.14	4,937,815.18	5,550,397.00		1,161,503.00	347,322.51	0.00		3,196,855.00	4,389,000.00	4,389,000.00	
Operation of Eco. Enterprise	0.00	0.00	0.00		0.00	0.00	0.00		0.00	0.00	0.00	
Other Charges	2,838,603.63	3,066,680.00	144,624.56		4,402,857.51	4,889,651.85	0.00		6,500,000.00	8,540,460.38	0.00	
Capital Outlay	188,375.00	830,570.00	3,598,769.86		230,025.87	1,800,000.00	4,616,746.25		323,558.62	100,000.00	8,540,460.38	
<b>TOTAL EXPENDITURES</b>	<b>25,700,843.95</b>	<b>31,425,245.78</b>	<b>30,625,387.36</b>		<b>14,190,929.50</b>	<b>20,294,220.72</b>	<b>17,046,151.10</b>		<b>23,474,558.62</b>	<b>28,217,460.38</b>	<b>28,217,460.38</b>	
Excess (Deficit) of Income	-371,666.34	408,181.57	-1,563,724.28		434,470.97	373,165.46	-86,972.53		-25,083.60	48,074.56	48,074.56	
Over Expenditures												

Source : SIE Databank - Bureau of Local Government Finance

**BUDGET OPERATIONS STATEMENT**

**MAGUINDANAO**

LGU Name:	Balitaan			Datu Odin Sinsuat (Dipaig)			Datu Paglas		
	1999	2000	2001	1999	2000	2001	1999	2000	2001
<b>INCOME</b>									
Local Sources	1,960,870.69	2,494,035.12	2,494,035.12	1,691,863.53	1,562,803.70	1,542,803.70	1,335,466.00	1,335,466.00	1,335,466.00
Revenue from Taxation	854,163.45	1,120,666.33	1,120,666.33	1,335,205.24	1,238,207.37	1,218,207.37	1,141,973.00	1,141,973.00	1,141,973.00
Real Property Tax	457,269.85	561,207.77	561,207.77	173,412.76	257,394.21	237,394.21	164,809.00	164,809.00	164,809.00
Business Tax	396,893.60	559,458.56	499,360.99	1,161,792.48	980,813.16	792,162.78	977,164.00	977,164.00	977,164.00
Other Taxes	0.00	0.00	60,097.57	0.00	0.00	188,650.38	0.00	0.00	0.00
Non-Tax Revenues	1,106,707.24	1,373,368.79	1,373,368.79	356,658.29	324,596.33	324,596.33	193,493.00	193,493.00	193,493.00
Receipts from Eco. Enterprise	778,162.50	1,092,455.00	1,092,455.00	249,941.50	192,777.00	166,726.00	127,998.00	127,998.00	127,998.00
Fees/Charges	328,544.74	280,913.79	280,913.79	106,716.79	131,819.33	97,365.33	65,495.00	65,495.00	65,495.00
Loans & Borrowings	0.00	0.00	0.00	0.00	0.00	60,505.00	0.00	0.00	0.00
Other Receipts	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Aids and Allotments	24,569,029.00	31,069,548.00	31,069,548.00	38,384,482.54	41,071,204.46	41,071,204.46	9,757,405.00	9,757,405.00	9,757,405.00
BIR Allotment (IRA)	24,569,029.00	31,069,548.00	31,069,548.00	33,690,312.00	39,273,733.06	39,273,733.06	9,757,405.00	9,757,405.00	9,757,405.00
National Aids	0.00	0.00	0.00	4,461,715.38	1,797,471.40	0.00	0.00	0.00	0.00
National Wealth	0.00	0.00	0.00	232,455.16	0.00	1,797,471.40	0.00	0.00	0.00
<b>TOTAL INCOME</b>	<b>26,529,899.69</b>	<b>33,563,583.12</b>	<b>33,563,583.12</b>	<b>40,076,346.07</b>	<b>42,634,008.16</b>	<b>42,614,008.16</b>	<b>11,092,871.00</b>	<b>11,092,871.00</b>	<b>11,092,871.00</b>
<b>EXPENDITURES</b>									
Current Expenditures	26,175,102.11	33,496,936.62	23,987,332.22	39,004,786.46	44,695,301.41	32,159,262.91	11,422,445.00	11,422,445.00	8,736,320.00
General Government	15,207,732.64	18,569,966.42	20,070,303.94	20,890,509.15	23,163,730.00	23,267,730.00	7,879,591.00	7,879,591.00	7,879,591.00
Public Welfare & Internal Safety	123,102.66	1,516,337.52	0.00	95,000.00	104,000.00	0.00	0.00	0.00	0.00
Economic Development	3,048,314.50	3,835,028.28	3,835,028.28	7,533,476.46	8,891,532.91	8,891,532.91	856,729.00	856,729.00	856,729.00
Operation of Eco. Enterprise	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other Charges	7,795,952.31	9,575,604.40	82,000.00	10,485,800.85	12,536,038.50	0.00	2,686,125.00	2,686,125.00	0.00
Capital Outlay	340,500.00	66,000.00	9,575,604.40	1,048,000.00	0.00	12,536,038.50	0.00	0.00	2,686,125.00
<b>TOTAL EXPENDITURES</b>	<b>26,515,602.11</b>	<b>33,562,936.62</b>	<b>33,562,936.62</b>	<b>40,052,786.46</b>	<b>44,695,301.41</b>	<b>44,695,301.41</b>	<b>11,422,445.00</b>	<b>11,422,445.00</b>	<b>11,422,445.00</b>
Excess (Deficit) of Income	14,297.58	646.50	646.50	23,559.61	-2,061,293.25	-2,081,293.25	-329,574.00	-329,574.00	-329,574.00
Over Expenditures									

Source : S/E Databank - Bureau of Local Government Finance

**BUDGET OPERATIONS STATEMENT**

LGU Name:	MAGUINDANAO													
	Data Piang						Gen. S.K. Pendhutan						Kabuntalan (Tumbao)	
	1999	2000	2001	1999	2000	2001	1999	2000	2001	1999	2000	2001		
<b>INCOME</b>														
Local Sources	2,290,982.38	1,034,803.74	1,034,803.74	695,704.66	1,257,623.29	1,257,623.29	1,180,114.52	520,805.43	520,805.43	520,805.43	520,805.43	520,805.43		
Revenue from Taxation	1,841,841.88	594,214.64	594,214.64	591,610.16	1,151,210.29	1,151,210.29	1,174,974.52	51,851.43	51,851.43	51,851.43	51,851.43	51,851.43		
Real Property Tax	1,155,638.34	448,561.24	448,561.24	51,965.28	53,290.62	53,290.62	452,786.54	25,180.15	25,180.15	25,180.15	25,180.15	25,180.15		
Business Tax	686,203.54	145,653.40	129,731.40	539,644.88	1,097,919.67	1,097,919.67	722,187.98	26,671.28	26,671.28	26,671.28	26,671.28	26,671.28		
Other Taxes	0.00	0.00	15,922.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	21,061.28		
Non-Tax Revenues	449,140.50	440,589.10	440,589.10	104,094.50	106,413.00	106,413.00	5,140.00	468,954.00	468,954.00	468,954.00	468,954.00	468,954.00		
Receipts from Eco. Enterprise	401,611.00	393,874.00	393,874.00	76,914.00	90,863.00	90,863.00	3,630.00	1,170.00	1,170.00	1,170.00	1,170.00	1,170.00		
Fees/Charges	47,529.50	46,715.10	46,715.10	27,180.50	15,550.00	13,060.00	1,510.00	1,010.00	1,010.00	1,010.00	1,010.00	1,010.00		
Loans & Borrowings	0.00	0.00	0.00	0.00	0.00	2,490.00	0.00	0.00	0.00	0.00	0.00	0.00		
Other Receipts	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Aids and Allotments	31,615,860.00	36,127,390.19	36,127,390.19	17,154,606.00	20,426,461.48	20,426,461.48	15,740,000.00	18,901,774.00	18,901,774.00	18,901,774.00	18,901,774.00	18,901,774.00		
BIR Allotment (IRA)	31,615,860.00	35,251,802.19	35,251,802.19	17,154,606.00	20,197,404.00	20,197,404.00	15,740,000.00	18,901,774.00	18,901,774.00	18,901,774.00	18,901,774.00	18,901,774.00		
National Aids	0.00	875,588.00	875,588.00	0.00	0.00	229,057.48	0.00	0.00	0.00	0.00	0.00	0.00		
National Wealth	0.00	0.00	0.00	0.00	229,057.48	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
<b>TOTAL INCOME</b>	<b>33,906,842.38</b>	<b>37,162,193.93</b>	<b>37,162,193.93</b>	<b>17,850,310.66</b>	<b>21,684,084.77</b>	<b>21,684,084.77</b>	<b>16,920,114.52</b>	<b>19,422,579.43</b>	<b>19,422,579.43</b>	<b>19,422,579.43</b>	<b>19,422,579.43</b>	<b>19,422,579.43</b>		
<b>EXPENDITURES</b>														
Current Expenditures	34,025,462.72	37,003,403.04	27,381,881.24	17,880,892.56	21,561,868.72	15,356,882.72	17,093,375.02	19,224,341.63	19,224,341.63	19,224,341.63	19,224,341.63	19,224,341.63		
General Government	19,830,089.41	22,697,608.00	22,697,608.20	10,632,211.74	13,350,240.25	13,350,240.25	11,314,573.00	12,574,820.90	12,574,820.90	12,574,820.90	12,574,820.90	12,574,820.90		
Public Welfare & Internal Safety	603,268.25	145,000.00	0.00	40,000.00	108,968.60	20,000.00	0.00	0.00	0.00	0.00	0.00	0.00		
Economic Development	2,714,048.94	3,185,549.97	4,539,273.04	1,993,488.00	1,897,673.87	1,897,673.87	832,927.00	927,469.00	927,469.00	927,469.00	927,469.00	927,469.00		
Operation of Eco. Enterprise	1,329,756.95	1,353,723.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Other Charges	9,548,299.17	9,621,522.00	145,000.00	5,215,192.82	6,204,986.00	88,968.60	4,945,875.02	5,722,051.73	5,722,051.73	5,722,051.73	5,722,051.73	5,722,051.73		
Capital Outlay	0.00	0.00	9,621,522.00	0.00	0.00	6,204,986.00	0.00	0.00	0.00	0.00	0.00	0.00		
<b>TOTAL EXPENDITURES</b>	<b>34,025,462.72</b>	<b>37,003,403.04</b>	<b>37,003,403.24</b>	<b>17,880,892.56</b>	<b>21,561,868.72</b>	<b>21,561,868.72</b>	<b>17,093,375.02</b>	<b>19,224,341.63</b>	<b>19,224,341.63</b>	<b>19,224,341.63</b>	<b>19,224,341.63</b>	<b>19,224,341.63</b>		
Excess (Deficit) of Income	-118,620.34	158,790.89	158,790.69	-30,581.90	122,216.05	122,216.05	-173,260.50	198,237.80	198,237.80	198,237.80	198,237.80	198,237.80		
Over Expenditures												-279,762.20		

Source: SIE Databank - Bureau of Local Government Finance



**BUDGET OPERATIONS STATEMENT**

MAGUINDANAO

LGU Name:	Mantabunug			Mantabunug			Pagatungan		
	1999	2000	2001	1999	2000	2001	1999	2000	2001
<b>INCOME</b>									
Local Sources									
Revenue from Taxation	108,495.01	1,123,281.86		328,247.00	67,514.98	67,514.95	365,155.11	388,150.13	350,375.24
Real Property Tax	50,329.99	1,298,426.86		306,132.00	35,954.98	35,954.95	311,620.27	129,625.40	52,711.55
Business Tax	21,705.48	36,109.96		286,149.00	18,318.02	18,317.99	32,050.62	17,767.40	13,696.06
Other Taxes	28,624.51	1,262,316.90		19,983.00	17,636.96	702.00	279,569.65	111,858.00	8,302.25
Non-Tax Revenues	0.00	0.00		0.00	0.00	16,934.96	0.00	0.00	30,713.24
Receipts from Eco. Enterprise	58,165.02	24,855.00		22,115.00	31,560.00	31,560.00	53,534.84	258,524.73	297,663.69
Fees/Charges	27,825.02	1,500.00		19,250.00	0.00	0.00	53,534.84	213,412.48	120,780.00
Loans & Borrowings	30,340.00	23,355.00		2,865.00	31,560.00	30,150.00	0.00	45,112.25	35,378.69
Other Receipts	0.00	0.00		0.00	0.00	1,410.00	0.00	0.00	12,770.00
Aids and Allotments	11,642,271.00	13,891,269.00		10,692,765.00	16,282,637.63	16,282,637.63	41,979,838.82	51,405,937.51	46,690,690.45
BIR Allotment (IRA)	11,642,271.00	13,891,269.00		10,692,765.00	16,212,209.00	16,212,209.00	41,023,151.82	51,405,937.51	45,550,690.45
National Aids	0.00	0.00		0.00	70,428.63	70,428.63	956,687.00	0.00	0.00
National Wealth	0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00
Grants	0.00	0.00		0.00	0.00	0.00	0.00	0.00	1,140,000.00
<b>TOTAL INCOME</b>	<b>11,750,766.01</b>	<b>15,214,550.86</b>		<b>11,021,012.00</b>	<b>16,350,152.61</b>	<b>16,350,152.58</b>	<b>42,344,993.93</b>	<b>51,794,087.64</b>	<b>47,041,065.69</b>
<b>EXPENDITURES</b>									
Current Expenditures	10,657,492.54	15,162,024.03		10,693,358.00	16,947,874.59	11,612,118.99	40,877,735.09	51,517,118.73	46,922,648.61
General Government	6,391,410.08	9,656,353.70		7,393,569.00	10,528,413.07	10,948,715.15	26,077,094.40	22,377,700.23	27,449,156.38
Public Welfare & Internal Safety	4,660.39	3,496.62		0.00	391,952.08	0.00	139,893.00	4,419,917.80	0.00
Economic Development	319,722.07	1,436,709.81		513,943.00	663,403.84	663,403.84	2,611,630.75	2,471,741.21	19,473,492.23
Operation of Eco. Enterprise	0.00	0.00		0.00	0.00	0.00	0.00	355,345.00	0.00
Other Charges	3,941,700.00	4,065,463.90		2,785,846.00	5,364,105.60	0.00	12,049,116.94	21,892,414.49	0.00
Capital Outlay	1,141,921.03	0.00		0.00	28,350.00	5,364,105.60	35,000.00	0.00	11,493,000.00
<b>TOTAL EXPENDITURES</b>	<b>11,799,413.57</b>	<b>15,162,024.03</b>		<b>10,693,358.00</b>	<b>16,976,224.59</b>	<b>16,976,224.59</b>	<b>40,912,735.09</b>	<b>51,517,118.73</b>	<b>58,415,648.61</b>
Excess (Deficit) of Income	-48,647.56	52,526.83		327,654.00	-626,071.98	-626,072.01	1,432,258.84	276,968.91	-11,374,582.92
Over Expenditures									

Source : SIE Datatank - Bureau of Local Government Finance

**BUDGET OPERATIONS STATEMENT**

MAGUINDANAO

LGU Name:	Parang			Shariff Aguak (Maguway)			South Upi		
	1999	2000	2001	1999	2000	2001	1999	2000	2001
<b>INCOME</b>									
Local Sources	3,838,184.89	13,022,383.75	4,078,683.75	1,371,055.47	994,667.64	1,012,137.64	1,883,175.00	1,767,180.34	517,553.11
Revenue from Taxation	2,289,900.64	927,842.06	927,842.06	617,086.13	169,459.46	169,459.46	368,780.37	87,647.41	90,005.78
Real Property Tax	996,539.93	213,101.44	213,101.44	369,529.56	81,979.57	81,979.57	293,151.14	18,295.81	1,366.16
Business Tax	1,293,360.71	714,740.62	464,023.33	247,556.57	87,479.89	68,269.36	75,629.23	69,351.60	45,636.10
Other Taxes	0.00	0.00	250,717.29	0.00	0.00	19,210.53	0.00	0.00	43,003.52
Non-Tax Revenues	1,548,284.25	12,094,541.69	3,150,841.69	753,969.34	825,208.18	842,678.18	1,514,394.63	1,679,532.93	427,547.33
Receipts from Eco. Enterprise	1,056,121.05	1,470,438.00	1,470,438.00	297,860.34	799,639.18	799,639.18	1,439,089.42	206,026.70	361,091.00
Fees/Charges	492,163.20	1,442,104.95	1,442,104.95	30,276.00	25,569.00	24,228.00	70,464.84	7,585.00	60,105.33
Loans & Borrowings	0.00	8,943,700.00	0.00	0.00	0.00	1,341.00	0.00	0.00	6,351.00
Other Receipts	0.00	238,298.74	238,298.74	425,833.00	0.00	17,470.00	4,840.37	1,465,921.23	0.00
Aids and Allotments	37,936,955.00	42,437,113.07	42,437,113.00	24,833,604.43	29,039,618.01	29,039,618.01	16,170,972.00	19,022,064.00	19,050,655.24
BIR Allotment (IRA)	37,936,955.00	42,437,113.07	42,437,113.00	24,833,604.43	27,552,588.00	27,552,588.00	16,170,972.00	19,022,064.00	19,050,655.24
National Aids	0.00	0.00	0.00	0.00	1,487,030.01	1,487,030.01	0.00	0.00	0.00
National Wealth	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Loans, Borrow & Transfer	0.00	0.00	8,943,700.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>TOTAL INCOME</b>	<b>41,775,139.89</b>	<b>55,459,496.82</b>	<b>55,459,496.75</b>	<b>26,204,659.90</b>	<b>30,034,285.65</b>	<b>30,051,755.65</b>	<b>18,054,147.00</b>	<b>20,789,244.34</b>	<b>19,568,208.35</b>
<b>EXPENDITURES</b>									
Current Expenditures	40,825,147.60	44,330,305.00	32,949,101.20	25,552,065.91	25,559,117.06	21,507,667.58	18,146,138.55	19,821,828.11	15,590,320.89
General Government	20,164,927.29	23,508,803.00	25,322,658.00	8,633,159.96	7,246,462.57	11,708,381.79	10,704,089.18	10,805,740.85	11,145,464.59
Public Welfare & Internal Safety	959,846.15	1,748,156.20	0.00	19,600.00	19,600.00	0.00	480,700.00	108,000.00	0.00
Economic Development	3,589,993.20	4,075,743.00	7,261,342.00	9,168,245.96	9,779,685.79	9,779,685.79	3,009,328.17	3,115,487.26	2,563,459.00
Operation of Eco. Enterprise	4,132,989.96	3,025,599.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other Charges	11,977,391.00	11,972,003.80	365,101.20	7,731,059.99	8,513,368.70	19,600.00	3,952,021.20	5,792,600.00	1,881,397.30
Capital Outlay	850,000.00	590,800.00	11,972,003.84	1,199,082.20	20,000.00	8,513,369.30	0.00	908,851.00	4,854,633.08
<b>TOTAL EXPENDITURES</b>	<b>41,675,147.60</b>	<b>44,921,105.00</b>	<b>44,921,105.04</b>	<b>26,751,148.11</b>	<b>25,579,117.06</b>	<b>30,021,036.88</b>	<b>18,146,138.55</b>	<b>20,730,679.11</b>	<b>20,444,953.97</b>
Excess (Deficit) of Income	99,992.29	10,538,391.82	10,538,391.71	-546,488.21	4,455,168.59	30,718.77	-91,991.55	58,565.23	-876,745.62
Over Expenditures									

Source: SIE Databank - Bureau of Local Government Finance

**BUDGET OPERATIONS STATEMENT**

LGU Name:	MAGUINDANAO											
	Sultan Kudarat (Nulung)				Sultan Sa Barongis (Lambayong)				Talayan			
	1999	2000	2001		1999	2000	2001		1999	2000	2001	
<b>INCOME</b>												
Local Sources												
Revenue from Taxation	4,082,914.95	4,562,024.87	4,623,287.09		271,101.02	855,954.42	895,954.42		626,809.96	277,122.67	126,947.26	
Real Property Tax	1,810,800.70	1,774,505.72	2,683,659.52		233,042.02	830,313.42	870,313.42		523,379.96	185,852.67	106,387.26	
Business Tax	519,465.81	534,093.98	1,205,114.91		165,822.92	97,030.62	97,030.62		474,992.52	107,880.19	77,672.26	
Other Taxes	1,291,334.89	1,240,411.74	1,279,494.30		67,219.10	733,282.80	764,256.00		48,387.44	77,972.48	5,216.00	
	0.00	0.00	199,050.31		0.00	0.00	9,026.80		0.00	0.00	23,499.00	
Non-Tax Revenues	2,272,114.25	2,787,519.15	1,939,627.57		38,059.00	25,641.00	25,641.00		103,430.00	91,270.00	20,560.00	
Receipts from Eco. Enterprise	448,826.40	301,894.20			28,949.00	20,371.00	20,371.00		82,000.00	54,570.00	3,730.00	
Fees/Charges	539,227.38	1,265,836.80	597,722.94		9,110.00	5,270.00	5,270.00		21,430.00	36,700.00	16,830.00	
Loans & Borrowings	0.00	0.00	226,709.95		0.00	0.00	0.00		0.00	0.00	0.00	
Other Receipts	1,284,060.47	1,219,788.15	1,115,194.68		0.00	0.00	0.00		0.00	0.00	0.00	
Aids and Allotments	43,970,714.33	54,134,740.01	50,735,638.00		22,102,314.00	24,997,480.00	24,997,480.00		24,571,308.49	20,945,368.29	23,201,946.00	
BIR Allotment (IRA)	43,970,714.33	54,134,740.01	50,735,638.00		22,102,314.00	24,997,480.00	24,997,480.00		23,840,316.00	20,907,913.00	19,584,694.70	
National Aids	0.00	0.00	0.00		0.00	0.00	0.00		556,913.00	0.00	0.00	
National Wealth	0.00	0.00	0.00		0.00	0.00	0.00		174,079.49	37,455.29	0.00	
Grants	0.00	0.00	0.00		0.00	0.00	0.00		0.00	0.00	3,617,251.30	
<b>TOTAL INCOME</b>	<b>48,053,629.28</b>	<b>58,696,764.88</b>	<b>55,358,925.09</b>		<b>22,373,415.02</b>	<b>25,853,434.42</b>	<b>25,893,434.42</b>		<b>25,198,118.45</b>	<b>21,222,490.96</b>	<b>23,328,893.26</b>	
<b>EXPENDITURES</b>												
Current Expenditures	47,520,819.98	40,547,368.70	51,489,395.78		22,223,196.60	25,263,665.84	18,563,535.84		23,406,233.21	21,522,924.50	17,421,084.35	
General Government	13,445,002.76	15,650,739.71	17,313,473.21		14,234,250.76	16,148,454.51	17,501,155.07		13,470,241.85	13,100,641.65	15,773,101.95	
Public Welfare & Internal Safety	893,273.52	45,330.00	23,483,578.56		633,095.15	852,700.56	0.00		200,000.00	481,242.36	0.00	
Economic Development	5,014,466.27	500,273.57	10,575,346.98		824,115.69	1,062,380.77	1,062,380.77		2,162,352.35	1,500,649.99	1,647,982.40	
Operation of Eco. Enterprise	13,366,827.42	13,633,487.42	0.00		0.00	0.00	0.00		0.00	0.00	0.00	
Other Charges	14,801,250.01	10,717,518.00	116,997.03		6,533,735.00	7,200,130.00	0.00		7,573,639.01	6,440,390.50	0.00	
Capital Outlay	730,499.30	10,282,726.87	5,515,400.00		0.00	500,000.00	7,200,130.00		2,300,000.00	787,704.62	6,448,465.60	
<b>TOTAL EXPENDITURES</b>	<b>48,251,319.28</b>	<b>50,830,095.57</b>	<b>57,004,795.78</b>		<b>22,223,196.60</b>	<b>25,763,665.84</b>	<b>25,763,665.84</b>		<b>25,706,233.21</b>	<b>22,310,629.12</b>	<b>23,869,549.95</b>	
Excess (Deficit) of Income	-197,690.00	7,866,669.31	-1,645,870.69		148,218.42	89,768.58	129,768.58		-508,114.76	-1,088,138.16	-540,656.69	
Over Expenditures												

