# CHAPTER 8

# INSTITUTIONAL STRENGTHENING PLAN

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# **CHAPTER EIGHT**

# 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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# **CHAPTER EIGHT**

- 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

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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.

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# **CHAPTER EIGHT**

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

\$	Provincial Water Supply & Sanitation Coordinator	1
<b>ب</b>	Community Development, Gender & Training Specialist	2
\$	Water Supply & Sanitation Engineer	2
٥	Monitoring and Evaluation Specialist	<u>1</u>
\$	Total Personnel Required	б

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

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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

# **CHAPTER EIGHT**

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

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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 the 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.

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# **CHAPTER EIGHT**

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.

# **CHAPTER EIGHT**

# 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.

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# 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.

Comprehensive Basic Survey of the Autonomous Region in Muslim Mindanao Water Supply and Sanitation Sector: Province of Maguindanao

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		Unit Construction	Service Co	overage	Unii	t Cost
	Sector Service Level	Cost per Facility (Pesos)	Served Population	Served House- holds	Pesos/ Person	Pesos/ House- hold
ly l	Level III					
ddn	New System					
r S	For 5,000 Population	23,261,531	5,000	N/A	4,652	N/A
'atc	For 10,000 Population	35,852,859	10,000	N/A	3,585	N/A
Urban Water Supply	Expansion					
bai	For 5,000 Population	21,711,488	5,000	N/A	4,342	N/A
5	For 10,000 Population	34,302,816	10,000	N/A	3,430	N/A
	Level II					
<u>v</u>	Deep Well Source	950,200	600	120	1,584	7,918
Rural Water Supply	Spring Source	1,154,509	600	120	1,924	9,621
Su	Level I					
Iter	Deep Well					
M <sup>2</sup>	30 meter depth	164,000	N/A	15	N/A	10,933
ral	50 meter depth	198,000	N/A	15	N/A	13,200
Ru	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
ļ	20 meter depth	105,000	N/A	15	N/A	7,000
_	Household Toilet					
tior	Flush	4,871	N/A	1	N/A	4,871
Sanitation	Pour Flush	653	N/A	1	N/A	653
Sar	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

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

## 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.

Name of Equipment	Unit Cost (Pesos 1,000)
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

Comprehensive Basic Survey of the Autonomous Region in Muslim Mindanao Water Supply and Sanitation Sector: Province of Maguindanao