Source : SIE Databank - Bureau of Local Government Finance

BUDGET OPERATIONS STATEMENT

MAGUINDANAO

LGU Name:	Taliay		Uji		
	1999	2000	1999	2000	2001
<b>INCOME</b>					
Local Sources		620,865.99	1,742,985.00		1,742,985.00
Revenue from Taxation		618,505.99	639,223.00		639,223.00
Real Property Tax		689.99	444,101.00		444,101.00
Business Tax		617,816.00	195,122.00		195,122.00
Other Taxes		0.00	0.00		0.00
Non-Tax Revenues		2,360.00	1,103,762.00		1,103,762.00
Receipts from Eco. Enterprise		0.00	361,200.00		361,200.00
Fees/Charges		2,360.00	140,751.00		140,751.00
Loans & Borrowings		0.00	0.00		0.00
Other Receipts		0.00	601,811.00		601,811.00
Aids and Allotments		12,384,444.00	24,454,035.00		24,454,035.00
BIR Allotment (IRA)		12,384,444.00	24,454,035.00		24,454,035.00
National Aids					
National Wealth					
<b>TOTAL INCOME</b>		<b>13,005,309.99</b>	<b>26,197,020.00</b>		<b>26,197,020.00</b>
<b>EXPENDITURES</b>					
Current Expenditures		12,633,011.76	26,063,249.00		19,816,193.00
General Government		7,833,962.51	15,988,838.00		15,988,838.00
Public Welfare & Internal Safety		337,686.00	551,749.00		551,749.00
Economic Development		683,963.00	2,633,158.00		3,275,606.00
Operation of Eco. Enterprise		0.00	642,448.00		0.00
Other Charges		3,777,400.25	6,247,056.00		0.00
Capital Outlay		101,848.50	70,000.00		6,317,056.00
<b>TOTAL EXPENDITURES</b>		<b>12,734,860.26</b>	<b>26,133,249.00</b>		<b>26,133,249.00</b>
Excess (Deficit) of Income					
Over Expenditures		270,449.73	63,771.00		63,771.00

Source : S/E Databank - Bureau of Local Government Finance

Appendix Table 6-1 Water Well Data by Barangay, Province of Maguindanao

LOCATION (MUNICIPALITY, Barangay)	WELL NUMBER	DRILLING DEPTH (m)	ACTUAL CAPACITY (lps)	SPECIFIC CAPACITY (lps/m)	STATIC WATER LEVEL (mbgs)
<b>NULING</b>					
1. Lower Panatan	NWSA 20314	25.90	0.63	0.69	0.915
2. Matingin Elem. Sch.	NWSA 196217	21.95	0.32	0.13	2.44
3. Poblacion – Town Site	NWSA 196083	19.82	0.63	0.69	0.915
4. Pigkiligan	NWSA 15425	29.60	0.63	0.413	1.52
5. Macabiso	NWSA 6276	19.82	1.26	1.03	1.22
6. Central Panatan	NWSA 196018	55.79	0.63	0.05	13.11
7. Leprosarium Hospital	NWSA 15427	30.49	0.95	0.62	1.52
8. Leprosarium Hospital	NWSA 196114	30.79	0.63	0.413	1.52
9. Gang	NWSA 13007	9.45	0.63	0.21	3.05
10. Crossing Penaring	NWSA 13908	8.73	0.32	0.15	2.13
11. Giate	NWSA 20311	12.20	0.63	2.07	0.305
12. Dalumangcub	NWSA 6277	32.93	0.95	3.10	0.305
13. Dagubongan	NWSA 16221	62.50	0.95	0.62	1.52
14. Banatin	NWSA 20313	24.40	0.63	0.138	4.57
15. Baut	NWSA 196112	25.61	0.63	0.69	0.915
16. Banubo	NWSA 196113	14.63	0.63	0.413	1.52
17. Alamada	NWSA 15426	17.07	0.95	0.52	1.83
18. Raguisi	NWSA 10516	36.59	0.63	0.29	2.13
19. Salimbao	NWSA 13906	14.02	0.32	0.05	6.09
20. Pasungan	NWSA 10515	30.79	0.63	-	-
21. Tula-Tula	NWSA 196218	25.90	0.63	0.413	1.52
22. Ungap	NWSA 20312	36.59	0.63	0.63	1.52
23. Pianring	NWSA 10512	51.83	0.63	-	-
24. Makaguiling	NWSA 20310	8.54	0.63	-	-
25. Macabiao	NWSA 10513	39.02	0.63	0.34	1.83
26. Pigkilegan	NWSA 10514	18.90	0.95	-	-
<b>PAGALUNGAN</b>					
1. Poblacion	NWSA 6017	18.90	0.95	-	0.305
2. Agakan	NWSA 13400	58.54	-	-	-
3. Catitisan	NWSA 13401	56.40	0.38	-	-
4. Layog	NWSA 13399	55.49	-	-	-
5. Dungoan	NWSA 7475	11.28	0.95	0.45	2.13
6. Kolanguan	NWSA 13398	54.88	0.50	0.27	1.83
7. BHP Compound	NWSA 19672	59.45	0.63	0.15	4.27
8. Capitol Site	NWSA 19664	63.11	3.79	1.13	3.35
9. Pagagawan	NWSA 13397	15.55	-	-	-
10. Tungol	NWSA 6062	14.33	-	-	-

Appendix Table 6-1 Water Well Data by Barangay, Province of Maguindanao (cont.)

LOCATION (MUNICIPALITY, Barangay)	WELL NUMBER	DRILLING DEPTH (m)	ACTUAL CAPACITY (lps)	SPECIFIC CAPACITY (lps/m)	STATIC WATER LEVEL (mbgs)
<b>PARANG</b>					
1. Logontongan Bongo	NWSA 19681	36.59	-	-	-
2. Km 110 Sarakan	NWSA 5541	75.61	0.63	2.07	0.305
3. Landasan	NWSA 19689	44.51	-	-	-
4. Gadongan Bongo	NWSA 1968-8	42.38	-	-	-
5. Litayen Bongo	NWSA 19684	21.95	-	-	-
6. Pusaka Bongo	NWSA 19686	80.18	-	-	-
7. Tagudtongan Bongo	NWSA 19862	36.28	0.63	1.03	0.61
8. Gallego Edcor Farm	NWSA 16883	92.99	-	-	-
9. Barong-Barong	NWSA 19687	67.68	-	-	-
10. Lumbayan Bongo	NWSA 19685	27.44	0.44	0.72	0.61
11. 2 <sup>nd</sup> Well Gallego Edcor	NWSA 16884	38.11	-	-	-
<b>TUMBAO</b>					
1. Gayonga	NWSA 7268	29.57	1.26	0.84	1.50
<b>UPI</b>					
1. Public Market Site	NWSA 196215	21.95	-	-	-
2. Barongotan	NWSA 16224	45.73	0.63	-	-
3. Nangi	NWSA 16223	9.15	0.76	0.03	26.52
4. Poblacion Nura	NWSA 16225	13.72	0.76	0.507	1.50
5. Kiblig	NWSA 16222	44.21	-	-	-
<b>AMPATUAN</b>					
1. Villamar	NWSA 196072	28.05	-	-	-
2. Esperanza	NWSA 196073	20.43	0.63	0.42	1.50
<b>BULUAN</b>					
1. Mangalin	NWSA 13409	16.77	0.63	1.03	0.61
2. Sinalukay	NWSA 13410	23.48	0.63	2.03	0.305
3. Pandag	NWSA 196093	41.16	-	-	-
4. Mamali	NWSA 196084	21.34	0.63	0.69	0.92
5. Tamnad	NWSA 13411	14.02	0.63	0.69	0.92
6. Bunawan Settlement	NWSA 14446	16.46	-	-	-
7. Sepaka	NWSA 13412	19.82	0.63	0.69	0.92
8. Alip	NWSA 13408	14.02	0.57	0.93	0.61
9. Bunawan Settlement	NWSA 16882	53.66	0.63	0.15	4.27
<b>DINAIG</b>					
1. Km. 38 Nuro	NWSA 5639	30.79	0.63	0.34	1.83
2. Sapalan Market	NWSA 196086	18.29	0.95	-	-
3. Nabilan	NWSA 16226	25.90	0.76	0.51	1.50
4. Labungan	NWSA 196214	51.83	0.32	0.0145	21.95

Appendix Table 6-1 Water Well Data by Barangay, Province of Maguindanao (cont.)

LOCATION (MUNICIPALITY, Barangay)	WELL NUMBER	DRILLING DEPTH (m)	ACTUAL CAPACITY (lps)	SPECIFIC CAPACITY (lps/m)	STATIC WATER LEVEL (mbgs)
5. Dimapatoy	NWSA 19622	73.17	0.63	0.138	4.57
6. Dimapatoy Primary Sch.	NWSA 196216	73.17	0.95	-	-
7. Lalitay	NWSA 12241	14.63	0.63	2.07	0.305
8. Lenik	NWSA 20315	15.55	0.95	1.56	0.61
9. Dalican	NWSA 6278	55.49	0.95	0.09	10.98
10. Lower Barorao	NWSA 196092	44.21	0.95	3.11	0.305
11. Bito	NWSA 196091	12.50	0.95	3.11	0.305
12. Labungan	NWSA 199115	33.84	-	-	-
13. Sibuto	NWSA 14451	20.73	0.63	-	-
14. Brar	NWSA 195931	33.54	0.63	0.21	3.05
15. Kalanganan	NWSA 16230	7.62	0.63	-	-
16. Bito	NWSA 16229	15.24	0.63	1.03	0.61
17. Brar School	NWSA 196085	18.29	0.63	0.23	2.74
<b>COTABATO CITY</b>					
1. Market Site	NWSA 5487	44.21	1.89	2.07	0.92
2. Tuigon	NWSA 20881	8.54	0.63	0.415	1.52
3. Malagapas	NWSA 196051	25.92	0.63	0.415	1.52
4. Matampay	NWSA 196027	13.72	-	-	-
5. Rosary Height	NWSA 196022	34.15	0.63	0.296	2.13
6. Pagalamatan	NWSA 16228	10.67	0.76	0.62	1.22
7. Hilo Subdivision	NWSA 196245	29.88	-	-	-
8. Banga II	NWSA 7271	15.24	1.26	2.07	0.61
9. Cotabato High School	NWSA 196021	27.44	3.41	0.79	4.27
10. B.P.H. Compound	NWSA 19677	35.06	-	-	-
11. Dunguan, Pagalungan	NWSA 7475	11.28	0.95	0.44	2.13
12. Bagua	NWSA 195912	17.99	0.32	1.03	0.305
13. Lanit, Polomolok	NWSA 195952	15.24	0.32	-	-
14. Magamay	NWSA 196812	19.82	-	-	-
15. Bobong	NWSA 16227	9.15	0.76	0.49	1.52
16. Kalanganan	NWSA 16230	7.62	0.63	0.52	1.22

Appendix Table 9.1.1 Unit Cost of Level I (Shallow Well - 10m Depth)

Work Items	Quantity	Unit	Unit Cost	Cost
<b>A Mobilization/Demobilization</b>	1.0	LS	9,768.90	<b>9,768.90</b>
<b>B Well Drilling and Geophysical Logging</b>				
150-mm Dia. borehole by Rotary Method	10.0	m	1,072.29	10,722.90
Geophysical Borehole Logging	1.0	LS	7,231.00	7,231.00
<b>Sub-Total of (B)</b>				<b>17,953.90</b>
<b>C Well Development/Disinfection</b>				
Well Development By Airlifting Method	12.0	hr	1,172.24	14,066.88
Disinfection	1.0	LS	4,573.32	4,573.32
<b>Sub-Total of (C)</b>				<b>18,640.20</b>
<b>D Furnishing and Installation of 50 mm Dia. Well Casings and Screens, Centralizers, Gravel Packing, Cement Grout, Seal, Handpump and Construction of Platform</b>				
1. Materials				
50mm diam. uPVC Casing Pipes	7.5	m	101.20	759.00
50mm diam. uPVC Well Screens	3.0	m	440.00	1,320.00
Centralizers	3.0	pc	80.00	240.00
Gravel Pack	5.0	m	70.00	350.00
Cement Grout	2.0	m	88.20	176.40
Clay	1.0	m	7.53	7.53
Backfill	2.0	m	6.87	13.74
Hand Pump	1.0	no.	945.00	945.00
Cement	7.0	bag	140.00	980.00
Sand	0.5	m3	400.00	200.00
Gravel	1.0	m3	700.00	700.00
10mmx6m Reinf. Steel Bar	6.0	pc	53.00	318.00
No. 16 GI Wire	0.5	kg	45.00	22.50
CHB	35.0	pc	7.50	262.50
<b>Sub-Total of Materials</b>				<b>6,294.67</b>
2. Labor (40% of Materials)				<b>2,517.87</b>
3. Freight Cost (11% of Materials)				<b>692.41</b>
<b>Sub-Total of (D)</b>				<b>9,504.95</b>
<b>E Water Quality Analysis</b>	1.0	LS	1,300.00	<b>1,300.00</b>
<b>F Indirect Cost</b>				
Profit (10% of A to E)				5,716.80
Overhead Expense (13% of A to E)				7,431.83
VAT (10% of Profit and Overhead Expenses)				1,314.86
<b>Sub-Total of (F)</b>				<b>14,463.49</b>
<b>Total Construction Cost (A+B+C+D+E+F)</b>				<b>71,631.44</b>
<b>G Estimated Government Expenses</b>				
1. Preliminary and Detailed Engineering Cost				
2. Construction Supervision				
<b>Sub-Total of (G)</b>				<b>0.00</b>
<b>GRAND TOTAL</b>				<b>71,631.44</b>
<b>SAY</b>				<b>72,000.00</b>

Note: L.S. - Lump Sum

Source: DILG-RWSSP V Project Standard Cost Estimate in 2002 Price Level.

Cost Adjusted to 2003 Price Level.



Appendix Table 9.1.2 Unit Cost of Level I (Shallow Well - 20m Depth)

Work Items	Quantity	Unit	Unit Cost	Cost
<b>A Mobilization/Demobilization</b>	1.0	LS	11,311.40	<b>11,311.40</b>
<b>B Well Drilling and Geophysical Logging</b>				
200-mm Dia. borehole by Rotary Method	20.0	m	1,214.90	24,298.00
Geophysical Borehole Logging	1.0	LS	7,231.00	7,231.00
<b>Sub-Total of (B)</b>				<b>31,529.00</b>
<b>C Well Development/Disinfection</b>				
Well Development By Airlifting Method	12.0	hr	1,172.24	14,066.88
Disinfection	1.0	LS	4,573.32	4,573.32
<b>Sub-Total of (C)</b>				<b>18,640.20</b>
<b>D Furnishing and Installation of 50 mm Dia. Well Casings and Screens, Centralizers, Gravel Packing, Cement Grout, Seal, Handpump and Construction of Platform</b>				
1. Materials				
100mm diam. uPVC Casing Pipes	17.5	m	310.70	5,437.25
100mm diam. uPVC Well Screens	3.0	m	1,300.00	3,900.00
Centralizers	4.0	pc	80.00	320.00
Gravel Pack	10.0	m	70.00	700.00
Cement Grout	3.0	m	88.20	264.60
Clay	1.0	m	7.53	7.53
Backfill	6.0	m	6.87	41.22
Hand Pump	1.0	no.	945.00	945.00
Cement	7.0	bag	140.00	980.00
Sand	0.5	m3	400.00	200.00
Gravel	1.0	m3	700.00	700.00
10mmx6m Reinf. Steel Bar	6.0	pc	53.00	318.00
No. 16 GI Wire	0.5	kg	45.00	22.50
CHB	35.0	pc	7.50	262.50
<b>Sub-Total of Materials</b>				<b>14,098.60</b>
2. Labor (40% of Materials)				<b>5,639.44</b>
3. Freight Cost (11% of Materials)				<b>1,550.85</b>
<b>Sub-Total of (D)</b>				<b>21,288.89</b>
<b>E Water Quality Analysis</b>	1.0	LS	1,300.00	<b>1,300.00</b>
<b>F Indirect Cost</b>				
Profit (10% of A to E)				8,406.95
Overhead Expense (13% of A to E)				10,929.03
VAT (10% of Profit and Overhead Expenses)				1,933.60
<b>Sub-Total of (F)</b>				<b>21,269.58</b>
<b>Total Construction Cost (A+B+C+D+E+F)</b>				<b>105,339.07</b>
<b>G Estimated Government Expenses</b>				
1. Preliminary and Detailed Engineering Cost				
2. Construction Supervision				
<b>Sub-Total of (G)</b>				<b>0.00</b>
<b>GRAND TOTAL</b>				<b>105,339.07</b>
<b>SAY</b>				<b>105,000.00</b>

Note: L.S. - Lump Sum

Source: DILG-RWSSP V Project Standard Cost Estimate in 2002 Price Level.

Cost Adjusted to 2003 Price Level.

Appendix Table 9.1.3 Unit Cost of Level I (Deep Well - 30m Depth)

Work Items	Quantity	Unit	Unit Cost	Cost
<b>A Mobilization/Demobilization</b>	1.0	LS	11,311.40	<b>11,311.40</b>
<b>B Well Drilling and Geophysical Logging</b>				
200-mm Dia. borehole by Rotary Method	30.0	m	1,369.77	41,093.10
Geophysical Borehole Logging	1.0	LS	7,231.00	7,231.00
<b>Sub-Total of (B)</b>				<b>48,324.10</b>
<b>C Well Development/Disinfection</b>				
Well Development By Airlifting Method	24.0	hr	766.20	18,388.80
Disinfection	1.0	LS	4,453.05	4,453.05
<b>Sub-Total of (C)</b>				<b>22,841.85</b>
<b>D Casings and Screens, Centralizers, Gravel Packing, Cement Grout, Seal, Handpump, Riser pipe and Fittings and Construction of Platform</b>				
1. Materials				
100mm diam. uPVC Casing Pipes	24.5	m	310.70	7,612.15
100mm diam. uPVC Well Screens	6.0	m	1,300.00	7,800.00
Centralizers	4.0	pc	80.00	320.00
Gravel Pack	15.0	m	70.00	1,050.00
Cement Grout	6.0	m	88.20	529.20
Clay	1.0	m	7.53	7.53
Backfill	8.0	m	6.87	54.96
Malawi Deep Well Hnad pump	1.0	no.	9,378.00	9,378.00
50 mm uPVC Riser	18.0	m	101.20	1,821.60
50 mm uPVC Coupling	5.0	no.	14.10	70.50
50 mm Male Threaded Adoptor	1.0	no.	27.00	27.00
Cement	7.0	bag	140.00	980.00
Sand	0.5	m3	400.00	200.00
Gravel	1.0	m3	700.00	700.00
10mmx6m Reinf. Steel Bar	6.0	pc	53.00	318.00
No. 16 GI Wire	0.5	kg	45.00	22.50
CHB	35.0	pc	7.50	262.50
<b>Sub-Total of Materials</b>				<b>31,153.94</b>
2. Labor (40% of Materials)				12,461.58
3. Freight Cost (11% of Materials)				3,426.93
<b>Sub-Total of (D)</b>				<b>47,042.45</b>
<b>E Water Quality Analysis</b>	1.0	LS	1,300.00	<b>1,300.00</b>
<b>F Indirect Cost</b>				
Profit (10% of A to E)				13,081.98
Overhead Expense (13% of A to E)				17,006.57
VAT (10% of Profit and Overhead Expenses)				3,008.86
<b>Sub-Total of (F)</b>				<b>33,097.41</b>
<b>Total Construction Cost (A+B+C+D+E+F)</b>				<b>163,917.21</b>
<b>G Estimated Government Expenses</b>				
1. Preliminary and Detailed Engineering Cost				
2. Construction Supervision				
<b>Sub-Total of (G)</b>				<b>0.00</b>
<b>GRAND TOTAL</b>				<b>163,917.21</b>
<b>SAY</b>				<b>164,000.00</b>

Note: L.S. - Lump Sum

Source: DILG-RWSSP V Project Standard Cost Estimate in 2002 Price Level.