#### **CHAPTER NINE**

#### 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.

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ļ			U	ban Area	···	Pha	se I (2005-	-2010) Requ	irement	R	ural Area	al Area			
Municipality	v v	ater Supp			San	itation			Water Suj			Sani	tation		
	Level III	Level II	Level 1	HH Flush	HH Pour Flush	Public School	Public Utilities	Level III	Level II	Level 1	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	İ 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 11 Guindulungan	0	4,741	4,145	0	177	398 0	502	0	10,816	28,255	0	731	734	0	
12 Kabuntalan	0	5,206	905	0	87	1,591	502	0	0	47,893 43,069	0	370	2,333	541	
13 Mamasapano	0	0,200	1,242	0	7	398	502	0	5,968	23,146	0	166	3,199 856	0	
14 Matanog	0	ů 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	705	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	\$9	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	
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						Phas	е П (2010-			-,,-,,					
		· · · · · · · · · · · · · · · · · · ·	Ur	ban Area		Phas	е II (2010-	2015) Requ			ral Area			<u> </u>	
Municipality	w	ater Suppl		ban Area	Sani	Phas	е II (2010-	2015) Requ		Ru	· · · · · · · · · · · · · · · · · · ·	Sanit			
Municipality			y		НН	tation		2015) Requ	irement	Ru	ral Area	Sanit	ation		
Municipality	W Level III.	ater Suppl		ban Area HH Flush	HH Pour		e II (2010- Public Utilities	2015) Requ	irement	Ru	· · · · · · · · · · · · · · · · · · ·			Public	
	Level III .	Level II	ly Level 1	HH Flush	HH Pour Flush	tation Public School	Public Utilities	2015) Requ Level III	irement Water Sup Level II	Ru ply Level 1	ral Area HH Flush	Sanit HH Pour Flusb	ation Public School	Public Utilities	
ł Ampatuan	Level III . 0	Level II 2,312	ly Level 1 1,067	HH Flush 0	HH Pour Flush 151	tation Public School 398	Public Utilities	2015) Requ Level III 25.225	irement Water Sup Levei II 10,121	Ru ply Level 1 53,015	ral Area HH Flush 963	Sanit HH Pour Flusb 675	ation Public School 476	Public Utilities	
1 Ampatuan 2 Barira	Level III . 0 0	Level II 2,312 1,410	ly Level 1 1,067 0	HH Flush 0 0	HH Pour Flush 151 152	tation Public School 398 398	Public Utilities 502 502	2015) Requ Level III 25.225 0	irement Water Sup Level II 10,121 547	Ru ply Level 1 53,015 44,599	ral Area HH Flush 963 0	Sanit HH Pour Flusb 675 442	ation Public School 476 355	Public Utilities 0 0	
ł Ampatuan	Level III . 0	Level II 2,312	ly Level 1 1,067	HH Flush 0 0	HH Pour Flush 151	tation Public School 398	Public Utilities 502 502 502	2015) Requ Level III 25.225 0 26.556	irement Water Sup Levei II 10,121	Ru ply Level 1 53,015 44,599 84,913	ral Area HH Flush 963 0 0	Sanit: HH Pour Flusb 675 442 904	ation Public School 476 355 1,301	Public Utilities 0 0 0	
1 Ampatuan 2 Barira 3 Buldon	Level III <sub>.</sub> 0 0 0	Level II 2,312 1,410 2,774	ly Level 1 1,067 0 3,807	HH Flush 0 0	HH Pour Flush 151 152 204	tation Public School 398 398 398	Public Utilities 502 502	2015) Requ Level III 25.225 0	irement Water Sup Level II 10,121 547 0 0	Ru ply Level 1 53,015 44,599 84,913 29,587	ral Area HH Flush 963 0 0 0	Sanit: HH Pour Flusb 675 442 904 751	ation Public School 476 355 1,301 17	Public Utilities 0 0	
i Ampatuan 2 Barira 3 Buldon 4 Buluan	Level III 0 0 0 8.620	Level II 2,312 1,410 2,774 0	ly Level 1 1,067 0 3,807 0	HH Flush 0 0 1,798 1,984 0	HH Pour Flush 151 152 204 0	tation Public School 398 398 398 0	Public Utilities 502 502 502 502	2015) Requ Level III 25.225 0 26.556 8.507	irement Water Sup Level II 10,121 547 0	Ru ply Level 1 53,015 44,599 84,913	ral Area HH Flush 963 0 0	Sanit: HH Pour Flusb 675 442 904	ation Public School 476 355 1,301	Public Utilities 0 0 0 0	
<ul> <li>Ampatuan</li> <li>Barira</li> <li>Buldon</li> <li>Buluan</li> <li>Datu Odin Sinsuat</li> <li>Datu Paglas</li> <li>Datu Piang</li> </ul>	Level III 0 0 0 8.620 0	Level II 2,312 1,410 2,774 0 1,503	Level 1 1,067 0 3,807 0 1,193	HH Flush 0 0 1,798 1,984	HH Pour Flush 151 152 204 0 95	tation Public School 398 398 398 0 398	Public Utilities 502 502 502 502 502 502	2015) Requ Level III 25.225 0 26.556 8.507 0	irement Water Sup Level II 10,121 547 0 0 5,810	Ru ply Level 1 53,015 44,599 84,913 29,587 144,567	ral Area HH Flush 963 0 0 0 4.575	Sanit: HH Pour Flush 675 442 904 751 1,471	ation Public School 476 355 1,301 17 2,082	Public Utilities 0 0 0 0 0	
<ul> <li>Ampatuan</li> <li>Barira</li> <li>Buldon</li> <li>Buluan</li> <li>Datu Odin Sinsuat</li> <li>Datu Paglas</li> <li>Datu Piang</li> <li>Datu Saudi</li> </ul>	Level III 0 0 0 8.620 0 0 8.951 0	Level II 2,312 1,410 2,774 0 1,503 1,070 0 0	y Level 1 1,067 0 3,807 0 1,193 427 0 0 0	HH Flush 0 0 1,798 1,984 0	HH Pour Flush 151 152 204 0 95 81 0 0	tation Public School 398 398 0 398 398 398 398	Public Utilities 502 502 502 502 502 502 502 502 0	2015) Requ Level III 25.225 0 26.556 8.507 0 0	irement Water Sup Level II 547 0 0 5,810 535	Ru ply Level 1 53,015 44,599 84,913 29,587 144,567 37,135	ral Area HH Ftush 963 0 0 0 4,575 0	Sanit HH Pour Flusb 675 442 904 751 1,471 672	ation Public School 476 355 1,301 17 2,082 445	Public Utilities 0 0 0 0 0 0	
<ul> <li>Ampatuan</li> <li>Barira</li> <li>Barira</li> <li>Buldon</li> <li>Buldon</li> <li>Buluan</li> <li>Datu Odin Sinsuat</li> <li>Datu Paglas</li> <li>Datu Piang</li> <li>Datu Saudi</li> <li>Datu Unsay</li> </ul>	Level III 0 0 8.620 0 8.951 0 0	Level II 2,312 1,410 2,774 0 1,503 1,070 0 0 0 0 0	y Level 1 1,067 0 3,807 0 1,193 427 0 0 0 0	HH Flush 0 0 0 1,798 1,984 0 370 0 0 0	HH Pour Flush 151 152 204 0 95 81 0 0 0 0	tation Public School 398 398 398 0 398 398 0 0 0 0 0	Public Utilities 502 502 502 502 502 502 502 502 0 0	2015) Requ Level III 25.225 0 26.556 8.507 0 0 0	irement Water Sup Level II 10,121 547 0 0 5,810 5,810 535 0	Ru ply Level 1 53,015 44,599 84,913 29,587 144,567 37,135 44,207	ral Area HH Flush 963 0 0 0 4,575 0 0	Sanit HH Pour Flusb 675 442 904 751 1,471 672 143	ation Public School 476 355 1,301 17 2,082 445 265	Public Urilities 0 0 0 0 0 0 0 0 0 0	
<ol> <li>Ampatuan</li> <li>Barira</li> <li>Barira</li> <li>Buldon</li> <li>Buluan</li> <li>Datu Odin Sinsuat</li> <li>Datu Paglas</li> <li>Datu Piang</li> <li>Datu Saudi</li> <li>Datu Unsay</li> <li>Gen. S. K. Pendatum</li> </ol>	Level III . 0 0 0 8.620 0 0 8.951 0 0 0 0 0 0 0 0 0 0 0 0 0	Level II 2,312 1,410 2,774 0 1,503 1,070 0 0 0 0 1,391	y Level 1 1,067 0 3,807 0 1,193 427 0 0 0 0 4,641	HH Flush 0 0 1,798 1,984 0 370 0 0 0 0	HH Pour Flush 151 152 204 0 95 81 0 0 0 0 0 260	tation Public School 398 398 0 398 398 0 398 0 0 0 0 0 0	Public Utilities 502 502 502 502 502 502 502 0 0 0 502	2015) Requ Level III 25.225 0 26.556 8.507 0 0 0 0 0 0 0 0	irement Water Sup Level II 10,121 547 0 0 5,810 5,810 535 0 986	Ru ply Level 1 53,015 44,599 84,913 29,587 144,567 37,135 44,207 41,717	ral Area HH Flush 963 0 0 0 4,575 0 0 0	Sanit HH Pour Flusb 675 442 904 751 1,471 672 148 210	ation Public School 476 355 1,301 17 2,082 445 265 265	Public Utilities 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	