Cost Adjusted to 2003 Price Level.

Appendix Table 9.1.4 Unit Cost of Level I (Deep Well - 50m Depth)

Work Items	Quantity	Unit	Unit Cost	Cost
<b>A Mobilization/Demobilization</b>	1.0	LS	11,311.40	<b>11,311.40</b>
<b>B Well Drilling and Geophysical Logging</b>				
200-mm Dia. borehole by Rotary Method	50.0	m	1,271.32	63,566.00
Geophysical Borehole Logging	1.0	LS	7,231.00	7,231.00
<b>Sub-Total of (B)</b>				<b>70,797.00</b>
<b>C Well Development/Disinfection</b>				
Treatment w/ Polyphosphate and Backwashing	12.0	hr	929.07	11,148.84
Well Development By Airlifting Method	24.0	hr	795.27	19,086.48
Disinfection	1.0	LS	6,370.18	6,370.18
<b>Sub-Total of (C)</b>				<b>17,519.02</b>
<b>D Casings and Screens, Centralizers, Gravel Packing, Cement Grout, Seal, Handpump, Riser pipe and Fittings and Construction of Platform</b>				
1. Materials				
100mm diam. uPVC Casing Pipes	44.5	m	310.70	13,826.15
100mm diam. uPVC Well Screens	6.0	m	1,300.00	7,800.00
Centralizers	4.0	pc	80.00	320.00
Gravel Pack	20.0	m	70.00	1,400.00
Cement Grout	6.0	m	88.20	529.20
Clay	1.0	m	7.53	7.53
Backfill	23.0	m	6.87	158.01
Malawi Deep Well Hnad pump	1.0	no.	9,378.00	9,378.00
50 mm uPVC Riser	18.0	m	101.20	1,821.60
50 mm uPVC Coupling	5.0	no.	14.10	70.50
50 mm Male Threaded Adoptor	1.0	no.	27.00	27.00
Cement	7.0	bag	140.00	980.00
Sand	0.5	m3	400.00	200.00
Gravel	1.0	m3	700.00	700.00
10mmx6m Reinf. Steel Bar	6.0	pc	53.00	318.00
No. 16 GI Wire	0.5	kg	45.00	22.50
CHB	35.0	pc	7.50	262.50
<b>Sub-Total of Materials</b>				<b>37,820.99</b>
2. Labor (40% of Materials)				15,128.40
3. Freight Cost (11% of Materials)				4,160.31
<b>Sub-Total of (D)</b>				<b>57,109.69</b>
<b>E Water Quality Analysis</b>	1.0	LS	1,300.00	<b>1,300.00</b>
<b>F Indirect Cost</b>				
Profit (10% of A to E)				15,803.71
Overhead Expense (13% of A to E)				20,544.82
VAT (10% of Profit and Overhead Expenses)				3,634.85
<b>Sub-Total of (F)</b>				<b>39,983.39</b>
<b>Total Construction Cost (A+B+C+D+E+F)</b>				<b>198,020.50</b>
<b>G Estimated Government Expenses</b>				
1. Preliminary and Detailed Engineering Cost				
2. Construction Supervision				
<b>Sub-Total of (G)</b>				<b>0.00</b>
<b>GRAND TOTAL</b>				<b>198,020.50</b>
<b>SAY</b>				<b>198,000.00</b>

Note: L.S. - Lump Sum

Source: DILG-RWSSP V Project Standard Cost Estimate in 2002 Price Level.  
Cost Adjusted to 2003 Price Level.

Appendix Table 9.1.5 Unit Cost of Level I (Deep Well - 70m Depth)

Work Items	Quantity	Unit	Unit Cost	Cost
<b>A Mobilization/Demobilization</b>	1.0	LS	11,311.40	11,311.40
<b>B Well Drilling and Geophysical Logging</b>				
200-mm Dia. borehole by Rotary Method	70.0	m	1,132.14	79,249.80
Geophysical Borehole Logging	1.0	LS	7,231.00	7,231.00
<b>Sub-Total of (B)</b>				<b>86,480.80</b>
<b>C Well Development/Disinfection</b>				
Treatment w/ Polyphosphate and Backwashing	12.0	hr	929.07	11,148.84
Well Development By Airlifting Method	24.0	hr	795.27	19,086.48
Disinfection	1.0	LS	6,370.18	6,370.18
<b>Sub-Total of (C)</b>				<b>17,519.02</b>
<b>D Furnishing and Installation of 50 mm Dia. Well Casings and Screens, Centralizers, Gravel Packing, Cement Grout, Seal, Handpump, Riser pipe and Fittings and Construction of Platform</b>				
1. Materials				
100mm diam. GI Casing Pipes	64.5	m	663.40	42,789.30
100mm diam. Low Carbon Well Screens	6.0	m	1,666.67	10,000.00
Centralizers	6.0	pc	138.00	828.00
Gravel Pack	20.0	m	70.00	1,400.00
Cement Grout	6.0	m	88.20	529.20
Clay	1.0	m	7.53	7.53
Backfill	43.0	m	6.87	295.41
Malawi Deep Well Hnad pump	1.0	no.	9,378.00	9,378.00
50 mm uPVC Riser	18.0	m	101.20	1,821.60
50 mm uPVC Coupling	5.0	no.	14.10	70.50
50 mm Male Threaded Adoptor	1.0	no.	27.00	27.00
Cement	7.0	bag	140.00	980.00
Sand	0.5	m3	400.00	200.00
Gravel	1.0	m3	700.00	700.00
10mmx6m Reinf. Steel Bar	6.0	pc	53.00	318.00
No. 16 GI Wire	0.5	kg	45.00	22.50
CHB	35.0	pc	7.50	262.50
<b>Sub-Total of Materials</b>				<b>69,629.54</b>
2. Labor (40% of Materials)				27,851.82
3. Freight Cost (11% of Materials)				7,659.25
<b>Sub-Total of (D)</b>				<b>105,140.61</b>
<b>E Water Quality Analysis</b>	1.0	LS	1,300.00	1,300.00
<b>F Indirect Cost</b>				
Profit (10% of A to E)				22,175.18
Overhead Expense (13% of A to E)				28,827.74
VAT (10% of Profit and Overhead Expenses)				5,100.29
<b>Sub-Total of (F)</b>				<b>56,103.21</b>
<b>Total Construction Cost (A+B+C+D+E+F)</b>				<b>277,855.04</b>
<b>G Estimated Government Expenses</b>				
1. Preliminary and Detailed Engineering Cost				
2. Construction Supervision				
<b>Sub-Total of (G)</b>				<b>0.00</b>
<b>GRAND TOTAL</b>				<b>277,855.04</b>
<b>SAY</b>				<b>314,000.00</b>

Note: L.S. - Lump Sum

Source: DILG-RWSSP V Project Standard Cost Estimate in 2002 Price Level.

Cost Adjusted to 2003 Price Level.

Appendix Table 9.1.6 Unit Cost of Level II (Deep Well Source, 600 Service Population)

Work Items	Quantity	Unit	Unit Cost	Cost
<b>A Deep Well Source (30m)</b>	1.0	LS	149,910.66	149,910.66
<b>B Pumping Unit</b>	1.0	LS	70,000.00	70,000.00
<b>C RC Elevated Tank:</b>				
1. Materials				
Portland Cement	211.0	bags	140.00	29,540.00
Waterproofing Compound	100.0	bags	70.00	7,000.00
Washed Sand	13.0	cu.m.	250.00	3,250.00
Crushed Gravel	26.0	cu.m.	400.00	10,400.00
Type A Boulder	3.0	cu.m.	250.00	750.00
16mm x 6m. Reinf. Steel Bars	224.0	pcs.	175.00	39,200.00
12mm x 6m Reinf. Steel Bars	145.0	pcs.	85.00	12,325.00
10mm x 6m Reinf. Steel Bars	89.0	pcs.	60.00	5,340.00
20mm x 6m GI Steel Bars	4.0	pcs.	350.00	1,400.00
Sub-Total of Materials				109,205.00
2. Labor (40% of Materials)				43,682.00
3. Freight Cost (11% of Materials)				12,012.55
Sub-Total of (C)				164,899.55
<b>D Pump House</b>	1.0	LS	30,000.00	30,000.00
<b>E Forms &amp; Scaffoldings</b>	1.0	LS	20,000.00	20,000.00
<b>F Distribution System:</b>				
1. Materials				
50mm GI Pipe, Sch. 40	14.0	m	250.00	3,500.00
50mm uPVC Pipe, Class 150	94.0	m	125.00	11,750.00
38mm uPVC Pipe, Class 150	672.0	m	80.00	53,760.00
25mm uPVC Pipe, Class 150	253.0	m	55.00	13,915.00
Sub-Total of Materials				82,925.00
2. Labor (40% of Materials)				33,170.00
3. Freight Cost (11% of Materials)				9,121.75
Sub-Total of (F)				125,216.75
<b>G Public Faucets, Fire Hydrant and Fittings</b>				
1. Materials				
Faucet W/ RC Stand Posts	33.3	set	2,500.00	83,333.33
Fire Hydrants	4.0	pcs.	7,500.00	30,000.00
Fittings, Appurtenances	1.0	LS	18,000.00	18,000.00
Sub-Total of Materials				131,333.33
2. Labor (40% of Materials)				52,533.33
3. Freight Cost (11% of Materials)				14,446.67
Sub-Total of (G)				198,313.33
<b>H Indirect Cost</b>				
Profit (10% of A to G)				75,834.03
Overhead Expense (13% of A to G)				98,584.24
VAT (10% of Profit and Overhead Expenses)				17,441.83
Sub-Total of (H)				191,860.09
<b>Total Construction Cost (A+B+C+D+E+F+G+H)</b>				950,200.39
<b>I Estimated Government Expenses</b>				
1. Preliminary and Detailed Engineering Cost				
2. Construction Supervision				
Sub-Total of (I)				0.00
<b>Total Estimated Cost</b>				950,200.39
<b>Unit Cost per person Served</b>				1,583.67

Note: L.S. - Lump Sum

Source: DILG Standard Cost Estimate in 2003 Price Level.

Appendix Table 9.1.7 Unit Cost of Level II (Spring Source, 600 Service Population)

Sheet 1 of 2

(Cost: Peso)

Description	Quantity	Unit	Unit Cost	Cost
<b>A. Mobilization/Demobilization</b>		L.S.		<b>5,412.16</b>
<b>B. Construction of Spring Box</b>				
1. Materials		L.S.		43,189.04
2. Labor (35% of 1.)		L.S.		13,965.00
3. Freight Cost (11% of Materials)		L.S.		4,389.00
<b>Sub-Total of B</b>				<b>61,543.04</b>
<b>C. Installation of Pipelines &amp; Fittings</b>				
1. Transmission Main				
(1) Materials				
1) 63mm dia. PVC Pipe (Class 12.5 with pusher type socket)	500	pcs.	969.86	484,929.61
2) 63mm dia. Tee	1	no.	105.00	105.00
3) Solvent Cement	40	cans	54.12	2,164.86
4) 63mm dia. x 50mm dia. Nipple	3	nos.	161.28	483.85
5) 63mm dia. Union Patente	1	pc.	205.66	205.66
6) 63mm dia. x 50mm dia. Reducing Socket	2	pcs.	124.48	248.96
7) 63mm dia. Elbow (90 deg.)	1	pc	89.84	89.84
8) 63mm dia. Elbow (45 deg.)	1	pc.	88.76	88.76
9) 63mm dia. Gate Valve	3	pcs.	910.33	2,730.98
Sub-Total of Materials				491,047.51
(2) Labor (35% of Material Cost)		L.S.		171,866.63
(3) Freight Cost (11% of Materials)		L.S.		54,015.23
Sub-Total of Transmission Main				716,929.37
2. Distribution Pipeline				
(1) Materials				
1) 50mm dia. PVC Pipe (Class 12.5 with pusher type socket)	20	pcs.	536.89	10,737.73
2) 38mm dia. PVC Pipe (Class 12.5 with pusher type socket)	30	pcs.	357.20	10,716.08
3) 20mm dia. PVC Pipe (Class 40 with pusher type socket)	10	pcs.	119.07	1,190.68
4) 13mm dia. x 1 m Stand Pipe	10	pcs.	111.49	1,114.91
5) Solvent Cement	4	cans	54.12	216.49
(6) Fittings				
a. 50mm dia. x 150mm PVC Nipple	3	pcs.	148.29	444.88
b. 32mm dia. x 150mm PVC Nipple	3	pcs.	89.84	269.53
c. 13mm dia. x 150mm PVC Nipple	40	pcs.	29.23	1,169.03
d. 50mm dia. Union Patente	1	pcs.	193.76	193.76
e. 32mm dia. Union Patente	2	pcs.	84.43	168.86
f. 13mm dia. Union Patente	10	pcs.	29.23	292.26
g. 50mm dia. x 32mm dia. Reducing Socket	6	pcs.	107.16	642.96
h. 32mm dia. x 20mm dia. Reducing Socket	10	pcs.	83.35	833.47
i. 13mm dia. x 13mm dia. Reducing Socket	10	pcs.	64.95	649.46

Appendix Table 9.1.8 Unit Cost of Level III (5,000 Service Population)

(Cost: Peso)

Description	Quantity	Unit	Unit Cost	Cost
<b>A. Mobilization/Demobilization</b>		L.S.		<b>357,203</b>
<b>B. Source Development and Storage</b>				
1. Deep Well	1	No.	1,915,904.92	1,915,904.92
2. Deep Well Pump	1	No.	684,097.13	684,097.13
3. Chlorinator House & Equipment	1	L.S.	519,567.44	519,567.44
4. Storage Tank (250 cu.m.)	1	No.	1,298,918.59	1,298,918.59
<b>Sub-Total of B</b>				<b>4,418,488.08</b>
<b>C. Transmission Main</b>				
1. 160mm dia.	500	L.M.	1,335.72	667,860.64
<b>Sub-Total of C</b>			1,335.72 1,103.00	<b>667,860.64</b>
<b>D. Distribution Main</b>				
1. 160mm dia.	1,000	No.	697.14	697,137.33
2. 110mm dia.	3,000	No.	1,103.00	3,308,995.11
3. 90mm dia.	3,000	L.S.	691.67	2,075,022.45
4. 75mm dia.	5,000	No.	644.05	3,220,235.68
<b>Sub-Total of D</b>				<b>9,301,390.57</b>
<b>E. Service Connections</b>	1,000	Nos.	2,314.24	<b>2,314,239.96</b>
<b>F. Miscellaneous</b>				
1. Vehicle	1	No.	655,953.89	655,953.89
2. Office & Workshop Building	1	No.	655,953.89	655,953.89
3. Office Equipment		L.S.		119,067.54
4. Tools and Spare Parts		L.S.		119,067.54
<b>Sub-Total of F</b>				<b>1,550,042.85</b>
<b>Total Direct Cost (A+B+C+D+E+F)</b>				<b>18,609,224.72</b>
<b>G. Indirect Cost (25% of Direct Cost)</b>				<b>4,652,306.18</b>
<b>Total Estimated Cost (2003 Price Level)</b>				<b>23,261,530.89</b>
<b>Unit Cost per Person Served For New Construction</b>				4,652.31
			say	<b>4,600.00</b>
<b>For Expansion of Existing System (Exclude F)</b>				4,342.30
			say	<b>4,300.00</b>

Note: L.S. - Lump Sum

Source: DILG - PW4SP Standard Cost Estimate in 1999 Price Level.

Cost Adjusted to 2003 Price Level.

Appendix Table 9.1.9 Unit Cost of Level III (10,000 Service Population)

(Cost: Peso)

Description	Unit	Unit Cost	Cost
<b>A. Mobilization/Demobilization</b>	L.S.		357,202.61
<b>B. Source Development and Storage</b>			
1. Deep Well	No.	1,915,904.92	1,915,904.92
2. Deep Well Pump	No.	684,097.13	684,097.13
3. Chlorinator House & Equipment	L.S.	519,567.44	519,567.44
4. Storage Tank (250 cu.m.)	No.	1,298,918.59	1,298,918.59
<b>Sub-Total of B</b>			<b>4,418,488.08</b>
<b>C. Transmisison Main</b>			
1. 160mm dia.	L.M.	1,335.72	667,860.64
<b>Sub-Total of C</b>			<b>667,860.64</b>
<b>D. Distribution Main</b>			
1. 160mm dia.	No.	1,335.72	2,671,442.57
2. 110mm dia.	No.	1,103.00	5,514,991.86
3. 90mm dia.	L.S.	691.67	4,150,044.90
4. 75mm dia.	No.	644.05	5,152,377.08
<b>Sub-Total of D</b>			<b>17,488,856.41</b>
<b>E. Service Connections</b>	Nos.	2,099.92	4,199,836.78
<b>F. Miscellaneous</b>			
1. Vehicle	No.	655,953.89	655,953.89
2. Office & Workshop Building	No.	655,953.89	655,953.89
3. Office Equipment	L.S.		119,067.54
4. Tools and Spare Parts	L.S.		119,067.54
<b>Sub-Total of F</b>			<b>1,550,042.85</b>
<b>Total Direct Cost (A+B+C+D+E+F)</b>			<b>28,682,287.38</b>
<b>G. Service Connections</b>	Nos.	2,314.24	7,170,571.84
<b>Total Estimated Cost</b>			<b>35,852,859.22</b>
<b>Unit Cost per Person Served</b>			
<b>For New Construction</b>			3,585.29
<b>For Expansion of Existing System (Exclude F)</b>			3,600.00
			3,430.28
			3,000.00

Note: L.S. - Lump Sum

Source: DILG - PW4SP Standard Cost Estimate in 1999 Price Level.

Cost Adjusted to 2003 Price Level.





Appendix Table 9.1.11 Unit Cost of Flush Water Sealed with Septic Tank Toilet

(Cost: Peso)

Description	Quantity	Unit	Unit Cost	Cost
<b>A. Demolition</b>		L.S.		1,082
<b>B. Earthwork</b>				
1. Materials				
(1) Gravel Fill	1	cu.m.	458.95	458.95
Sub-Total of B-1				458.95
2. Labor				
(1) Excavation	6	cu.m.	141.80	850.79
(2) Backfill	2	cu.m.	128.81	257.62
(3) Gravel Fill	1	cu.m.	167.78	167.78
Sub-Total of B-2				1,276.19
<b>Sub-Total of B</b>				<b>1,735.14</b>
<b>C. Transmisison Main</b>				
1. Materials				
Slab on wood planks				
(1) 16 - 2" x 8" x 6' Coco Lumber	128	bd.ft	8.66	1,108.41
(2) 10mm dia. x 6.0m Rebar	3	pcs.	58.45	175.35
(3) #16 Tie Wire	1	kg.	58.45	29.23
(4) Cement	10	bags	138.55	1,385.51
(5) Sand	2	cu.m	362.61	543.92
(6) Gravel	2	cu.m	458.95	917.90
(7) Stone Lining with Mortar		L.S.	0.00	1,206.91
Sub-Total of C-1				5,367.24
2. Labor (30% of C-1)				1,610.17
<b>Sub-Total of C</b>				<b>6,977.41</b>
<b>D. Carpentry Work</b>				
1. Materials				
(1) Nipa	60	pcs.	2.16	129.89
(2) 1.5m x 1.8m, amakan	3	pcs.	75.77	227.31
(3) 2x3x10' Coco Lumber	20	bd.ft	10.82	216.49
(4) 2x2x10' Coco Lumber	33	bd.ft	10.82	360.45
(5) 3"dia. Bamboo	3	lights	21.65	64.95
(6) Assorted CWN	4	kgs.	43.30	173.19
(7) Rattan wire	20	pcs.	1.08	21.65
Sub-Total of D-1				1,193.92
2. Labor (30% of D-1)				358.18
<b>Sub-Total of D</b>				<b>1,552.10</b>
<b>E. Plumbing</b>				
1. Materials				
(1) Water Closet	1	set	4,870.94	4,870.94
(2) Water line and sanitary fixtures		L.S.		1,623.65
Sub-Total of E-1				6,494.59
2. Labor (30% of E-1)				1,948.38
<b>Sub-Total of E</b>				<b>8,442.97</b>
<b>F. Transportation Cost</b> (excluding indigenous materials)		L.S.		541.22
<b>G. Indirect Cost</b>				
Profit (10% of A-F)				2,033.13
VAT (10% of Profit & Labor)				722.60
<b>Sub-Total of G</b>				<b>2,755.73</b>
<b>Total of Construction Cost</b> <b>(A+B+C+D+E+F+G)</b>				<b>23,087.00</b>
			say	<b>23,000.00</b>

Note: L.S. - Lump Sum

Source: DILG - PW4SP Standard Cost Estimate in 1999 Price Level.

Cost Adjusted to 2003 Price Level.