1       Ampatuan         2       Barira         3       Buldon         4       Buluan         5       Datu Odin Sinsuat         6       Datu Paglas         7       Datu Piang         8       Datu Saudi         9       Datu Unsay         10       Gen. S. K. Pendatun         11       Guindulungan	Level III 0 0 8.620 0 0 8,951 0 0 0 0 0 0 0 0 0 0 0 0 0	Level II 2,312 1,410 2,774 0 1,503 1,070 0 0 0 0 1,391 0 0	y Level 1 1,067 0 3,807 0 1,193 427 0 0 0 0 4,641 0	HH Flush 0 0 1,798 1,984 0 370 0 0 0 0 0 0	HH Pour Flush 151 152 204 0 95 81 0 0 0 0 0 260 0	tation Public School 398 398 0 0 398 398 0 0 0 0 0 0 0 0 0 0	Public Utilities 502 502 502 502 502 502 502 0 0 502 0 0	2015) Requ Level III 25.225 0 26.556 8.507 0 0 0 0 0 0 0 0 0 0	irement Water Sup Level II 10,121 547 0 0 5,810 535 0 986 880 3,174 0	Ru ply Level 1 53,015 44,599 84,913 29,587 144,567 37,135 44,207 41,717 16,025 29,985 54,570	ral Area HH Flush 963 0 0 4.575 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Sanit HH Pour Flusb 675 442 904 751 1,471 672 148 210 544 1,077 632	ation Public School 476 355 1,301 17 2,082 445 265 265 265 0	Public Utilities 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	
<ul> <li>Ampatuan</li> <li>Barira</li> <li>Buldon</li> <li>Buluan</li> <li>Datu Odin Sinsuat</li> <li>Datu Paglas</li> <li>Datu Paglas</li> <li>Datu Saudi</li> <li>Datu Unsay</li> <li>Gen. S. K. Pendatun</li> <li>Guindulungan</li> <li>Kabuntalan</li> </ul>	Level III 0 0 8.620 0 0 8,951 0 0 0 0 0 0 0 0 0 0 0 0 0	Level II 2,312 1,410 2,774 0 1,503 1,070 0 0 0 0 1,391 0 1,843	y Level 1 1,067 0 3,807 0 1,193 427 0 0 0 0 4,641 0 1,915	HH Flush 0 0 1,798 1,988 0 370 0 0 0 0 0 0 0 0 0 0 0 0	HH Pour Flush 151 152 204 0 95 81 0 0 0 260 0 155	tation Public School 398 398 0 0 398 398 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Public Utilities 502 502 502 502 502 502 502 0 0 502 0 0 502	2015) Requ Level III 25.225 0 26.556 8.507 0 0 0 0 0 0 0 0 0 0 0 0 0 0	irement Water Sup Level II 10,121 547 0 0 5,810 535 0 986 880 3,174 0 0	Ru ply Level 1 53,015 44,599 84,913 29,587 144,567 37,135 44,207 41,717 16,025 29,985 54,570 45,895	ral Area HH Flush 963 0 0 4.575 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Sanit HH Pour Flusb 675 442 904 751 1,471 672 148 210 544 1,077 632 781	ation Public School 476 355 1.301 17 2,082 445 265 265 265 265 0 591 650 860	Public Utilities 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	
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1       Ampatuan         2       Barira         3       Buldon         4       Buluan         5       Datu Odin Sinsuat         6       Datu Paglas         7       Datu Paglas         7       Datu Saudi         9       Datu Unsay         10       Gen, S. K. Pendatum         11       Guindulungan         12       Kabuntalan         13       Mamasapano         14       Matanog         15       Pagagawan	Level III 0 0 8.620 0 0 0 8.951 0 0 0 0 0 0 0 0 0 0 0 0 0	Level II 2,312 1,410 2,774 0 1,503 1,070 0 0 0 1,391 0 1,843 0 0 0 0 0 1,843 0 0 0 0 0 0 0 0 0 0 0 0 0	y Level 1 1,067 0 3,807 0 1,193 