Appendix Table 9.1.12 Unit Cost of School Toilet

Sheet 2 of 5

(Cost: Peso)

Description	Quantity	Unit	Unit Cost	Cost
(8) Nailers - 2"x2"x12' = 30 pcs.	120.00	bd.ft.	35.72	4,286.43
-2"x2"x10' =36 pcs.	120.00	bd.ft.	35.72	4,286.43
(9) Fascia Board				
1"x12"x12'=4 pcs.	48.00	bd.ft.	35.72	1,714.57
1"x12"x18'=2 pcs.	36.00	bd.ft.	35.72	1,285.93
(10) Wood Plate				
2"x4"x20'=2 pcs.	26.66	bd.ft.	35.72	952.30
(11) 1/4"Thk. Mar. Plywood 4"x 8"	14.00	pcs.	32.47	454.62
(12) C.W.N. Assorted	15.00	kgs.	32.47	487.09
(13) 3" dia. x 3 m Downspout (PVC)	3.00	pcs.	92.01	276.02
(14) 3" dia. Elbow (PVC)	2.00	pcs.	16.24	32.47
(15) 3" dia. Coupling (PVC)	1.00	pcs.	15.15	15.15
(16) Ceiling Vent				
1"x1"x8' = 4 pcs.	2.67	bd.ft.	92.01	245.66
(17) Screen (1/8"x1/8")	1.00	yd.	92.01	92.01
Sub-Total of E-1				30,606.56
2. Labor (30% of E-1)		L.S.		9,181.97
Sub-Total of E				39,788.53
<b>F. Carpentry Work</b>				
1. Materials				
(1) D - 1 Hollow Core Tangle Flush Type Door w/ Louver (.80 x 2.20)	2.00	sets	1,638.80	3,277.60
(2) D - 2 Hollow Core Tangle Flush Type Door (.80 x 2.20)	1.00	sets	1,025.06	1,025.06
(3) D - 3 Louver Door (.60 x 1.40)	5.00	sets	35.72	178.60
(4) Door Jambs (Apitong)				
2" x 6" x 14" = 5 pcs.	14.00	bd.ft.	35.72	500.08
2" x 6" x 10" = 1 pc.	20.00	bd.ft.	35.72	714.41
2" x 6" x 10" = 1 pc.	18.00	bd.ft.	342.05	6,156.87
2" x 6" x 12" = 1 pc.	40.00	bd.ft.	35.72	1,428.81
(5) Wooden Jalousie Window with 5 Blades (.40x.50)	14.00	sets	35.72	500.08
(6) Window Jambs (Apitong)				
2" x 6" x 16" = 5 pcs.	80.00	bd.ft.	35.72	2,857.62
2" x 6" x 14" = 1 pc.	14.00	bd.ft.	35.72	500.08
2" x 6" x 10" = 1 pc.	10.00	bd.ft.	35.72	357.20
(7) Cabinet				
3/4" x 4' x 8' = 1 pc. (plyboard)	1.00	pc.	888.68	888.68
Sub-Total of F-1				18,385.11
2. Labor (30% of F-1)		L.S.		5,515.53
Sub-Total of F				23,900.64
<b>G. Tile Work</b>				
1. Materials				
(1) 4 - 1/4" x 4 - 1/4" Glazed Tiles	1,950.00	pcs.	4.33	8,442.97
(2) 0.10 x 0.20m Floor Tiles	900.00	pcs.	7.58	6,819.32
(3) Cement	4.00	bags	138.55	554.21
(4) White Cement	1.00	bag	750.13	750.13
Sub-Total of G-1				16,566.62
2. Labor (30% of G-1)				4,969.99
Sub-Total of G				21,536.61

Appendix Table 9.1.12 Unit Cost of School Toilet

Sheet 3 of 5

(Cost: Peso)

Description	Quantity	Unit	Unit Cost	Cost
<b>H. Plumbing Works</b>				
1. Materials				
(1) Toilet Bowl - Squat Type	3.00	sets	711.16	2,133.47
(2) Toilet Bowl - Sit Type	2.00	sets	711.16	1,422.32
(3) Lavatory	2.00	sets	3,247.30	6,494.59
(4) 4" dia x 3m PVC San. Pipe	4.00	pcs.	177.52	710.08
(5) 3" dia x 3m PVC San. Pipe	7.00	pcs.	99.58	697.09
(6) 1 1/2" dia. x 3 m PVC San. Pipe	4.00	pcs.	62.78	251.12
(7) 2" dia. x 3 m PVC San. Pipe	2.00	pcs.	59.53	119.07
(8) 6" x 4" Floor Drain	5.00	pcs.	99.58	497.92
(9) 2" dia. Elbow PVC	4.00	pcs.	7.58	30.31
(10) 4" dia. WYB PVC	2.00	pcs.	29.23	58.45
(11) 4" dia. x 3" dia. WYB PVC	12.00	pcs.	35.72	428.64
(12) 4" dia. x 2" dia. TEE PVC	2.00	pcs.	36.80	73.61
(13) 4" dia. TEE PVC	3.00	pcs.	36.80	110.41
(14) 1 1/2" dia. WYB PVC	1.00	pcs.	14.07	14.07
(15) 4" dia. Clean Out PVC	3.00	pcs.	41.13	123.40
(16) 3" dia. Clean Out PVC	1.00	pcs.	32.47	32.47
(17) Faucet	3.00	pcs.	59.53	178.60
(18) 3" dia. x 2" dia. WYB PVC	2.00	pcs.	29.23	58.45
(19) 1 1/2" dia. Elbow PVC	6.00	pcs.	15.15	90.92
(20) PVC Cement	1.00	can	143.96	143.96
(21) 2" dia. PVC San. Pipe x 3m	2.00	pcs.	94.17	188.34
(22) 4" dia. x 2" dia. TEE	2.00	pcs.	24.90	49.79
(23) Check Valve 1 1/2"	1.00	pcs.	216.49	216.49
(24) 4" P-Trap	5.00	pcs.	77.94	389.68
Sub-Total of H-1				14,513.25
2. Labor (30% of H-1)		L.S.		4,353.98
<b>Sub-Total of H</b>				<b>18,867.23</b>
<b>I. Painting</b>				
1. Materials				
(1) Acrylic, Semi-gloss	8.00	gals.	298.75	2,390.01
(2) Concrete Sealer	4.00	gals.	235.97	943.88
(3) Acri Color: Wood	4.00	gals.	90.92	363.70
(4) Enamel, QDE	6.00	gals.	305.25	1,831.48
(5) Wood Putty	1.00	gals.	346.38	346.38
(6) Paint Thinner	1.00	gals.	68.19	68.19
(7) Tinting Color	4.00	gals.	45.46	181.85
(8) Sand Paper (assorted)	15.00	gals.	7.58	113.66
(9) Miscellaneous		L.S.		1,147.38
(10) Roof Paint (green, ready-mix)	2.00	gals.	322.56	645.13
Sub-Total of I-1				8,031.65
2. Labor (30% of I-1)		LS		2,409.49
<b>Sub-Total of I</b>				<b>10,441.14</b>
<b>J. Electrical Work</b>				
1. Materials				
(1) 40 Watts Fluorescent Lamp	2.00	sets	292.26	584.51
(2) Elect. Wire TW#12	24.00	M	7.58	181.85
(3) Elect. Conduit - 1/2" dia. x 10"	4.00	pcs.	88.76	355.04

Appendix Table 9.1.12 Unit Cost of School Toilet

Sheet 4 of 5

(Cost: Peso)

Description	Quantity	Unit	Unit Cost	Cost
(4) Entrance Cap. 1/2" dia.	1.00	pc.	32.47	32.47
(5) Switch Outlet, Flush Type	2.00	pcs.	44.38	88.76
(6) Utility Box 2"x3"	2.00	pcs.	7.58	15.15
(7) Porcelain Receptacle 2" dia.	2.00	pcs.	7.58	15.15
(8) Safety Switch 60A, 250V	1.00	sets	561.78	561.78
(9) Electrical Tape	1.00	roll	24.90	24.90
Sub-Total of J-1				1,859.62
2. Labor (30% of J-1)		L.S.		557.89
Sub-Total of J				2,417.50
<b>K. Hardware</b>				
1. Materials				
(1) 3"x3" Butt Hinges (Loose Pin)	10.00	pcs.	16.24	162.36
(2) 4"x4" Butt Hinges (Loose Pin)	12.00	pcs.	20.57	246.79
(3) Door Lockset (Schlage US)	3.00	pcs.	520.65	1,561.95
(4) Barrel Bolt (4")	5.00	pcs.	45.46	227.31
(5) Cabinet Pull (4")	5.00	pcs.	7.58	37.89
(6) Water Storage Cover Checkered Plate 1/4" thick 1.44x0.645 w/ L bar & flat bar	1.00	set	1,128.98	1,128.98
0.645x0.633 w/ L bar & flatbar	2.00	set	636.47	1,272.94
(7) Padlock	1.00	pcs.	434.06	434.06
Sub-Total of K-1				5,072.28
2. Labor (30% of K-1)		L.S.		1,521.68
Sub-Total of K				6,593.96
<b>L. Septic Tank and Sewage Basin</b>				
1. Materials				
(1) 4" CHB	180.00	pcs.	5.41	974.19
(2) Cement	18.00	bags	138.55	2,493.92
(3) Sand	1.50	cu.m.	362.61	543.92
(4) Gravel	1.00	cu.m.	458.95	458.95
(5) Rebars: 10mm dia. x 6m	29.00	pcs.	80.10	2,322.90
(6) #16 Tire Wire	2.00	kgs.	58.45	116.90
(7) Formworks: Coco Lumber 2"x3"x10' = 12 pcs.	60.00	bd.ft.	8.66	519.57
1/4" plywood ord. 4'x8'	2.00	pcs.	482.76	965.53
C.W.N. (assorted)	2.00	kgs.	33.56	67.11
Sub-Total of L-1				8,463.00
2. Labor (30% of L-1)		L.S.		2,538.90
Sub-Total of L				11,001.89
<b>M. Shallow Well (18 depth)</b>				
a. Drilling of Well & Installation of Steel Casing/Screen				
1. Materials				
(1) 63mm x 6m PVC Pipe with socket	2.00	pcs.	969.86	1,939.72
(2) 63mm x 3m PVC Pipe with plug	1.00	pc.	489.26	489.26
(3) 63mm PVC Socket	1.00	pc.	107.16	107.16
(4) 63mm x 3m PVC Screen	1.00	pc.	1,551.13	1,551.13
Sub-Total of M-a-1				4,087.26

Appendix Table 9.1.12 Unit Cost of School Toilet

Sheet 5 of 5

(Cost: Peso)

Description	Quantity	Unit	Unit Cost	Cost
2. Labor, Fuel, Lubricant & others Well Drilling for 18m depth at 150mm borehole	18.00	m	620.23	11,164.21
Sub-Total of M-a-2				11,164.21
Sub-Total of M-a				15,251.47
<b>b. Well Development</b>		L.S.		595.34
<b>c. Gravel Packing, Installation of Handpump &amp; Construction of Platform</b>				
1. Materials				
(1) 50mm Jetmatic Handpump	1.00	set	2,839.22	2,839.22
(2) 50mm x 1m GI Pipe (Sch.40)	1.00	pc.	88.76	88.76
(3) #10 Sieved Gravel	0.10	cu.m.	1,038.05	103.81
(4) Coarse Sand	0.07	cu.m.	513.07	35.92
(5) Cement for Sanitary Seal	1.00	bag	138.55	138.55
(6) Pump Base and Platform				
1) Cement	4.00	bags	138.55	554.21
2) Gravel	1.00	cu.m.	458.95	458.95
3) Sand	1.00	cu.m.	362.61	362.61
4) Plywood (1,200mm x 2,400mm x 6mm)	1.00	pc.	482.76	482.76
5) Form Lumber (50mm x 75mm x 1,800mm)	1.00	pc.	53.04	53.04
6) Nail	1.00	kg.	33.56	33.56
Sub-Total of M-c-1				5,151.38
2. Labor (40% of M-c-1)		L.S.		2,060.55
Sub-Total of M-c-1				7,211.93
<b>N. Freight Cost (11% of Materials for A-M excluding sand &amp; gravel)</b>		L.S.		17,442.13
<b>O. Indirect Cost</b>				
Profit (10% of A-N)				24,615.86
VAT (10% of Profit & Labor)				6,340.61
Sub-Total of O				30,956.46
<b>Total Construction Cost (A - O)</b>				269,075.50
<b>P. Estimated Government Expenses</b>				
1. Preliminary & Detailed Engineering Cost		L.S.		
2. Construction Supervision		L.S.		
Sub-Total of P				0.00
<b>GRAND TOTAL</b>				269,075.50
			say	269,000.00

Note: L.S. - Lump Sum

Source: DILG - PW4SP Standard Cost Estimate in 1999 Price Level.

Cost Adjusted to 2003 Price Level.

Appendix Table 9.1.13 Unit Cost of Public Toilet

Sheet 1 of 5

(Cost: Peso)

Description	Quantity	Unit	Unit Cost	Cost
<b>A. Mobilization and Demobilization</b>		L.S.		7,361
<b>B. Earthwork</b>				
1. Materials				
(1) Gravel Fill	3.00	cu.m.	458.95	1,376.85
Sub-Total of B-1				1,376.85
2. Labor				
(1) Excavation	15.88	cu.m.	141.80	2,251.76
(2) Backfill	4.97	cu.m.	128.81	640.18
(3) Gravel Fill	3.00	cu.m.	167.78	503.33
Sub-Total of B-2				3,395.28
<b>Sub-Total of B</b>				<b>4,772.13</b>
<b>C. Concrete Work</b>				
1. Materials				
(1) Cement	61.00	bags	138.55	8,451.63
(2) Sand	4.00	cu.m.	362.61	1,450.46
(3) Gravel	8.00	cu.m.	458.95	3,671.61
(4) Rebars: 12mm dia. x 6m	38.00	pcs.	80.10	3,043.80
10mm dia. x 6m	57.00	pcs.	58.45	3,331.73
(5) #16 Tie Wire	8.00	kgs.	58.45	467.61
(6) Formworks:				
1/4" Plywood	6.00	pcs.	482.76	2,896.59
2"x2"x10" Coco Lumber	200.00	bd.ft.	8.66	1,731.89
Sub-Total of C-1				25,045.32
2. Labor (30% of C-1)		L.S.		7,513.59
<b>Sub-Total of C</b>				<b>32,558.91</b>
<b>D. Masonry Work</b>				
1. Materials				
(1) 6"CHB	800.00	pcs.	6.49	5,195.67
(2) 4"CHB	260.00	pcs.	5.41	1,407.16
(3) Cement	97.00	bags	138.55	13,439.48
(4) Sand	10.00	cu.m.	362.61	3,626.15
(5) Rebars: 12mm dia. x 6m	30.00	pcs.	80.10	2,403.00
10mm dia. x 6m	11.00	pcs.	58.45	642.96
(6) #16 Tie Wire	4.00	kgs.	58.45	233.81
(7) Scaffolding				
2"x4"x8" = 10 pcs. Coco Lumber	53.33	bd.ft.	8.66	461.81
Sub-Total of D-1				27,410.04
2. Labor (30% of D-1)		L.S.		8,223.01
<b>Sub-Total of D</b>				<b>35,633.05</b>
<b>E. Roofing Works</b>				
1. Materials				
(1) GA #26 Corr. GI(1=10')	20.00	bd.ft	313.91	6,278.11
(2) GA #24 Pln. GI Flashing	3.00	pcs.	303.08	909.24
(3) GA #24 Pln. GI Gutter (Pre-Fab)	9.00	kg.	303.08	2,727.73
(4) Umbrella Nails 2 - 1/2"	12.00	bags	49.79	597.50
(5) Rafter - 2"x5"x18' = 5 pcs.	75.00	bd.ft.	35.72	2,679.02
(6) Purlins - 2"x2"x12' = 18 pcs.	72.00	bd.ft.	35.72	2,571.86
(7) WD Cleats - 2"x2"x10' = 6 pcs.	20.00	bd.ft.	35.72	714.41



Appendix Table 9.1.13 Unit Cost of Public Toilet

Sheet 2 of 5

(Cost: Peso)

Description	Quantity	Unit	Unit Cost	Cost
(8) Nailers - 2"x2"x12' = 30 pcs.	120.00	bd.ft.	35.72	4,286.43
-2"x2"x10' = 36 pcs.	120.00	bd.ft.	35.72	4,286.43
(9) Fascia Board				
1"x12"x12' = 4 pcs.	48.00	bd.ft.	35.72	1,714.57
1"x12"x18' = 2 pcs.	36.00	bd.ft.	35.72	1,285.93
(10) Wood Plate			0.00	
2"x4"x20' = 2 pcs.	26.66	bd.ft.	35.72	952.30
(11) 1/4" Thk. Mar. Plywood 4"x 8"	14.00	pcs.	518.49	7,258.79
(12) C.W.N. Assorted	15.00	kgs.	32.47	487.09
(13) 3" dia. x 3 m Downspout (PVC)	3.00	pcs.	92.01	276.02
(14) 3" dia. Elbow (PVC)	2.00	pcs.	16.24	32.47
(15) 3" dia. Coupling (PVC)	1.00	pcs.	15.15	15.15
(16) Ceiling Vent				
1"x1"x8' = 4 pcs.	2.67	bd.ft.	29.23	78.03
(17) Screen (1/8"x1/8")	1.00	yd.	92.01	92.01
Sub-Total of E-1				37,243.10
2. Labor (30% of E-1)		L.S.		11,172.93
<b>Sub-Total of E</b>				<b>48,416.03</b>
<b>F. Carpentry Work</b>				
1. Materials				
(1) D - 1 Hollow Core Tangle Flush Type Door w/ Louver (.80 x 2.20)	2.00	sets	1,638.80	3,277.60
(2) D - 2 Hollow Core Tangle Flush Type Door (.60 x 2.10)	1.00	sets	1,229.64	1,229.64
(3) D - 3 Louver Door (.60 x 1.40)	5.00	sets	1,025.06	5,125.32
(4) Door Jambs (Apitong)				
2" x 6" x 14" = 1 pc.	14.00	bd.ft.	35.72	500.08
2" x 6" x 10" = 2 pcs.	20.00	bd.ft.	35.72	714.41
2" x 6" x 10" = 1 pc.	18.00	bd.ft.	35.72	642.96
2" x 4" x 12" = 5 pcs.	40.00	bd.ft.	35.72	1,428.81
(5) Wooden Jalousie Window with 5 Blades (.40x.50)	14.00	sets	322.56	4,515.91
(6) Window Jambs (Apitong)				
2" x 6" x 16" = 5 pcs.	80.00	bd.ft.	35.72	2,857.62
2" x 6" x 14" = 1 pc.	14.00	bd.ft.	35.72	500.08
2" x 6" x 10" = 1 pc.	10.00	bd.ft.	35.72	357.20
(7) Cabinet			0.00	
3/4" x 4' x 8' = 1 pc. (plyboard)	1.00	pc.	888.68	888.68
Sub-Total of F-1				22,038.32
2. Labor (30% of F-1)		L.S.		6,611.50
<b>Sub-Total of F</b>				<b>28,649.81</b>
<b>G. Tile Work</b>				
1. Materials				
(1) 4 - 1/4" x 4 - 1/4" Glazed Tiles	1,950.00	pcs.	4.00	7,800.00
(2) 0.10 x 0.20m Floor Tiles	900.00	pcs.	7.00	6,300.00
(3) Cement	4.00	bags	128.00	512.00
(4) White Cement	1.00	bag	693.00	693.00
(5) Tiles Fittings		L.S.		5,280.00
Sub-Total of G-1				20,585.00

Appendix Table 9.1.13 Unit Cost of Public Toilet

Sheet 3 of 5

(Cost: Peso)

Description	Quantity	Unit	Unit Cost	Cost
2. Labor (30% of G-1)				6,175.50
Sub-Total of G				26,760.50
<b>H. Plumbing Works</b>				
1. Materials				
(1) Urinal	3.00	sets	1,267.53	3,802.58
(2) Toilet Bowl - Squat Type	6.00	sets	711.16	4,266.95
(3) 4" dia x 3m PVC San. Pipe	6.00	pcs.	177.52	1,065.11
(4) 3" dia x 3m PVC San. Pipe	4.00	pcs.	99.58	398.34
(5) 2" dia x 3m PVC San. Pipe	3.00	pcs.	59.53	178.60
(6) 3/4" dia. x 6 m GI Pipe Sch.40	5.00	pcs.	291.17	1,455.87
(7) 1/2" dia x 6m GI Pipe Sch.40	1.00	pcs.	213.24	213.24
(8) 4" x 4" WYE PVC	1.00	pcs.	29.23	29.23
(9) 3" dia. Elbow PVC	10.00	pcs.	35.72	357.20
(10) 3" dia. 45 deg. Bend PVC	2.00	pcs.	29.23	58.45
(11) 2" dia. Elbow PVC	6.00	pcs.	7.58	45.46
(12) 2" dia.45 deg. Bend PVC	2.00	pcs.	23.81	47.63
(13) 1/2" dia. Elbow GI	5.00	pcs.	11.91	59.53
(14) 4" dia. 3 dia. WYE PVC	8.00	pcs.	47.63	381.02
(15) 3/4" dia. TEE GI	7.00	pcs.	47.63	333.39
(16) 1/2" dia. TEE GI	5.00	pcs.	23.81	119.07
(17) 4" dia. X 2" dia. TEE PVC	6.00	pcs.	47.63	285.76
(18) 4" dia. Clean Out PVC	3.00	pcs.	41.13	123.40
(19) 2" dia. Clean Out PVC	1.00	pcs.	29.23	29.23
(20) Faucet	10.00	pcs.	59.53	595.34
(21) 3" dia. x 2" dia. Elbow Reducer PVC	1.00	pcs.	32.47	32.47
(22) 3" dia. x 2" dia. WYE PVC	3.00	pcs.	29.23	87.68
(23) 2" dia. x 2" dia. WYE PVC	3.00	pcs.	17.32	51.96
(24) PVC Cement	1.00	can	143.96	143.96
(25) 4" dia. x 2" dia. WYE PVC	2.00	pcs.	47.63	95.25
(26) Gate Valve 3/4" dia.	1.00	pcs.	143.96	143.96
(27) Gate Valve 1/2" dia.	1.00	pcs.	113.66	113.66
(28) Water Meter 3/4" dia.	1.00	pcs.	1,504.58	1,504.58
(29) 3/4" dia. x 1/2" dia Elbow Reducer GI	1.00	pcs.	16.24	16.24
Sub-Total of H-1				16,035.15
2. Labor (30% of H-1)		L.S.		4,810.55
Sub-Total of H				20,845.70
<b>I. Painting</b>				
1. Materials				
(1) Acrylic, Semi-gloss	8.00	gals.	298.75	2,390.01
(2) Concrete Sealer	4.00	gals.	235.97	943.88
(3) Acri Color: Wood	4.00	gals.	90.92	363.70
(4) Enamel, QDE	6.00	gals.	305.25	1,831.48
(5) Wood Putty	1.00	gals.	346.38	346.38
(6) Paint Thinner	1.00	gals.	68.19	68.19
(7) Tinting Color	4.00	gals.	45.46	181.85
(8) Sand Paper (assorted)	15.00	gals.	7.58	113.66
(9) Miscellaneous		L.S.	0.00	1,153.87
(10) Roof Paint (green, ready-mix)	2.00	gals.	322.56	645.13
Sub-Total of I-1				8,038.14

Appendix Table 9.1.13 Unit Cost of Public Toilet

Sheet 4 of 5

(Cost: Peso)

Description	Quantity	Unit	Unit Cost	Cost
2. Labor (30%of I-1)		L.S.		2,411.44
Sub-Total of I				10,449.58
<b>J. Electrical Work</b>				
1. Materials				
(1) 40 Watts Fluorescent Lamp	2.00	sets	292.26	584.51
(2) Elect. Wire TW#12	24.00	M	7.58	181.85
(3) Elect. Conduit - 1/2" dia. x 10"	4.00	pcs.	88.76	355.04
(4) Entrance Cap. 1/2" dia.	1.00	pc.	32.47	32.47
(5) Switch Outlet, Flush Type	2.00	pcs.	44.38	88.76
(6) Utility Box 2"x3"	2.00	pcs.	7.58	15.15
(7) Porcelain Receptacle 2"dia.	2.00	pcs.	7.58	15.15
(8) Safety Switch 60A, 250V	1.00	sets	561.78	561.78
(9) Electrical Tape	1.00	roll	24.90	24.90
Sub-Total of J-1				1,859.62
2. Labor (30%of J-1)		L.S.		557.89
Sub-Total of J				2,417.50
<b>K. Hardware</b>				
1. Materials				
(1) 3"x3" Butt Hinges (Loose Pin)	10.00	pcs.	16.24	162.36
(2) 4"x4" Butt Hinges (Loose Pin)	12.00	pcs.	20.57	246.79
(3) Door Lockset (Schlage US)	3.00	pcs.	520.65	1,561.95
(4) Barrel Bolt (4")	5.00	pcs.	45.46	227.31
(5) Cabinet Pull (4")	5.00	pcs.	7.58	37.89
(6) Water Storage Cover				
Checkered Plate 1/4" thick				
1.44x0.645 w/ L bar & flat bar	1.00	set	1,128.98	1,128.98
0.645x0.633 w/ L bar & flatbar	2.00	set	636.47	1,272.94
(7) Padlock	1.00	pcs.	434.06	434.06
Sub-Total of K-1				5,072.28
2. Labor (30%of K-1)		L.S.		1,521.68
Sub-Total of K				6,593.96
<b>L. Septic Tank and Sewage Basin</b>				
1. Materials				
(1) 4" CHB	180.00	pcs.	5.41	974.19
(2) Cement	18.00	bags	138.55	2,493.92
(3) Sand	1.50	cu.m.	362.61	543.92
(4) Gravel	1.00	cu.m.	458.95	458.95
(5) Rebars:10mm dia.x 6m	29.00	pcs.	80.10	2,322.90
(6) #16 Tire Wire	2.00	kgs.	58.45	116.90
(7) Formworks: Coco Lumber				
2"x3"x10' = 12 pcs.	60.00	bd.ft.	8.66	519.57
1/4" plywood ord. 4'x8'	2.00	pcs.	482.76	965.53
C.W.N. (assorted)	2.00	kgs.	33.56	67.11
Sub-Total of L-1				8,463.00
2. Labor (30%of L-1)		L.S.		2,538.90
Sub-Total of L				11,001.89
<b>M. Concrete Water Tank (Elevated)</b>				
1. Earth Work				
(1) Materials				
1) Gravel Fill	1.00	cu.m.	458.95	458.95

Appendix Table 9.1.13 Unit Cost of Public Toilet

Sheet 5 of 5

(Cost: Peso)

Description	Quantity	Unit	Unit Cost	Cost
Sub-Total of M-1 (1)				458.95
(2) Labor				
1) Excavation	14.70	cu.m.	141.80	2,084.44
2) Backfill	13.08	cu.m.	128.81	1,684.83
3) Gravel Fill	1.00	cu.m.	167.78	167.78
Sub-Total of M-1 (2)				3,937.04
Sub-Total of M-1				4,396.00
2. Materials				
(1) Cement	62.00		138.55	8,590.18
(2) Sand	4.50		362.61	1,631.77
(3) Gravel	8.00		458.95	3,671.61
(4) Rebars: 12mm dia. x 6m	160.00		58.45	9,352.21
(5) #16 Tie Wire	4.00		58.45	233.81
(6) Formworks:				
1/4" plywood	12.00		482.76	5,793.18
2"x3"x16' = 60 pcs.	480.00		8.66	4,156.54
(7) CWN (assorted)	5.00		33.56	167.78
Sub-Total of M-2				33,597.07
3. Labor (30% of M-2)				10,079.12
Sub-Total of M				48,072.19
N. Freight Cost (11% of Materials for A-M . excluding sand & gravel)		L.S.		20,734.64
O. Indirect Cost				
Profit (10% of A-M)				28,353.18
VAT (10% of Profit & Labor)				9,730.16
Sub-Total of O				38,083.34
Total Construction Cost (A to O)				342,349.79
P. Estimated Government Expenses				
1. Preliminary & Detailed Engineering Cost		L.S.		
2. Construction Supervision		L.S.		
Sub-Total of P				0.00
<b>GRAND TOTAL</b>				342,349.79
			say	342,000.00

Note: L.S. - Lump Sum

Source: DILG - PW4SP Standard Cost Estimate in 1999 Price Level.

Cost Adjusted to 2003 Price Level.

Appendix Table 9.3.1 - Quantities

Municipality	Phase I (2005-2010) Requirement													
	Urban Area					Rural Area								
	Water Supply			Sanitation		Water Supply			Sanitation					
	Level III Served Pop	Level II Served Pop	Level I No. of wells	HH Flush	HH Pour Flush	Public School	Public Utilities	Level III Served Pop	Level II Served Pop	Level I No. of wells	HH Flush	HH Pour Flush	Public School	Public Utilities
1 Ampatuan	0	3,315	0	0	196	1	1	0	3,762	244	0	949	3	0
2 Barira	0	2,852	0	0	80	1	1	0	732	138	0	203	21	0
3 Buldon	0	2,809	0	0	48	1	1	0	2,653	247	0	485	5	0
4 Buluan	6,678	0	0	56	0	1	1	6,116	0	181	0	164	13	0
5 Datu Odin Sinsuat	0	1,971	57	303	108	1	1	0	7,070	603	637	1,519	10	0
6 Datu Paglas	0	1,426	0	0	44	1	1	0	640	219	0	337	3	0
7 Datu Piang	5,640	0	0	92	0	1	1	0	0	264	0	255	0	0
8 Datu Saudi	0	0	0	0	0	0	0	0	1,516	249	0	324	1	1
9 Datu Unsay	0	0	0	0	0	0	0	0	1,387	95	0	452	0	1
10 Gen. S. K. Pendatun	0	2,040	27	0	184	1	1	0	4,319	170	0	708	2	0
11 Guindulungan	0	0	0	0	0	0	0	0	0	288	0	359	5	1
12 Kabuntalan	0	2,240	6	0	91	4	1	0	0	259	0	402	7	0
13 Mamasapano	0	0	8	0	7	1	1	0	2,383	139	0	161	2	0
14 Matanog	0	0	0	0	40	1	1	0	3,994	74	0	256	12	0
15 Pagagawan	0	0	0	0	0	0	0	5,193	0	297	108	686	4	1
16 Pagalungan	3,441	0	13	399	77	1	1	0	0	310	0	1,545	3	0
17 Paglat	0	0	0	0	0	0	0	0	0	67	0	88	1	1
18 Parang	4,493	1,529	181	437	252	2	1	0	0	277	135	476	2	0
19 Shariff Aguak	4,800	0	0	304	0	0	1	3,499	1,941	175	344	646	1	0
20 South Upi	4,267	0	35	246	93	0	1	0	0	251	0	659	1	0
21 Sultan Kudarat	0	0	5	227	0	0	1	1,766	811	512	854	1,270	7	0
22 Sultan Mastura	0	0	0	0	0	0	0	0	1,693	157	0	471	2	1
23 Sultan Sa Barongis	0	2,419	7	0	281	3	1	0	0	319	0	1,575	5	0
24 Talayan	0	1,673	14	0	93	1	1	0	793	251	0	453	3	0
25 Talitay	0	0	0	0	0	0	0	0	0	316	0	682	15	1
26 Upi	3,030	0	0	0	66	1	1	0	0	471	0	622	7	0
Provincial Total	32,349	22,275	354	2,063	1,659	22	19	16,574	33,695	6,574	2,078	15,746	136	7

Appendix Table 9.3.1 - Quantities (Cont.)

Municipality	Phase II (2010-2015) Requirement													
	Urban Area					Rural Area								
	Water Supply			Sanitation		Water Supply			Sanitation					
	Level III Served Pop	Level II Served Pop	Level I No. of wells	HH Flush	HH Pour Flush	Public School	Public Utilities	Level III Served Pop	Level II Served Pop	Level I No. of wells	HH Flush	HH Pour Flush	Public School	Public Utilities
1 Ampatuan	0	995	4	0	157	1	1	3,429	4,042	204	125	654	1	0
2 Barira	0	607	0	0	159	1	1	0	218	142	0	428	1	0
3 Buldon	0	1,194	13	0	213	1	1	3,610	0	271	0	876	3	0
4 Buluan	1,353	0	0	252	0	0	1	1,239	0	178	0	727	0	0
5 Datu Odin Sinsuat	0	647	4	278	99	1	1	0	2,320	462	594	1,425	5	0
6 Datu Paglas	0	461	3	0	85	1	1	0	214	224	0	651	1	0
7 Datu Piang	1,405	0	0	52	0	0	1	0	0	266	0	143	1	0
8 Datu Saudi	0	0	0	0	0	0	0	0	394	251	0	203	1	1
9 Datu Unsay	0	0	0	0	0	0	0	0	352	97	0	527	0	1
10 Gen. S. K. Pendatun	0	599	30	0	272	0	1	0	1,267	181	0	1,044	1	0
11 Guindulungan	0	0	0	0	0	0	0	0	0	329	0	613	2	1
12 Kabuntalan	0	793	12	0	162	1	1	0	0	276	0	757	2	0
13 Mamasapano	0	0	8	0	18	0	1	0	617	141	0	403	0	0
14 Matanog	0	0	33	0	81	0	0	0	1,320	127	0	509	2	0
15 Pagagawan	0	0	0	0	0	0	0	2,001	0	344	184	1,207	3	1
16 Pagalungan	1,301	0	26	362	64	0	1	0	0	339	0	1,409	2	0
17 Paglat	0	0	0	0	0	0	0	0	0	70	0	180	0	1
18 Parang	1,964	460	47	391	74	1	1	0	0	252	115	395	2	0
19 Shariff Aguak	1,216	0	0	355	0	0	1	887	492	177	402	760	1	0
20 South Upi	1,316	0	40	258	98	0	1	0	0	237	0	699	1	0
21 Sultan Kudarat	0	0	7	423	0	0	1	753	308	669	1,595	2,370	3	0
22 Sultan Mastura	0	0	0	0	0	0	0	0	524	168	0	881	1	1
23 Sultan Sa Barongis	0	985	0	0	291	0	1	0	0	332	0	2,151	1	0
24 Talayan	0	709	23	0	159	0	1	0	336	288	0	774	1	0
25 Talitay	0	0	0	0	0	0	0	0	0	359	0	882	3	1
26 Upi	804	0	1	157	0	1	1	0	0	480	0	1,404	3	0
Provincial Total	9,360	7,449	253	2,528	1,931	8	19	11,919	12,405	6,863	3,016	22,074	41	7

Appendix Table 9.3.2 - Unit Cost

Municipality	Phase I (2005-2010) Requirement													
	Urban Area						Rural Area							
	Water Supply			Sanitation			Water Supply			Sanitation				
	Level III per served population	Level II per served population	Level I per well	HH Flush per unit	HH Pour Flush per unit	Public School per unit	Public Utilities per unit	Level III per served population	Level II per served population	Level I per well	HH Flush per unit	HH Pour Flush per unit	Public School per unit	Public Utilities per unit
1 Ampatuan	4,652	1,584	164,000	4,871	653	271,000	342,000	4,652	1,584	164,000	4,871	653	271,000	342,000
2 Barira	4,652	1,584	198,000	4,871	653	271,000	342,000	4,652	1,584	198,000	4,871	653	271,000	342,000
3 Buldon	4,652	1,584	198,000	4,871	653	271,000	342,000	4,652	1,584	198,000	4,871	653	271,000	342,000
4 Buluan	3,585	1,584	105,000	4,871	653	271,000	342,000	3,585	1,584	105,000	4,871	653	271,000	342,000
5 Datu Odin Sinsuat	4,652	1,584	198,000	4,871	653	271,000	342,000	4,652	1,584	198,000	4,871	653	271,000	342,000
6 Datu Paglas	4,652	1,584	105,000	4,871	653	271,000	342,000	4,652	1,584	105,000	4,871	653	271,000	342,000
7 Datu Piang	3,585	1,584	105,000	4,871	653	271,000	342,000	4,652	1,584	105,000	4,871	653	271,000	342,000
8 Datu Saudi	4,652	1,584	105,000	4,871	653	271,000	342,000	4,652	1,584	105,000	4,871	653	271,000	342,000
9 Datu Unsay	4,652	1,584	105,000	4,871	653	271,000	342,000	4,652	1,584	105,000	4,871	653	271,000	342,000
10 Gen. S. K. Pendatun	4,652	1,584	105,000	4,871	653	271,000	342,000	4,652	1,584	105,000	4,871	653	271,000	342,000
11 Guindulungan	4,652	1,584	105,000	4,871	653	271,000	342,000	4,652	1,584	105,000	4,871	653	271,000	342,000
12 Kabuntalan	4,652	1,584	105,000	4,871	653	271,000	342,000	4,652	1,584	105,000	4,871	653	271,000	342,000
13 Manasapano	4,652	1,584	105,000	4,871	653	271,000	342,000	4,652	1,584	105,000	4,871	653	271,000	342,000
14 Matanog	4,652	1,584	105,000	4,871	653	271,000	342,000	4,652	1,584	105,000	4,871	653	271,000	342,000
15 Pagagawan	3,585	1,584	105,000	4,871	653	271,000	342,000	3,585	1,584	105,000	4,871	653	271,000	342,000
16 Pagalungan	4,652	1,584	105,000	4,871	653	271,000	342,000	4,652	1,584	105,000	4,871	653	271,000	342,000
17 Paglat	4,652	1,584	105,000	4,871	653	271,000	342,000	4,652	1,584	105,000	4,871	653	271,000	342,000
18 Parang	3,430	1,584	314,000	4,871	653	271,000	342,000	4,652	1,584	105,000	4,871	653	271,000	342,000
19 Shariff Aguak	3,585	1,584	105,000	4,871	653	271,000	342,000	3,585	1,584	105,000	4,871	653	271,000	342,000
20 South Upi	3,585	1,584	314,000	4,871	653	271,000	342,000	3,585	1,584	105,000	4,871	653	271,000	342,000
21 Sultan Kudarat	4,342	1,584	105,000	4,871	653	271,000	342,000	4,342	1,584	105,000	4,871	653	271,000	342,000
22 Sultan Mastura	4,342	1,584	105,000	4,871	653	271,000	342,000	4,652	1,584	105,000	4,871	653	271,000	342,000
23 Sultan Sa Barongis	4,652	1,584	105,000	4,871	653	271,000	342,000	4,652	1,584	105,000	4,871	653	271,000	342,000
24 Talayan	4,652	1,584	105,000	4,871	653	271,000	342,000	4,652	1,584	105,000	4,871	653	271,000	342,000
25 Tahitay	4,652	1,584	105,000	4,871	653	271,000	342,000	4,652	1,584	105,000	4,871	653	271,000	342,000
26 Upi	4,652	1,584	105,000	4,871	653	271,000	342,000	4,652	1,584	105,000	4,871	653	271,000	342,000

Appendix Table 9.3.2 - Unit Cost (Cont.)

Municipality		Phase II (2010-2015) Requirement													
		Urban Area						Rural Area							
		Water Supply			Sanitation			Water Supply			Sanitation				
Level III	Level II	Level I	HH Flush	HH Pour Flush	Public School	Public Utilities	Level III	Level II	Level I	HH Flush	HH Pour Flush	Public School	Public Utilities		
per served population	per served population	per well	per unit	per unit	per unit	per unit	per served population	per served population	per well	per unit	per unit	per unit	per unit		
1	Amptatuan	4,652	1,584	164,000	4,871	653	271,000	342,000	4,652	1,584	164,000	4,871	653	271,000	342,000
2	Barira	4,652	1,584	198,000	4,871	653	271,000	342,000	4,652	1,584	198,000	4,871	653	271,000	342,000
3	Buldon	4,652	1,584	198,000	4,871	653	271,000	342,000	4,652	1,584	198,000	4,871	653	271,000	342,000
4	Buluau	4,342	1,584	105,000	4,871	653	271,000	342,000	4,342	1,584	105,000	4,871	653	271,000	342,000
5	Datu Odin Sinsuat	4,652	1,584	198,000	4,871	653	271,000	342,000	4,652	1,584	198,000	4,871	653	271,000	342,000
6	Datu Paglas	4,652	1,584	105,000	4,871	653	271,000	342,000	4,652	1,584	105,000	4,871	653	271,000	342,000
7	Datu Piang	4,342	1,584	105,000	4,871	653	271,000	342,000	4,342	1,584	105,000	4,871	653	271,000	342,000
8	Datu Saudi	4,652	1,584	105,000	4,871	653	271,000	342,000	4,652	1,584	105,000	4,871	653	271,000	342,000
9	Datu Unsay	4,652	1,584	105,000	4,871	653	271,000	342,000	4,652	1,584	105,000	4,871	653	271,000	342,000
10	Gen. S. K. Pendatun	4,652	1,584	105,000	4,871	653	271,000	342,000	4,652	1,584	105,000	4,871	653	271,000	342,000
11	Guindulungan	4,652	1,584	105,000	4,871	653	271,000	342,000	4,652	1,584	105,000	4,871	653	271,000	342,000
12	Kabuntalan	4,652	1,584	105,000	4,871	653	271,000	342,000	4,652	1,584	105,000	4,871	653	271,000	342,000
13	Mamasapano	4,652	1,584	105,000	4,871	653	271,000	342,000	4,652	1,584	105,000	4,871	653	271,000	342,000
14	Matanog	4,652	1,584	105,000	4,871	653	271,000	342,000	4,652	1,584	105,000	4,871	653	271,000	342,000
15	Pagagawan	5,000	1,584	105,000	4,871	653	271,000	342,000	5,000	1,584	105,000	4,871	653	271,000	342,000
16	Pagalungan	5,000	1,584	105,000	4,871	653	271,000	342,000	5,000	1,584	105,000	4,871	653	271,000	342,000
17	Paglat	4,652	1,584	105,000	4,871	653	271,000	342,000	4,652	1,584	105,000	4,871	653	271,000	342,000
18	Parang	4,342	1,584	314,000	4,871	653	271,000	342,000	4,342	1,584	314,000	4,871	653	271,000	342,000
19	Shariff Aguak	4,342	1,584	105,000	4,871	653	271,000	342,000	4,342	1,584	105,000	4,871	653	271,000	342,000
20	South Upi	4,342	1,584	314,000	4,871	653	271,000	342,000	4,342	1,584	314,000	4,871	653	271,000	342,000
21	Sultan Kudarat	4,342	1,584	105,000	4,871	653	271,000	342,000	4,342	1,584	105,000	4,871	653	271,000	342,000
22	Sultan Mastura	4,342	1,584	105,000	4,871	653	271,000	342,000	4,342	1,584	105,000	4,871	653	271,000	342,000
23	Sultan Sa Barongis	5,000	1,584	105,000	4,871	653	271,000	342,000	5,000	1,584	105,000	4,871	653	271,000	342,000
24	Talayan	5,000	1,584	105,000	4,871	653	271,000	342,000	5,000	1,584	105,000	4,871	653	271,000	342,000
25	Talitay	5,000	1,584	105,000	4,871	653	271,000	342,000	5,000	1,584	105,000	4,871	653	271,000	342,000
26	Upi	5,000	1,584	105,000	4,871	653	271,000	342,000	5,000	1,584	105,000	4,871	653	271,000	342,000



Table 9.3.3 - Total Construction Cost

Municipality	Phase I (2005-2010) Requirement													
	Urban Area							Rural Area						
	Water Supply			Sanitation				Water Supply			Sanitation			
	Level III	Level II	Level I	HH Flush	HH Pour Flush	Public School	Public Utilities	Level III	Level II	Level I	HH Flush	HH Pour Flush	Public School	Public Utilities
1 Arapatuan	0	5,249,991	0	0	127,950	271,000	342,000	0	5,957,940	39,939,209	0	619,444	838,024	0
2 Barira	0	4,516,294	0	0	52,136	271,000	342,000	0	1,159,742	27,261,676	0	132,260	5,574,128	0
3 Baldon	0	4,449,017	0	0	31,006	271,000	342,000	0	4,201,139	48,894,242	0	316,653	1,414,236	0
4 Buluan	23,943,480	0	0	274,213	0	271,000	342,000	21,928,913	0	19,042,568	0	106,885	3,598,840	0
5 Datu Odin Sinsuat	0	3,120,728	11,368,015	1,474,449	70,446	271,000	342,000	0	11,197,209	119,413,247	3,103,597	991,258	2,628,608	0
6 Datu Poguis	0	2,259,085	0	0	28,457	271,000	342,000	0	1,012,969	22,995,202	0	219,636	761,182	0
7 Datu Ping	20,220,289	0	0	447,639	0	390,297	342,000	0	0	27,735,529	0	166,311	0	0
8 Datu Saadi	0	0	0	0	0	0	0	0	2,400,930	26,107,394	0	211,510	360,274	342,000
9 Datu Usany	0	0	0	0	0	0	0	0	2,196,730	10,024,501	0	295,062	0	342,000
10 Gen. S. K. Pendutun	0	3,210,676	2,824,766	0	120,299	271,000	342,000	0	6,840,055	17,869,026	0	462,385	464,339	0
11 Guindulungan	0	0	0	0	0	0	0	0	0	30,288,063	0	234,006	1,475,427	342,000
12 Kabuntalan	0	3,547,869	616,759	0	59,559	1,084,000	342,000	0	0	27,237,011	0	262,472	2,023,241	0
13 Marasapano	0	0	846,066	0	4,846	271,000	342,000	0	3,774,394	14,637,771	0	105,239	541,481	0
14 Matanog	0	0	0	0	25,869	271,000	342,000	0	6,325,026	7,752,296	0	167,231	3,234,391	0
15 Pagagawan	0	0	0	0	0	0	0	18,617,666	0	31,187,747	527,203	448,011	1,218,864	342,000
16 Pagalungan	16,008,991	0	1,395,735	1,941,810	50,120	271,000	342,000	0	0	32,530,144	0	1,008,109	854,105	0
17 Paglat	0	0	0	0	0	0	0	0	0	7,078,335	0	57,354	271,000	342,000
18 Parang	15,413,377	2,421,284	56,816,541	2,128,329	164,201	542,000	342,000	0	0	87,046,761	656,666	310,975	549,815	0
19 Sharif Aguak	17,207,769	0	0	1,480,101	0	0	342,000	12,544,148	3,073,318	18,332,673	1,677,425	421,788	403,337	0
20 South Upi	15,296,997	0	11,099,673	1,200,081	60,972	0	342,000	0	0	78,830,681	0	429,897	362,366	0
21 Sultan Kudarat	0	0	517,141	1,103,299	0	0	342,000	7,668,450	1,284,381	53,724,341	4,158,622	828,959	1,796,838	0
22 Sultan Masura	0	0	0	0	0	0	0	0	2,681,010	16,516,731	0	307,169	521,533	342,000
23 Sultan Sa Barangis	0	3,830,996	766,597	0	183,272	813,000	342,000	0	0	33,478,797	0	1,028,155	1,277,003	0
24 Tulyan	0	2,650,117	1,444,400	0	60,552	271,000	342,000	0	1,256,335	26,382,860	0	295,514	859,818	0
25 Tultay	0	0	0	0	0	0	0	0	0	33,188,533	0	445,348	4,078,204	342,000
26 Upi	14,096,621	0	0	0	43,218	271,000	342,000	0	0	49,457,785	0	405,713	1,795,717	0
Provincial Total	123,187,525	35,276,057	87,695,694	10,049,920	1,082,906	6,081,297	6,498,000	60,759,177	53,361,176	906,953,126	10,123,514	10,277,345	36,904,770	2,394,000

Table 9.3.3 - Total Construction Cost (Cont.)

Municipality	Phase II (2010-2015) Requirement													
	Urban Area						Rural Area							
	Water Supply			Sanitation			Water Supply			Sanitation				
	Level III	Level II	Level I	HH Flush	HH Pour Flush	Public School	Public Utilities	Level III	Level II	Level I	HH Flush	HH Pour Flush	Public School	Public Utilities
1 Ampatuan	0	1,575,694	726,822	0	102,622	271,000	342,000	15,952,410	6,400,778	33,527,466	609,272	427,034	300,723	0
2 Barira	0	960,800	0	0	103,718	271,000	342,000	0	345,897	28,204,804	0	279,448	224,317	0
3 Buldon	0	1,890,317	2,594,087	0	139,063	271,000	342,000	16,794,234	0	53,699,664	0	571,763	822,525	0
4 Buluan	5,874,046	0	0	1,225,170	0	0	342,000	5,379,813	0	18,711,374	0	474,767	10,642	0
5 Datu Odin Sinaat	0	1,023,977	812,822	1,351,827	64,588	271,000	342,000	0	3,674,042	91,425,735	2,893,463	930,317	1,316,656	0
6 Datu Paglas	0	729,492	291,235	0	55,177	271,000	342,000	0	338,180	23,484,408	0	424,880	281,384	0
7 Datu Piang	6,099,656	0	0	252,204	0	0	342,000	0	0	27,956,832	0	93,488	167,442	0
8 Datu Saudi	0	0	0	0	0	0	0	0	623,689	26,382,548	0	132,533	167,442	0
9 Datu Unsay	0	0	0	0	0	0	0	0	556,775	10,134,121	0	343,886	0	342,000
10 Gen. S. K. Pendaun	0	948,073	3,162,858	0	177,272	0	342,000	0	2,007,280	18,962,989	0	681,367	373,865	0
11 Guindulungan	0	0	0	0	0	0	0	0	0	34,510,439	0	399,889	411,293	342,000
12 Kabuntalan	0	1,255,790	1,304,837	0	105,377	271,000	342,000	0	0	29,024,476	0	493,968	543,640	0
13 Marasapano	0	0	851,674	1,763,720	11,734	0	342,000	0	977,874	14,830,982	0	263,061	125,816	0
14 Marang	0	0	3,447,163	0	52,850	0	342,000	0	2,090,860	13,317,600	0	332,052	599,427	0
15 Pagaganwan	0	0	0	0	0	0	0	10,006,373	0	34,092,673	896,381	788,140	704,484	342,000
16 Pagulungan	6,506,979	0	2,740,190	1,763,720	41,612	0	342,000	0	0	35,554,360	0	919,740	650,293	0
17 Paglat	0	0	0	0	0	0	0	0	0	7,338,681	0	117,802	0	342,000
18 Parang	8,526,409	728,734	14,684,079	1,906,368	48,594	271,000	342,000	0	0	79,085,722	561,563	257,969	528,300	0
19 Shariff Aguak	5,282,307	0	46,450	1,727,855	0	0	342,000	3,850,705	778,952	18,552,962	1,958,209	496,002	188,462	0
20 South Upi	5,715,723	0	12,537,631	1,258,612	63,946	0	342,000	0	0	74,560,026	0	456,366	144,603	0
21 Sultan Kudarat	0	0	770,193	2,061,398	0	0	342,000	3,271,510	487,673	70,211,644	7,769,948	1,547,106	939,056	0
22 Sultan Mastura	0	0	0	0	0	0	0	0	830,394	17,614,300	0	575,224	278,179	342,000
23 Sultan Sa Barongis	0	1,560,240	0	0	189,922	0	342,000	0	0	34,889,831	0	1,403,784	354,896	0
24 Talayan	0	1,122,840	2,447,649	0	103,476	0	342,000	0	532,302	30,228,164	0	505,000	362,351	0
25 Talibay	0	0	0	0	0	0	0	0	0	37,672,387	0	575,412	845,579	342,000
26 Upi	4,022,163	0	131,391	764,270	0	271,000	342,000	0	0	50,398,982	0	916,612	737,400	0
Provincial Total	42,027,282	11,795,956	46,549,079	12,311,424	1,260,151	2,168,000	6,498,000	55,255,045	19,644,697	916,373,188	14,688,835	14,407,611	11,078,784	2,394,000

Appendix Table 9.3. 4 Total Investment Costs (P x 1,000)- breakdown -Phase I

Municipality		Phase I (2005-2010) Requirement												
		Urban Area						Rural Area						
		Water Supply		Sanitation		Public Utilities		Water Supply		Sanitation		Public Utilities		
Level III	Level II	Level I	HH Flush	HH/Pour Flush	Public School	Public Utilities	Level III	Level II	Level I	HH Flush	HH/Pour Flush	Public School	Public Utilities	
1	1. Ampatuan	0	5,250	0	0	128	271	342	0	5,958	0	619	838	0
	2. Physical Contingency (15% of 1))	0	787	0	0	19	41	51	0	894	0	93	126	0
	3. Price Contingency (10% of 1 & 2)	0	604	0	0	15	31	39	0	685	0	71	96	0
	4.Total Direct Cost	0	6,641	0	0	162	343	433	0	7,537	0	784	1,060	0
	5. Indirect Cost													
	6. Feasibility Study/DD (9% of 4)	0	598	0	0	15	31	39	0	678	0	71	95	0
	7 Construction Supervision(4% of 4)	0	266	0	0	6	14	17	0	301	0	31	42	0
	8. Training(3% and 12% for urban & rural)	0	199	0	0	5	10	13	0	904	0	94	127	0
	9. Total indirect Cost	0	1,063	0	0	26	55	69	0	1,884	0	196	265	0
	10.Total Project Cost	0	7,704	0	0	188	398	502	0	9,421	0	979	1,325	0
2	1. Barira	0	4,516	0	0	52	271	342	0	1,160	0	132	5,574	0
	2. Physical Contingency (15% of 1))	0	677	0	0	8	41	51	0	174	0	20	836	0
	3. Price Contingency (10% of 1 & 2)	0	519	0	0	6	31	39	0	133	0	15	641	0
	4.Total Direct Cost	0	5,713	0	0	66	343	433	0	1,467	0	167	7,051	0
	5. Indirect Cost													
	6. Feasibility Study/DD (9% of 4)	0	514	0	0	6	31	39	0	132	0	15	635	0
	7 Construction Supervision(4% of 4)	0	229	0	0	3	14	17	0	59	0	7	282	0
	8. Training(3% and 12% for urban & rural)	0	171	0	0	2	10	13	0	176	0	20	846	0
	9. Total indirect Cost	0	914	0	0	11	55	69	0	367	0	42	1,763	0
	10.Total Project Cost	0	6,627	0	0	77	398	502	0	1,834	0	209	8,814	0
3	1. Buldon	0	4,449	0	0	31	271	342	0	4,201	0	317	1,414	0
	2. Physical Contingency (15% of 1))	0	667	0	0	5	41	51	0	630	0	47	212	0
	3. Price Contingency (10% of 1 & 2)	0	512	0	0	4	31	39	0	483	0	36	163	0
	4.Total Direct Cost	0	5,628	0	0	39	343	433	0	5,314	0	401	1,789	0
	5. Indirect Cost													
	6. Feasibility Study/DD (9% of 4)	0	507	0	0	4	31	39	0	478	0	36	161	0
	7 Construction Supervision(4% of 4)	0	225	0	0	2	14	17	0	213	0	16	72	0
	8. Training(3% and 12% for urban & rural)	0	169	0	0	1	10	13	0	638	0	48	215	0
	9. Total indirect Cost	0	900	0	0	6	55	69	0	1,329	0	100	447	0
	10.Total Project Cost	0	6,528	0	0	45	398	502	0	6,643	0	501	2,236	0

Appendix Table 9.3. 4 Total Investment Costs (P x 1,000)- breakdown -Phase I

Municipality	Phase I (2005-2010) Requirement														
	Urban Area					Rural Area									
	Water Supply		Sanitation		Public Utilities	Water Supply		Sanitation		Public Utilities					
Level III	Level II	Level I	HH Flush	HH:Pour Flush		Public School	Level III	Level II	Level I		HH Flush	HH:Pour Flush	Public School		
4	1. Buluan	23,943	0	0	274	0	271	342	21,929	0	19,043	0	107	3,599	0
	2. Physical Contingency (15% of 1))	3,592	0	0	41	0	41	51	3,289	0	2,856	0	16	540	0
	3. Price Contingency (10% of 1 & 2)	2,754	0	0	32	0	31	39	2,522	0	2,190	0	12	414	0
	4. Total Direct Cost	30,289	0	0	347	0	343	433	27,740	0	24,089	0	135	4,553	0
	5. Indirect Cost														
	6. Feasibility Study/DD (9% of 4)	2,726	0	0	31	0	31	39	2,497	0	2,168	0	12	410	0
	7. Construction Supervision (4% of 4)	1,212	0	0	14	0	14	17	1,110	0	964	0	5	182	0
	8. Training (3% and 12% for urban & rural)	909	0	0	10	0	10	13	3,329	0	2,891	0	16	546	0
	9. Total indirect Cost	4,846	0	0	56	0	55	69	6,935	0	6,022	0	34	1,138	0
	10. Total Project Cost	35,135	0	0	402	0	398	502	34,675	0	30,111	0	169	5,691	0
5	1. Datu Odin Sinsuat	0	3,121	11,368	1,474	70	271	342	0	11,197	119,413	3,104	991	2,629	0
	2. Physical Contingency (15% of 1))	0	468	1,705	221	11	41	51	0	1,680	17,912	466	149	394	0
	3. Price Contingency (10% of 1 & 2)	0	359	1,307	170	8	31	39	0	1,288	13,733	357	114	302	0
	4. Total Direct Cost	0	3,948	14,381	1,865	89	343	433	0	14,164	151,058	3,926	1,254	3,325	0
	5. Indirect Cost														
	6. Feasibility Study/DD (9% of 4)	0	355	1,294	168	8	31	39	0	1,275	13,595	353	113	299	0
	7. Construction Supervision (4% of 4)	0	158	575	75	4	14	17	0	567	6,042	157	50	133	0
	8. Training (3% and 12% for urban & rural)	0	118	431	56	3	10	13	0	1,700	18,127	471	150	399	0
	9. Total indirect Cost	0	632	2,301	298	14	55	69	0	3,541	37,764	982	313	831	0
	10. Total Project Cost	0	4,579	16,681	2,164	103	398	502	0	17,706	188,822	4,908	1,567	4,156	0
6	1. Datu Paglas	0	2,259	0	0	28	271	342	0	1,013	22,995	0	220	761	0
	2. Physical Contingency (15% of 1))	0	339	0	0	4	41	51	0	152	3,449	0	33	114	0
	3. Price Contingency (10% of 1 & 2)	0	260	0	0	3	31	39	0	116	2,644	0	25	88	0
	4. Total Direct Cost	0	2,858	0	0	36	343	433	0	1,281	29,089	0	278	963	0
	5. Indirect Cost														
	6. Feasibility Study/DD (9% of 4)	0	257	0	0	3	31	39	0	115	2,618	0	25	87	0
	7. Construction Supervision (4% of 4)	0	114	0	0	1	14	17	0	51	1,164	0	11	39	0
	8. Training (3% and 12% for urban & rural)	0	86	0	0	1	10	13	0	154	3,491	0	33	116	0
	9. Total indirect Cost	0	457	0	0	6	55	69	0	320	7,272	0	69	241	0
	10. Total Project Cost	0	3,315	0	0	42	398	502	0	1,602	36,361	0	347	1,204	0

Appendix Table 9.3. 4 Total Investment Costs (P x 1,000)- breakdown -Phase I

Municipality	Phase I (2005-2010) Requirement													
	Urban Area						Rural Area							
	Water Supply		Sanitation		Public Utilities		Water Supply		Sanitation		Public Utilities			
	Level III	Level II	Level I	HH Flush	HH Pour Flush	Public School	Public Utilities	Level III	Level II	Level I	HH Flush	HH Pour Flush	Public School	Public Utilities
7	1. Datu Piang	20,220	0	0	448	0	390	342	0	27,736	0	166	0	0
	2. Physical Contingency(15% of 1)	3,033	0	0	67	0	59	51	0	4,160	0	25	0	0
	3. Price Contingency (10% of 1 & 2)	2,325	0	0	51	0	45	39	0	3,190	0	19	0	0
	4.Total Direct Cost	25,579	0	0	566	0	494	433	0	35,085	0	210	0	0
	5. Indirect Cost													
	6. Feasibility Study/DD (9% of 4)	2,302	0	0	51	0	44	39	0	3,158	0	19	0	0
	7 Construction Supervision(4% of 4)	1,023	0	0	23	0	20	17	0	1,403	0	8	0	0
	8. Training(3% and 12% for urban & rural)	767	0	0	17	0	15	13	0	4,210	0	25	0	0
	9. Total indirect Cost	4,093	0	0	91	0	79	69	0	8,771	0	53	0	0
	10.Total Project Cost	29,671	0	0	657	0	573	502	0	43,857	0	263	0	0
8	1. Datu Saudi	0	0	0	0	0	0	0	0	26,107	0	212	360	342
	2. Physical Contingency(15% of 1)	0	0	0	0	0	0	0	0	3,916	0	32	54	51
	3. Price Contingency (10% of 1 & 2)	0	0	0	0	0	0	0	0	3,002	0	24	41	39
	4.Total Direct Cost	0	0	0	0	0	0	0	0	33,026	0	268	456	433
	5. Indirect Cost													
	6. Feasibility Study/DD (9% of 4)	0	0	0	0	0	0	0	0	2,972	0	24	41	39
	7 Construction Supervision(4% of 4)	0	0	0	0	0	0	0	0	1,321	0	11	18	17
	8. Training(3% and 12% for urban & rural)	0	0	0	0	0	0	0	0	3,963	0	32	55	52
	9. Total indirect Cost	0	0	0	0	0	0	0	0	8,256	0	67	114	108
	10.Total Project Cost	0	0	0	0	0	0	0	0	41,282	0	334	570	541
9	1. Datu Unsay	0	0	0	0	0	0	0	0	10,025	0	295	0	342
	2. Physical Contingency(15% of 1)	0	0	0	0	0	0	0	0	1,504	0	44	0	51
	3. Price Contingency (10% of 1 & 2)	0	0	0	0	0	0	0	0	1,153	0	34	0	39
	4.Total Direct Cost	0	0	0	0	0	0	0	0	12,681	0	373	0	433
	5. Indirect Cost													
	6. Feasibility Study/DD (9% of 4)	0	0	0	0	0	0	0	0	1,141	0	34	0	39
	7 Construction Supervision(4% of 4)	0	0	0	0	0	0	0	0	507	0	15	0	17
	8. Training(3% and 12% for urban & rural)	0	0	0	0	0	0	0	0	1,522	0	45	0	52
	9. Total indirect Cost	0	0	0	0	0	0	0	0	3,170	0	93	0	108
	10.Total Project Cost	0	0	0	0	0	0	0	0	15,851	0	467	0	541

Appendix Table 9.3. 4 Total Investment Costs (P x 1,000)- breakdown -Phase I

Municipality	Phase I (2005-2010) Requirement												
	Urban Area					Rural Area							
	Water Supply		Sanitation		Public Utilities	Water Supply		Sanitation		Public Utilities			
Level III	Level II	Level I	HH Flush	HH Pour Flush	Public School	Level III	Level II	Level I	HH Flush	HH Pour Flush	Public School	Public Utilities	
10	0	3,231	2,825	0	120	271	342	0	6,840	17,869	0	462	0
1. Gen. S. K. Pendatun	0	485	424	0	18	41	51	0	1,026	2,680	0	69	0
2. Physical Contingency (15% of 1))	0	372	325	0	14	31	39	0	787	2,055	0	53	0
3. Price Contingency (10% of 1 & 2)	0	4,087	3,573	0	152	343	433	0	8,653	22,604	0	585	0
4. Total Direct Cost	0												
5. Indirect Cost	0	368	322	0	14	31	39	0	779	2,034	0	53	0
6. Feasibility Study/DD (9% of 4)	0	163	143	0	6	14	17	0	346	904	0	23	0
7. Construction Supervision (4% of 4)	0	123	107	0	5	10	13	0	1,038	2,713	0	70	0
8. Training (3% and 12% for urban & rural)	0	654	572	0	24	55	69	0	2,163	5,651	0	146	0
9. Total indirect Cost	0	4,741	4,145	0	177	398	502	0	10,816	28,255	0	731	0
10. Total Project Cost	0												
11	0	0	0	0	0	0	0	0	0	30,288	0	234	342
1. Guindulungan	0	0	0	0	0	0	0	0	0	4,543	0	35	51
2. Physical Contingency (15% of 1))	0	0	0	0	0	0	0	0	0	3,483	0	27	39
3. Price Contingency (10% of 1 & 2)	0	0	0	0	0	0	0	0	0	38,314	0	296	433
4. Total Direct Cost	0												
5. Indirect Cost	0	0	0	0	0	0	0	0	0	3,448	0	27	39
6. Feasibility Study/DD (9% of 4)	0	0	0	0	0	0	0	0	0	1,533	0	12	17
7. Construction Supervision (4% of 4)	0	0	0	0	0	0	0	0	0	4,598	0	36	52
8. Training (3% and 12% for urban & rural)	0	0	0	0	0	0	0	0	0	9,579	0	74	108
9. Total indirect Cost	0	0	0	0	0	0	0	0	0	47,893	0	370	541
10. Total Project Cost	0												
12	0	3,548	617	0	60	1,084	342	0	0	27,237	0	262	2,023
1. Kabuntalan	0	532	93	0	9	163	51	0	0	4,086	0	39	303
2. Physical Contingency (15% of 1))	0	408	71	0	7	125	39	0	0	3,132	0	30	233
3. Price Contingency (10% of 1 & 2)	0	4,488	780	0	75	1,371	433	0	0	34,455	0	332	2,559
4. Total Direct Cost	0												
5. Indirect Cost	0	404	70	0	7	123	39	0	0	3,101	0	30	230
6. Feasibility Study/DD (9% of 4)	0	180	31	0	3	55	17	0	0	1,378	0	13	102
7. Construction Supervision (4% of 4)	0	135	23	0	2	41	13	0	0	4,135	0	40	307
8. Training (3% and 12% for urban & rural)	0	718	125	0	12	219	69	0	0	8,614	0	83	640
9. Total indirect Cost	0	5,206	905	0	87	1,591	502	0	0	43,069	0	415	3,199
10. Total Project Cost	0												

Appendix Table 9.3. 4 Total Investment Costs (P x 1,000)- breakdown -Phase I

Municipality	Phase I (2005-2010) Requirement													
	Urban Area							Rural Area						
	Water Supply			Sanitation				Water Supply			Sanitation			
	Level III	Level II	Level I	HH Flush	HH Pour Flush	Public School	Public Utilities	Level III	Level II	Level I	HH Flush	HH Pour Flush	Public School	Public Utilities
13	1. Mamasapano	0	0	846	0	271	342	0	3,774	14,638	0	105	541	0
	2. Physical Contingency(15% of 1))	0	0	127	0	41	51	0	566	2,196	0	16	81	0
	3. Price Contingency (10% of 1 & 2)	0	0	97	0	31	39	0	434	1,683	0	12	62	0
	4.Total Direct Cost	0	0	1,070	0	343	433	0	4,775	18,517	0	133	685	0
	5. Indirect Cost													
	6. Feasibility Study/DD (9% of 4)	0	0	96	0	31	39	0	430	1,667	0	12	62	0
	7 Construction Supervision(4% of 4)	0	0	43	0	14	17	0	191	741	0	5	27	0
	8. Training(3% and 12% for urban & rural)	0	0	32	0	10	13	0	573	2,222	0	16	82	0
	9. Total indirect Cost	0	0	171	0	55	69	0	1,194	4,629	0	33	171	0
	10.Total Project Cost	0	0	1,242	0	398	502	0	5,968	23,146	0	166	856	0
14	1. Matanog	0	0	0	0	26	342	0	6,325	7,752	0	167	3,234	0
	2. Physical Contingency(15% of 1))	0	0	0	0	4	51	0	949	1,163	0	25	485	0
	3. Price Contingency (10% of 1 & 2)	0	0	0	0	3	39	0	727	892	0	19	372	0
	4.Total Direct Cost	0	0	0	0	33	433	0	8,001	9,807	0	212	4,092	0
	5. Indirect Cost													
	6. Feasibility Study/DD (9% of 4)	0	0	0	0	3	39	0	720	883	0	19	368	0
	7 Construction Supervision(4% of 4)	0	0	0	0	1	17	0	320	392	0	8	164	0
	8. Training(3% and 12% for urban & rural)	0	0	0	0	1	13	0	960	1,177	0	25	491	0
	9. Total indirect Cost	0	0	0	0	5	69	0	2,000	2,452	0	53	1,023	0
	10.Total Project Cost	0	0	0	0	38	502	0	10,001	12,258	0	264	5,114	0
15	1. Pagagawan	0	0	0	0	0	0	0	18,618	31,188	527	448	1,219	342
	2. Physical Contingency(15% of 1))	0	0	0	0	0	0	0	2,793	4,678	79	67	183	51
	3. Price Contingency (10% of 1 & 2)	0	0	0	0	0	0	0	2,141	3,587	61	52	140	39
	4.Total Direct Cost	0	0	0	0	0	0	0	23,551	39,453	667	567	1,542	433
	5. Indirect Cost													
	6. Feasibility Study/DD (9% of 4)	0	0	0	0	0	0	0	2,120	3,551	60	51	139	39
	7 Construction Supervision(4% of 4)	0	0	0	0	0	0	0	942	1,578	27	23	62	17
	8. Training(3% and 12% for urban & rural)	0	0	0	0	0	0	0	2,826	4,734	80	68	185	52
	9. Total indirect Cost	0	0	0	0	0	0	0	5,888	9,863	167	142	385	108
	10.Total Project Cost	0	0	0	0	0	0	0	29,439	49,316	834	708	1,927	541



Appendix Table 9.3. 4 Total Investment Costs (P x 1,000)- breakdown -Phase I

Municipality	Phase I (2005-2010) Requirement													
	Urban Area						Rural Area							
	Water Supply		Sanitation		Public Utilities		Water Supply		Sanitation		Public Utilities			
	Level III	Level II	Level I	HH Flush	HH Pour Flush	Public School	Public Utilities	Level III	Level II	Level I	HH Flush	HH Pour Flush	Public School	Public Utilities
16	1. Pagalungan	16,009	0	1,396	1,942	50	271	342	0	0	0	1,008	854	0
	2. Physical Contingency(15% of 1))	2,401	0	209	291	8	41	51	0	0	0	151	128	0
	3. Price Contingency (10% of 1 & 2)	1,841	0	161	223	6	31	39	0	0	0	116	98	0
	4.Total Direct Cost	20,251	0	1,766	2,456	63	343	433	0	0	0	1,275	1,080	0
	5. Indirect Cost													
	6. Feasibility Study/DD (9% of 4)	1,823	0	159	221	6	31	39	0	0	0	115	97	0
	7 Construction Supervision(4% of 4)	810	0	71	98	3	14	17	0	0	0	51	43	0
	8. Training(3% and 12% for urban & rural)	608	0	53	74	2	10	13	0	0	0	153	130	0
	9. Total indirect Cost	3,240	0	282	393	10	55	69	0	0	0	319	270	0
	10.Total Project Cost	23,492	0	2,048	2,849	74	398	502	0	0	0	1,594	1,351	0
17	1. Paglat	0	0	0	0	0	0	0	0	0	0	57	271	342
	2. Physical Contingency(15% of 1))	0	0	0	0	0	0	0	0	0	0	9	41	51
	3. Price Contingency (10% of 1 & 2)	0	0	0	0	0	0	0	0	0	0	7	31	39
	4.Total Direct Cost	0	0	0	0	0	0	0	0	0	0	73	343	433
	5. Indirect Cost													
	6. Feasibility Study/DD (9% of 4)	0	0	0	0	0	0	0	0	0	0	7	31	39
	7 Construction Supervision(4% of 4)	0	0	0	0	0	0	0	0	0	0	3	14	17
	8. Training(3% and 12% for urban & rural)	0	0	0	0	0	0	0	0	0	0	9	41	52
	9. Total indirect Cost	0	0	0	0	0	0	0	0	0	0	18	86	108
	10.Total Project Cost	0	0	0	0	0	0	0	0	0	0	91	429	541
18	1. Parang	15,413	2,421	56,817	2,128	164	542	342	0	0	657	311	550	0
	2. Physical Contingency(15% of 1))	2,312	363	8,522	319	25	81	51	0	0	98	47	82	0
	3. Price Contingency (10% of 1 & 2)	1,773	278	6,534	245	19	62	39	0	0	76	36	63	0
	4.Total Direct Cost	19,498	3,063	71,873	2,692	208	686	433	0	0	831	393	696	0
	5. Indirect Cost													
	6. Feasibility Study/DD (9% of 4)	1,755	276	6,469	242	19	62	39	0	0	75	35	63	0
	7 Construction Supervision(4% of 4)	780	123	2,875	108	8	27	17	0	0	33	16	28	0
	8. Training(3% and 12% for urban & rural)	585	92	2,156	81	6	21	13	0	0	100	47	83	0
	9. Total indirect Cost	3,120	490	11,500	431	33	110	69	0	0	208	98	174	0
	10.Total Project Cost	22,618	3,553	83,373	3,123	241	795	502	0	0	1,038	492	869	0



Appendix Table 9.3. 4 Total Investment Costs (P x 1,000)- breakdown -Phase I

Municipality	Phase I (2005-2010) Requirement														
	Urban Area							Rural Area							
	Water Supply			Sanitation				Water Supply			Sanitation				
	Level III	Level II	Level I	HH Flush	HH Pour Flush	Public School	Public Utilities	Level III	Level II	Level I	HH Flush	HH Pour Flush	Public School	Public Utilities	
19	1. Shariff Aguak	7	0	0	1,480	0	0	342	12,544	3,073	18,333	1,677	422	405	0
	2. Physical Contingency (15% of 1)	1	0	0	222	0	51	1,882	461	2,750	252	63	61	0	
	3. Price Contingency (10% of 1 & 2)	1	0	0	170	0	39	1,443	353	2,108	193	49	47	0	
	4. Total Direct Cost	9	0	0	1,872	0	433	15,868	3,868	23,191	2,122	534	513	0	
	5. Indirect Cost														
	6. Feasibility Study/DD (9% of 4)	1	0	0	169	0	39	1,428	350	2,087	191	48	46	0	
	7. Construction Supervision (4% of 4)	0	0	0	75	0	17	635	156	928	85	21	21	0	
	8. Training (3% and 12% for urban & rural)	0	0	0	56	0	13	1,904	467	2,783	255	64	62	0	
	9. Total indirect Cost	1	0	0	300	0	69	3,967	972	5,798	530	133	128	0	
	10. Total Project Cost	10	0	0	2,172	0	502	19,835	4,860	28,989	2,652	667	641	0	
20	1. South Upi	15,297	0	11,100	1,200	61	342	0	0	0	78,831	430	362	0	
	2. Physical Contingency (15% of 1)	2,295	0	1,665	180	9	51	0	0	0	11,825	64	54	0	
	3. Price Contingency (10% of 1 & 2)	1,759	0	1,276	138	7	39	0	0	0	9,066	0	49	0	
	4. Total Direct Cost	19,351	0	14,041	1,518	77	433	0	0	0	99,721	544	458	0	
	5. Indirect Cost														
	6. Feasibility Study/DD (9% of 4)	1,742	0	1,264	137	7	39	0	0	0	8,975	49	41	0	
	7. Construction Supervision (4% of 4)	774	0	562	61	3	17	0	0	0	3,989	22	18	0	
	8. Training (3% and 12% for urban & rural)	581	0	421	46	2	13	0	0	0	11,966	65	55	0	
	9. Total indirect Cost	3,096	0	2,247	243	12	69	0	0	0	24,930	136	115	0	
	10. Total Project Cost	22,447	0	16,288	1,761	89	502	0	0	0	124,651	680	573	0	
21	1. Sultan Kudarat	0	0	517	1,103	0	342	7,668	1,284	53,724	4,159	829	1,797	0	
	2. Physical Contingency (15% of 1)	0	0	78	165	0	51	1,150	193	8,059	624	124	270	0	
	3. Price Contingency (10% of 1 & 2)	0	0	59	127	0	39	882	148	6,178	478	95	207	0	
	4. Total Direct Cost	0	0	654	1,396	0	433	9,701	1,625	67,961	5,261	1,049	2,273	0	
	5. Indirect Cost														
	6. Feasibility Study/DD (9% of 4)	0	0	59	126	0	39	873	146	6,117	473	94	205	0	
	7. Construction Supervision (4% of 4)	0	0	26	56	0	17	388	65	2,718	210	42	91	0	
	8. Training (3% and 12% for urban & rural)	0	0	20	42	0	13	1,164	195	8,155	631	126	273	0	
	9. Total indirect Cost	0	0	105	223	0	69	2,425	406	16,990	1,315	262	568	0	
	10. Total Project Cost	0	0	759	1,619	0	502	12,126	2,031	84,952	6,576	1,311	2,841	0	

Appendix Table 9.3. 4 Total Investment Costs (P x 1,000)- breakdown -Phase I

Municipality	Phase I (2005-2010) Requirement														
	Urban Area						Rural Area								
	Water Supply			Sanitation			Water Supply			Sanitation					
	Level III	Level II	Level I	HH Flush	HH/Pour Flush	Public School	Public Utilities	Level III	Level II	Level I	HH Flush	HH/Pour Flush	Public School	Public Utilities	
22	1. Sultan Mastura														
	0	0	0	0	0	0	0	0	2,681	16,517	0	307	522	342	
	2. Physical Contingency (15% of 1))														
	0	0	0	0	0	0	0	0	402	2,478	0	46	78	51	
	3. Price Contingency (10% of 1 & 2)														
	0	0	0	0	0	0	0	0	308	1,899	0	35	60	39	
	4. Total Direct Cost														
	0	0	0	0	0	0	0	0	3,391	20,894	0	389	660	433	
	5. Indirect Cost														
	0	0	0	0	0	0	0	0	305	1,880	0	35	59	39	
	7 Construction Supervision (4% of 4)														
	0	0	0	0	0	0	0	0	136	836	0	16	26	17	
	8. Training (3% and 12% for urban & rural)														
	0	0	0	0	0	0	0	0	407	2,507	0	47	79	52	
	9. Total indirect Cost														
	0	0	0	0	0	0	0	0	848	5,223	0	97	165	108	
	10. Total Project Cost														
	0	0	0	0	0	0	0	0	4,239	26,117	0	486	825	541	
23	1. Sultan Sa Barongis														
	0	3,831	767	0	183	813	342	0	0	33,479	0	1,028	1,277	0	
	2. Physical Contingency (15% of 1))														
	0	575	115	0	27	122	51	0	0	5,022	0	154	192	0	
	3. Price Contingency (10% of 1 & 2)														
	0	441	88	0	21	93	39	0	0	3,850	0	118	147	0	
	4. Total Direct Cost														
	0	4,846	970	0	232	1,028	433	0	0	42,351	0	1,301	1,615	0	
	5. Indirect Cost														
	0	436	87	0	21	93	39	0	0	3,812	0	117	145	0	
	7 Construction Supervision (4% of 4)														
	0	194	39	0	9	41	17	0	0	1,694	0	52	65	0	
	8. Training (3% and 12% for urban & rural)														
	0	145	29	0	7	31	13	0	0	5,082	0	156	194	0	
	9. Total indirect Cost														
	0	775	155	0	37	165	69	0	0	10,588	0	325	404	0	
	10. Total Project Cost														
	0	5,622	1,125	0	269	1,193	502	0	0	52,938	0	1,626	2,019	0	
24	1. Talayan														
	0	2,650	1,444	0	61	271	342	0	1,256	26,383	0	296	860	0	
	2. Physical Contingency (15% of 1))														
	0	398	217	0	9	41	51	0	188	3,957	0	44	129	0	
	3. Price Contingency (10% of 1 & 2)														
	0	305	166	0	7	31	39	0	144	3,034	0	34	99	0	
	4. Total Direct Cost														
	0	3,352	1,827	0	77	343	433	0	1,589	33,374	0	374	1,088	0	
	5. Indirect Cost														
	0	302	164	0	7	31	39	0	143	3,004	0	34	98	0	
	7 Construction Supervision (4% of 4)														
	0	134	73	0	3	14	17	0	64	1,335	0	15	44	0	
	8. Training (3% and 12% for urban & rural)														
	0	101	55	0	2	10	13	0	191	4,005	0	45	131	0	
	9. Total indirect Cost														
	0	536	292	0	12	55	69	0	397	8,344	0	93	272	0	
	10. Total Project Cost														
	0	3,889	2,120	0	89	398	502	0	1,987	41,718	0	467	1,360	0	

Appendix Table 9.3. 4 Total Investment Costs (P x 1,000)- breakdown -Phase I

Municipality	Phase I (2005-2010) Requirement													
	Urban Area							Rural Area						
	Water Supply			Sanitation				Water Supply			Sanitation			
	Level III	Level II	Level I	HH Flush	HH Pour Flush	Public School	Public Utilities	Level III	Level II	Level I	HH Flush	HH Pour Flush	Public School	Public Utilities
25	0	0	0	0	0	0	0	0	0	33,189	0	445	4,078	342
1. Talitay	0	0	0	0	0	0	0	0	0	4,978	0	67	612	51
2. Physical Contingency (15% of 1))	0	0	0	0	0	0	0	0	0	3,817	0	51	469	39
3. Price Contingency (10% of 1 & 2)	0	0	0	0	0	0	0	0	0	41,983	0	563	5,159	433
4. Total Direct Cost	0	0	0	0	0	0	0	0	0		0			
5. Indirect Cost														
6. Feasibility Study/DD (9% of 4)	0	0	0	0	0	0	0	0	0	3,779	0	51	464	39
7. Construction Supervision (4% of 4)	0	0	0	0	0	0	0	0	0	1,679	0	23	206	17
8. Training (3% and 12% for urban & rural)	0	0	0	0	0	0	0	0	0	5,038	0	68	619	52
9. Total indirect Cost	0	0	0	0	0	0	0	0	0	10,496	0	141	1,290	108
10. Total Project Cost	0	0	0	0	0	0	0	0	0	52,479	0	704	6,449	541
26	14,097	0	0	0	43	271	342	0	0	49,458	0	406	1,796	0
1. Upi	2,114	0	0	0	6	41	51	0	0	7,419	0	61	269	0
2. Physical Contingency (15% of 1))	1,621	0	0	0	5	31	39	0	0	5,688	0	47	207	0
3. Price Contingency (10% of 1 & 2)	17,832	0	0	0	55	343	433	0	0	62,564	0	513	2,272	0
4. Total Direct Cost														
5. Indirect Cost														
6. Feasibility Study/DD (9% of 4)	1,605	0	0	0	5	31	39	0	0	5,631	0	46	204	0
7. Construction Supervision (4% of 4)	713	0	0	0	2	14	17	0	0	2,503	0	21	91	0
8. Training (3% and 12% for urban & rural)	535	0	0	0	2	10	13	0	0	7,508	0	62	273	0
9. Total indirect Cost	2,853	0	0	0	9	55	69	0	0	15,641	0	128	568	0
10. Total Project Cost	20,685	0	0	0	63	398	502	0	0	78,205	0	642	2,839	0
<b>Provincial Total</b>	<b>154,058</b>	<b>51,764</b>	<b>128,685</b>	<b>14,747</b>	<b>1,589</b>	<b>8,924</b>	<b>9,535</b>	<b>96,075</b>	<b>84,377</b>	<b>1,434,120</b>	<b>16,008</b>	<b>16,251</b>	<b>58,356</b>	<b>3,786</b>

Appendix Table 9.3. 4 Total Investment Costs (P x 1,000)- breakdown -Phase II

Municipality		Phase II (2010-2015) Requirement													
		Urban Area						Rural Area							
		Water Supply			Sanitation			Water Supply			Sanitation				
	Level III	Level II	Level I	HH Flush	HH Pour Flush	Public School	Public Utilities	Level III	Level II	Level I	HH Flush	HH Pour Flush	Public School	Public Utilities	
1	1. Ampatuan	0	1,576	727	0	103	271	342	15,952	6,401	33,527	609	427	301	0
	2. Physical Contingency (15% of 1))	0	236	109	0	15	41	51	2,393	960	5,029	91	64	45	0
	3. Price Contingency (10% of 1 & 2)	0	181	84	0	12	31	39	1,835	736	3,856	70	49	35	0
	4. Total Direct Cost	0	1,993	919	0	130	343	433	20,180	8,097	42,412	771	540	380	0
	5. Indirect Cost														
	6. Feasibility Study/DD (9% of 4)	0	179	83	0	12	31	39	1,816	729	3,817	69	49	34	0
	7 Construction Supervision(4% of 4)	0	80	37	0	5	14	17	807	324	1,696	31	22	15	0
	8. Training(3% and 12% for urban & rural)	0	60	28	0	4	10	13	2,422	972	5,089	92	65	46	0
	9. Total indirect Cost	0	319	147	0	21	55	69	5,045	2,024	10,603	193	135	95	0
	10. Total Project Cost	0	2,312	1,067	0	151	398	502	25,225	10,121	53,015	963	675	476	0
2	1. Banira	0	961	0	0	104	271	342	0	346	28,205	0	279	224	0
	2. Physical Contingency (15% of 1))	0	144	0	0	16	41	51	0	52	4,231	0	42	34	0
	3. Price Contingency (10% of 1 & 2)	0	110	0	0	12	31	39	0	40	3,244	0	32	26	0
	4. Total Direct Cost	0	1,215	0	0	131	343	433	0	438	35,679	0	354	284	0
	5. Indirect Cost														
	6. Feasibility Study/DD (9% of 4)	0	109	0	0	12	31	39	0	39	3,211	0	32	26	0
	7 Construction Supervision(4% of 4)	0	49	0	0	5	14	17	0	18	1,427	0	14	11	0
	8. Training(3% and 12% for urban & rural)	0	36	0	0	4	10	13	0	53	4,281	0	42	34	0
	9. Total indirect Cost	0	194	0	0	21	55	69	0	109	8,920	0	88	71	0
	10. Total Project Cost	0	1,410	0	0	152	398	502	0	547	44,599	0	442	355	0
3	1. Buldon	0	1,890	2,594	0	139	271	342	16,794	0	53,700	0	572	823	0
	2. Physical Contingency (15% of 1))	0	284	389	0	21	41	51	2,519	0	8,055	0	86	123	0
	3. Price Contingency (10% of 1 & 2)	0	217	298	0	16	31	39	1,931	0	6,175	0	66	95	0
	4. Total Direct Cost	0	2,391	3,282	0	176	343	433	21,245	0	67,930	0	723	1,040	0
	5. Indirect Cost														
	6. Feasibility Study/DD (9% of 4)	0	215	295	0	16	31	39	1,912	0	6,114	0	65	94	0
	7 Construction Supervision(4% of 4)	0	96	131	0	7	14	17	850	0	2,717	0	29	42	0
	8. Training(3% and 12% for urban & rural)	0	72	98	0	5	10	13	2,549	0	8,152	0	87	125	0
	9. Total indirect Cost	0	383	525	0	28	55	69	5,311	0	16,983	0	181	260	0
	10. Total Project Cost	0	2,774	3,807	0	204	398	502	26,556	0	84,913	0	904	1,301	0

Appendix Table 9.3.4 Total Investment Costs (P x 1,000)-breakdown -Phase II

Municipality		Phase II (2010-2015) Requirement												
		Urban Area						Rural Area						
		Water Supply			Sanitation			Water Supply			Sanitation			
Level III	Level II	Level I	HH Flush	HH Pour Flush	Public School	Public Utilities	Level III	Level II	Level I	HH Flush	HH Pour Flush	Public School	Public Utilities	
4	1. Buluan	5,874	0	0	1,225	0	342	5,380	0	18,711	0	475	11	0
	2. Physical Contingency (15% of 1))	881	0	0	184	0	51	807	0	2,807	0	71	2	0
	3. Price Contingency (10% of 1 & 2)	676	0	0	141	0	39	619	0	2,152	0	55	1	0
	4. Total Direct Cost	7,431	0	0	1,550	0	433	6,805	0	23,670	0	601	13	0
	5. Indirect Cost													
	6. Feasibility Study/DD (9% of 4)	669	0	0	139	0	39	612	0	2,130	0	54	1	0
	7. Construction Supervision (4% of 4)	297	0	0	62	0	17	272	0	947	0	24	1	0
	8. Training (3% and 12% for urban & rural)	223	0	0	46	0	13	817	0	2,840	0	72	2	0
	9. Total indirect Cost	1,189	0	0	248	0	69	1,701	0	5,917	0	150	3	0
	10. Total Project Cost	8,620	0	0	1,798	0	502	8,507	0	29,587	0	751	17	0
5	1. Datu Odin Sinsuat	0	1,024	813	1,352	65	271	0	3,674	91,426	2,893	930	1,317	0
	2. Physical Contingency (15% of 1))	0	154	122	203	10	41	0	551	13,714	434	140	197	0
	3. Price Contingency (10% of 1 & 2)	0	118	93	155	7	31	0	423	10,514	333	107	151	0
	4. Total Direct Cost	0	1,295	1,028	1,710	82	343	0	4,648	115,654	3,660	1,177	1,666	0
	5. Indirect Cost													
	6. Feasibility Study/DD (9% of 4)	0	117	93	154	7	31	0	418	10,409	329	106	150	0
	7. Construction Supervision (4% of 4)	0	52	41	68	3	14	0	186	4,626	146	47	67	0
	8. Training (3% and 12% for urban & rural)	0	39	31	51	2	10	0	558	13,878	439	141	200	0
	9. Total indirect Cost	0	207	165	274	13	55	0	1,162	28,913	915	294	416	0
	10. Total Project Cost	0	1,503	1,193	1,984	95	398	0	5,810	144,567	4,575	1,471	2,082	0
6	1. Datu Paglas	0	729	291	0	55	271	0	338	23,484	0	425	281	0
	2. Physical Contingency (15% of 1))	0	109	44	0	8	41	0	51	3,523	0	64	42	0
	3. Price Contingency (10% of 1 & 2)	0	84	33	0	6	31	0	39	2,701	0	49	32	0
	4. Total Direct Cost	0	923	368	0	70	343	0	428	29,708	0	537	356	0
	5. Indirect Cost													
	6. Feasibility Study/DD (9% of 4)	0	83	33	0	6	31	0	39	2,674	0	48	32	0
	7. Construction Supervision (4% of 4)	0	37	15	0	3	14	0	17	1,188	0	21	14	0
	8. Training (3% and 12% for urban & rural)	0	28	11	0	2	10	0	51	3,565	0	64	43	0
	9. Total indirect Cost	0	148	59	0	11	55	0	107	7,427	0	134	89	0
	10. Total Project Cost	0	1,070	427	0	81	398	0	535	37,135	0	672	445	0

Appendix Table 9.3. 4 Total Investment Costs (P x 1,000)- breakdown -Phase II

Municipality		Phase II (2010-2015) Requirement													
		Urban Area					Rural Area								
		Water Supply			Sanitation		Water Supply			Sanitation					
	Level III	Level II	Level I	HH Flush	HH Pour Flush	Public School	Public Utilities	Level III	Level II	Level I	III Flush	HH Pour Flush	Public School	Public Utilities	
7	1. Datu Piang	6,100	0	0	252	0	0	342	0	27,957	0	93	167	0	
	2. Physical Contingency(15% of 1))	915	0	0	38	0	51	0	0	4,194	0	14	25	0	
	3. Price Contingency (10% of 1 & 2)	701	0	0	29	0	39	0	0	3,215	0	11	19	0	
	4.Total Direct Cost	7,716	0	0	319	0	0	433	0	0	35,365	0	118	212	0
	5. Indirect Cost														
	6. Feasibility Study/DD (9% of 4)	694	0	0	29	0	0	39	0	0	3,183	0	11	19	0
	7 Construction Supervision(4% of 4)	309	0	0	13	0	0	17	0	0	1,415	0	5	8	0
	8. Training(3% and 12% for urban & rural)	231	0	0	10	0	0	13	0	0	4,244	0	14	25	0
	9. Total indirect Cost	1,235	0	0	51	0	0	69	0	0	8,841	0	30	53	0
	10.Total Project Cost	8,951	0	0	370	0	0	502	0	0	44,207	0	148	265	0
8	1. Datu Saudi	0	0	0	0	0	0	0	0	26,383	0	133	167	342	
	2. Physical Contingency(15% of 1))	0	0	0	0	0	0	0	0	3,937	0	20	25	51	
	3. Price Contingency (10% of 1 & 2)	0	0	0	0	0	0	0	0	3,034	0	15	19	39	
	4.Total Direct Cost	0	0	0	0	0	0	0	0	33,374	0	168	212	433	
	5. Indirect Cost														
	6. Feasibility Study/DD (9% of 4)	0	0	0	0	0	0	0	0	3,004	0	15	19	39	
	7 Construction Supervision(4% of 4)	0	0	0	0	0	0	0	0	1,335	0	7	8	17	
	8. Training(3% and 12% for urban & rural)	0	0	0	0	0	0	0	0	4,005	0	20	25	52	
	9. Total indirect Cost	0	0	0	0	0	0	0	0	8,343	0	42	53	108	
	10.Total Project Cost	0	0	0	0	0	0	0	0	41,717	0	210	265	541	
9	1. Datu Unsay	0	0	0	0	0	0	0	0	10,134	0	344	0	342	
	2. Physical Contingency(15% of 1))	0	0	0	0	0	0	0	0	1,520	0	52	0	51	
	3. Price Contingency (10% of 1 & 2)	0	0	0	0	0	0	0	0	1,165	0	40	0	39	
	4.Total Direct Cost	0	0	0	0	0	0	0	0	12,820	0	435	0	433	
	5. Indirect Cost														
	6. Feasibility Study/DD (9% of 4)	0	0	0	0	0	0	0	0	1,154	0	39	0	39	
	7 Construction Supervision(4% of 4)	0	0	0	0	0	0	0	0	513	0	17	0	17	
	8. Training(3% and 12% for urban & rural)	0	0	0	0	0	0	0	0	1,538	0	52	0	52	
	9. Total indirect Cost	0	0	0	0	0	0	0	0	3,205	0	109	0	108	
	10.Total Project Cost	0	0	0	0	0	0	0	0	16,025	0	544	0	541	

Appendix Table 9.3.4 Total Investment Costs (P x 1,000)- breakdown -Phase II

Municipality	Phase II (2010-2015) Requirement														
	Urban Area						Rural Area								
	Water Supply			Sanitation			Water Supply			Sanitation					
	Level III	Level II	Level I	HH Flush	HH Pour Flush	Public School	Public Utilities	Level III	Level II	Level I	HH Flush	HH Pour Flush	Public School	Public Utilities	
10	1. Gen. S. K. Pendatun														
	0	948	3,163	0	177	0	342	0	2,007	18,963	0	681	374	0	
	0	142	474	0	27	0	51	0	301	2,844	0	102	56	0	
	0	109	364	0	20	0	39	0	231	2,181	0	78	43	0	
	0	1,199	4,001	0	224	0	433	0	2,539	23,988	0	862	473	0	
	5. Indirect Cost														
	0	108	360	0	20	0	39	0	229	2,159	0	78	43	0	
	0	48	160	0	9	0	17	0	102	960	0	34	19	0	
	0	36	120	0	7	0	13	0	305	2,879	0	103	57	0	
	0	192	640	0	36	0	69	0	635	5,997	0	215	118	0	
	0	1,391	4,641	0	260	0	502	0	3,174	29,985	0	1,077	591	0	
11	1. Guindulungan														
	0	0	0	0	0	0	0	0	0	34,510	0	400	411	342	
	0	0	0	0	0	0	0	0	0	5,177	0	60	62	51	
	0	0	0	0	0	0	0	0	0	3,969	0	46	47	39	
	0	0	0	0	0	0	0	0	0	43,656	0	506	520	433	
	5. Indirect Cost														
	0	0	0	0	0	0	0	0	0	3,929	0	46	47	39	
	0	0	0	0	0	0	0	0	0	1,746	0	20	21	17	
	0	0	0	0	0	0	0	0	0	5,239	0	61	62	52	
	0	0	0	0	0	0	0	0	0	10,914	0	126	130	108	
	0	0	0	0	0	0	0	0	0	54,570	0	632	650	541	
12	1. Kabuntalan														
	0	1,256	1,305	0	106	271	342	0	0	29,024	0	494	544	0	
	0	188	196	0	16	41	51	0	0	4,354	0	74	82	0	
	0	144	150	0	12	31	39	0	0	3,338	0	57	63	0	
	0	1,589	1,651	0	134	343	433	0	0	36,716	0	625	688	0	
	5. Indirect Cost														
	0	143	149	0	12	31	39	0	0	3,304	0	56	62	0	
	0	64	66	0	5	14	17	0	0	1,469	0	25	28	0	
	0	48	50	0	4	10	13	0	0	4,406	0	75	83	0	
	0	254	264	0	21	55	69	0	0	9,179	0	156	172	0	
	0	1,843	1,915	0	155	398	502	0	0	45,895	0	781	860	0	

Appendix Table 9.3. 4 Total Investment Costs (P x 1,000)–breakdown –Phase II

Municipality	Phase II (2010-2015) Requirement													
	Urban Area						Rural Area							
	Water Supply			Sanitation			Water Supply			Sanitation				
	Level III	Level II	Level I	HH Flush	HH Pour Flush	Public School	Public Utilities	Level III	Level II	Level I	HH Flush	HH Pour Flush	Public School	Public Utilities
13	1. Mamasapano	0	0	852	0	0	0	0	978	14,831	0	263	126	0
	2. Physical Contingency (15% of 1))	0	0	128	0	0	0	0	147	2,225	0	39	19	0
	3. Price Contingency (10% of 1 & 2)	0	0	98	0	0	0	0	112	1,706	0	30	14	0
	4. Total Direct Cost	0	0	1,077	0	0	0	0	1,237	18,761	0	333	159	0
	5. Indirect Cost													
	6. Feasibility Study/DD (9% of 4)	0	0	97	0	0	0	0	111	1,689	0	30	14	0
	7. Construction Supervision (4% of 4)	0	0	43	0	0	0	0	49	750	0	13	6	0
	8. Training (3% and 12% for urban & rural)	0	0	32	0	0	0	0	148	2,251	0	40	19	0
	9. Total indirect Cost	0	0	172	0	0	0	0	309	4,690	0	83	40	0
	10. Total Project Cost	0	0	1,250	0	0	0	0	1,546	23,451	0	416	199	0
14	1. Matanog	0	0	3,447	0	0	0	0	2,091	13,318	0	332	599	0
	2. Physical Contingency (15% of 1))	0	0	517	0	0	0	0	314	1,998	0	50	90	0
	3. Price Contingency (10% of 1 & 2)	0	0	396	0	0	0	0	240	1,532	0	38	69	0
	4. Total Direct Cost	0	0	4,361	0	0	0	0	2,645	16,847	0	420	758	0
	5. Indirect Cost													
	6. Feasibility Study/DD (9% of 4)	0	0	392	0	0	0	0	238	1,516	0	38	68	0
	7. Construction Supervision (4% of 4)	0	0	174	0	0	0	0	106	674	0	17	30	0
	8. Training (3% and 12% for urban & rural)	0	0	131	0	0	0	0	317	2,022	0	50	91	0
	9. Total indirect Cost	0	0	698	0	0	0	0	661	4,212	0	105	190	0
	10. Total Project Cost	0	0	5,058	0	0	0	0	3,306	21,058	0	525	948	0
15	1. Pagagawan	0	0	0	0	0	0	0	0	36,093	896	788	704	342
	2. Physical Contingency (15% of 1))	0	0	0	0	0	0	0	0	5,414	134	118	106	51
	3. Price Contingency (10% of 1 & 2)	0	0	0	0	0	0	0	0	4,151	103	91	81	39
	4. Total Direct Cost	0	0	0	0	0	0	0	0	45,657	1,134	997	891	433
	5. Indirect Cost													
	6. Feasibility Study/DD (9% of 4)	0	0	0	0	0	0	0	1,139	4,109	102	90	80	39
	7. Construction Supervision (4% of 4)	0	0	0	0	0	0	0	506	1,826	45	40	36	17
	8. Training (3% and 12% for urban & rural)	0	0	0	0	0	0	0	1,519	5,479	136	120	107	52
	9. Total indirect Cost	0	0	0	0	0	0	0	3,165	11,414	283	249	223	108
	10. Total Project Cost	0	0	0	0	0	0	0	15,823	57,072	1,417	1,246	1,114	541



Appendix Table 9.3. 4 Total Investment Costs (P x 1,000)- breakdown -Phase II

Municipality		Phase II (2010-2015) Requirement												
		Urban Area					Rural Area							
		Water Supply			Sanitation		Water Supply			Sanitation				
Level III	Level II	Level I	HH Flush	HH Pour Flush	Public School	Public Utilities	Level III	Level II	Level I	HH Flush	HH Pour Flush	Public School	Public Utilities	
16	1. Pagalungan	6,507	0	2,740	1,764	42	342	0	0	35,554	0	920	650	0
	2. Physical Contingency (15% of 1))	976	0	411	265	6	51	0	0	5,333	0	138	98	0
	3. Price Contingency (10% of 1 & 2)	748	0	315	203	5	39	0	0	4,089	0	106	75	0
	4.Total Direct Cost	8,231	0	3,466	2,231	53	433	0	0	44,976	0	1,163	823	0
	5. Indirect Cost													
	6. Feasibility Study/DD (9% of 4)	741	0	312	201	5	39	0	0	4,048	0	105	74	0
	7 Construction Supervision(4% of 4)	329	0	139	89	2	17	0	0	1,799	0	47	33	0
	8. Training(3% and 12% for urban & rural)	247	0	104	67	2	13	0	0	5,397	0	140	99	0
	9. Total indirect Cost	1,317	0	555	357	8	69	0	0	11,244	0	291	206	0
	10.Total Project Cost	9,548	0	4,021	2,588	61	502	0	0	56,220	0	1,454	1,028	0
17	1. Paglat	0	0	0	0	0	0	0	0	7,339	0	118	0	342
	2. Physical Contingency(15% of 1))	0	0	0	0	0	0	0	0	1,101	0	18	0	51
	3. Price Contingency (10% of 1 & 2)	0	0	0	0	0	0	0	0	844	0	14	0	39
	4.Total Direct Cost	0	0	0	0	0	0	0	0	9,283	0	149	0	433
	5. Indirect Cost													
	6. Feasibility Study/DD (9% of 4)	0	0	0	0	0	0	0	0	836	0	13	0	39
	7 Construction Supervision(4% of 4)	0	0	0	0	0	0	0	0	371	0	6	0	17
	8. Training(3% and 12% for urban & rural)	0	0	0	0	0	0	0	0	1,114	0	18	0	52
	9. Total indirect Cost	0	0	0	0	0	0	0	0	2,321	0	37	0	108
	10.Total Project Cost	0	0	0	0	0	0	0	0	11,604	0	186	0	541
18	1. Parang	8,526	729	14,684	1,906	49	342	0	0	79,086	562	258	528	0
	2. Physical Contingency(15% of 1))	1,279	109	2,203	286	7	51	0	0	11,863	84	39	79	0
	3. Price Contingency (10% of 1 & 2)	981	84	1,689	219	6	39	0	0	9,095	65	30	61	0
	4.Total Direct Cost	10,786	922	18,575	2,412	61	433	0	0	100,043	710	326	668	0
	5. Indirect Cost													
	6. Feasibility Study/DD (9% of 4)	971	83	1,672	217	6	39	0	0	9,004	64	29	60	0
	7 Construction Supervision (4% of 4)	431	37	743	96	2	17	0	0	4,002	28	13	27	0
	8. Training(3% and 12% for urban & rural)	324	28	557	72	2	13	0	0	12,005	85	39	80	0
	9. Total indirect Cost	1,726	147	2,972	386	10	69	0	0	25,011	178	82	167	0
	10.Total Project Cost	12,512	1,069	21,547	2,797	71	502	0	0	125,054	888	408	835	0

Appendix Table 9.3. 4 Total Investment Costs (P x 1,000)-breakdown-Phase II

Municipality	Phase II (2010-2015) Requirement													
	Urban Area					Rural Area								
	Water Supply			Sanitation		Water Supply			Sanitation					
	Level III	Level II	Level I	HH Flush	HH Pour Flush	Public School	Public Utilities	Level III	Level II	Level I	HH Flush	HH Pour Flush	Public School	Public Utilities
19	I. Shariff Aguak													
	5,282	0	46	1,728	0	0	342	3,851	779	18,553	1,958	496	188	0
	792	0	7	259	0	0	51	578	117	2,783	294	74	28	0
	607	0	5	199	0	0	39	443	90	2,134	225	57	22	0
	6,682	0	59	2,186	0	0	433	4,871	985	23,469	2,477	627	238	0
	4. Total Direct Cost													
	5. Indirect Cost													
	601	0	5	197	0	0	39	438	89	2,112	223	56	21	0
	267	0	2	87	0	0	17	195	39	939	99	25	10	0
	200	0	2	66	0	0	13	585	118	2,816	297	75	29	0
	1,069	0	9	350	0	0	69	1,218	246	5,867	619	157	60	0
	7,751	0	68	2,535	0	0	502	6,089	1,232	29,337	3,096	784	298	0
	10. Total Project Cost													
20	I. South Upi													
	5,716	0	12,538	1,259	64	0	342	0	0	74,560	0	456	145	0
	857	0	1,881	189	10	0	51	0	0	11,184	0	68	22	0
	657	0	1,442	145	7	0	39	0	0	8,574	0	52	17	0
	7,230	0	15,860	1,592	81	0	433	0	0	94,318	0	577	183	0
	4. Total Direct Cost													
	5. Indirect Cost													
	651	0	1,427	143	7	0	39	0	0	8,489	0	52	16	0
	289	0	634	64	3	0	17	0	0	3,773	0	23	7	0
	217	0	476	48	2	0	13	0	0	11,318	0	69	22	0
	1,157	0	2,538	255	13	0	69	0	0	23,580	0	144	46	0
	8,387	0	18,398	1,847	94	0	502	0	0	117,898	0	722	229	0
	10. Total Project Cost													
21	I. Sultan Kudarat													
	0	0	770	2,061	0	0	342	3,272	488	70,212	7,770	1,547	939	0
	0	0	116	309	0	0	51	491	73	10,532	1,165	232	141	0
	0	0	89	237	0	0	39	376	56	8,074	894	178	108	0
	0	0	974	2,608	0	0	433	4,138	617	88,818	9,829	1,957	1,188	0
	4. Total Direct Cost													
	5. Indirect Cost													
	0	0	88	235	0	0	39	372	56	7,994	885	176	107	0
	0	0	39	104	0	0	17	166	25	3,553	393	78	48	0
	0	0	29	78	0	0	13	497	74	10,658	1,179	235	143	0
	0	0	156	417	0	0	69	1,035	154	22,204	2,457	489	297	0
	0	0	1,130	3,025	0	0	502	5,173	771	111,022	12,286	2,446	1,485	0
	10. Total Project Cost													

Appendix Table 9.3. 4 Total Investment Costs (P x 1,000)- breakdown -Phase II

Municipality	Phase II (2010-2015) Requirement													
	Urban Area						Rural Area							
	Water Supply			Sanitation			Water Supply			Sanitation				
	Level III	Level II	Level I	HH Flush	HH Pour Flush	Public School	Public Utilities	Level III	Level II	Level I	HH Flush	HH Pour Flush	Public School	Public Utilities
22	1. Sultan Mastura													
	2. Physical Contingency(15% of 1))													
	3. Price Contingency (10% of 1 & 2)													
	4.Total Direct Cost													
	5. Indirect Cost													
	6. Feasibility Study/DD (9% of 4)													
	7 Construction Supervision(4% of 4)													
	8. Training(3% and 12% for urban & rural)													
	9. Total indirect Cost													
	10.Total Project Cost													
23	1. Sultan Sa Barongis													
	2. Physical Contingency(15% of 1))													
	3. Price Contingency (10% of 1 & 2)													
	4.Total Direct Cost													
	5. Indirect Cost													
	6. Feasibility Study/DD (9% of 4)													
	7 Construction Supervision(4% of 4)													
	8. Training(3% and 12% for urban & rural)													
	9. Total indirect Cost													
	10. Total Project Cost													
24	1. Taleyay													
	2. Physical Contingency(15% of 1))													
	3. Price Contingency (10% of 1 & 2)													
	4.Total Direct Cost													
	5. Indirect Cost													
	6. Feasibility Study/DD (9% of 4)													
	7 Construction Supervision(4% of 4)													
	8. Training(3% and 12% for urban & rural)													
	9. Total indirect Cost													
	10. Total Project Cost													

Appendix Table 9.3. 4 Total Investment Costs (P x 1,000)-breakdown -Phase II

Municipality		Phase II (2010-2015) Requirement											
		Urban Area						Rural Area					
		Water Supply			Sanitation			Water Supply			Sanitation		
Level III	Level II	Level I	HH Flush	HH Pour Flush	Public School	Public Utilities	Level III	Level II	Level I	HH Flush	HH Pour Flush	Public School	Public Utilities
25	1. Taitay	0	0	0	0	0	0	0	37,672	0	575	846	342
	2. Physical Contingency(15% of 1))	0	0	0	0	0	0	0	5,651	0	86	127	51
	3. Price Contingency (10% of 1 & 2)	0	0	0	0	0	0	0	4,332	0	66	97	39
	4.Total Direct Cost	0	0	0	0	0	0	0	47,656	0	728	1,070	433
	5. Indirect Cost												
	6. Feasibility Study/DD (9% of 4)	0	0	0	0	0	0	0	4,289	0	66	96	39
	7 Construction Supervision(4% of 4)	0	0	0	0	0	0	0	1,906	0	29	43	17
	8. Training(3% and 12% for urban & rural)	0	0	0	0	0	0	0	5,719	0	87	128	52
	9. Total indirect Cost	0	0	0	0	0	0	0	11,914	0	182	267	108
	10.Total Project Cost	0	0	0	0	0	0	0	59,569	0	910	1,337	541
26	1. Upi	4,022	0	131	764	0	271	342	50,399	0	917	737	0
	2. Physical Contingency(15% of 1))	603	0	20	115	0	41	51	7,560	0	137	111	0
	3. Price Contingency (10% of 1 & 2)	463	0	15	88	0	31	39	5,796	0	105	85	0
	4.Total Direct Cost	5,088	0	166	967	0	343	433	63,755	0	1,160	933	0
	5. Indirect Cost												
	6. Feasibility Study/DD (9% of 4)	458	0	15	87	0	31	39	5,738	0	104	84	0
	7 Construction Supervision(4% of 4)	204	0	7	39	0	14	17	2,550	0	46	37	0
	8. Training(3% and 12% for urban & rural)	153	0	5	29	0	10	13	7,651	0	139	112	0
	9. Total indirect Cost	814	0	27	155	0	55	69	15,939	0	290	233	0
	10.Total Project Cost	5,902	0	193	1,121	0	398	502	79,693	0	1,449	1,166	0
	<b>Provincial Total</b>	<b>61,671</b>	<b>17,309</b>	<b>68,306</b>	<b>18,066</b>	<b>1,849</b>	<b>3,181</b>	<b>9,535</b>	<b>1,449,015</b>	<b>23,227</b>	<b>22,782</b>	<b>17,518</b>	<b>3,786</b>