427 0 0 0 4,27 0 0 0 4,641 0 1,915 1,250 5,058 0	HH Flush 0 0 1,798 1,984 0 370 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	HH Pour Flush 151 152 204 0 95 81 0 0 0 0 260 0 0 260 0 155 17 78 0	tation Public School 398 398 0 398 0 398 0 0 0 0 0 0 398 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Public U'tillities 502 502 502 502 502 0 0 0 502 0 502 0 502 0 502 0 0 502 0 0	2015) Requ Level III 25.225 0 26.556 8.507 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	irement Water Sup Level II 10,121 547 0 0 5,810 535 0 986 880 3,174 0 0 1,546 3,306 0 0	Ru ply Level 1 53,015 44,599 84,913 29,587 144,567 37,135 44,207 41,717 16,025 29,985 54,570 45,895 23,451 21,058 57,072	ral Area HH Flush 963 0 0 4.575 0 0 4.575 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Sanit: HH Pour Flush 675 442 904 751 1,471 672 148 210 544 1,077 632 781 416 525 1,246	ation Public School 476 355 1,301 17 2,082 445 265 265 265 265 0 591 650 860 199 948 1,114	Public Utilities 0 0 0 0 0 0 0 0 0 0 0 0 0 541 541 0 0 541 0 0 0 0 541	
1       Ampatuan         2       Barira         3       Buldon         4       Buluan         5       Datu Odin Sinsuat         6       Datu Paglas         7       Datu Paglas         8       Datu Saudi         9       Datu Unsay         10       Gen, S. K. Pendatun         11       Guindulungan         12       Kabuntalan         13       Mamasapano         14       Matanog         15       Pagagawan         16       Pagalungan	Level III 0 0 8.620 0 0 8.951 0 0 0 0 0 0 0 0 0 0 0 0 0	Level II 2,312 1,410 2,774 0 1,503 1,070 0 0 0 0 1,391 0 1,843 0 0 0 0 0 0 0 0 0 0 0 0 0	y Level 1 1,067 0 3,807 0 1,193 427 0 0 0 4,27 0 0 0 4,641 0 1,915 1,250 5,058 0 4,021	HH Flush 0 0 1,798 1,984 0 370 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	HH Pour Flush 151 152 204 0 95 81 0 0 0 260 0 0 260 0 155 17 78 0 0 61	tation Public School 398 398 0 398 0 398 0 0 0 0 0 0 398 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Public Urilities 502 502 502 502 502 502 0 0 502 0 502 0 502 0 502 0 502 0 502	2015) Requ Level III 25.225 0 26.556 8.507 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	irement Water Sup Level II 10,121 547 0 0 5,810 535 0 986 880 3,174 0 0 0 1,546 3,306 0 0 0	Ru ply Level 1 53,015 44,599 84,913 29,587 144,567 37,135 44,207 41,717 16,025 29,985 54,570 45,895 23,451 21,058 57,072 56,220	ral Area HH Flush 963 0 0 0 4,575 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Sanit: HH Pour Flush 675 442 904 751 1,471 672 148 210 544 1,077 632 781 416 525 1,246 1,454	ation Public School 476 355 1,301 17 2,082 445 265 265 265 265 0 591 650 650 650 860 199 948 1,114 1,028	Public Utilities 0 0 0 0 0 0 0 0 541 0 0 541 0 0 0 541 0 0 0 541 0	
1       Ampatuan         2       Barira         3       Buldon         4       Buluan         5       Datu Odin Sinsuat         6       Datu Paglas         7       Datu Piang         8       Datu Saudi         9       Datu Unsay         10       Gen. S. K. Pendatun         11       Guindulungan         12       Kabuntalan         13       Mamasapano         14       Matanog         15       Pagagawan         16       Pagalungan         17       Paglat	Level III 0 0 8.620 0 0 8.951 0 0 0 0 0 0 0 0 0 0 0 0 0	Level II 2,312 1,410 2,774 0 1,503 1,070 0 0 0 0 1,391 0 1,843 0 0 1,843 0 0 0 0 0 0 0 0 0 0 0 0 0	y Level 1 1,067 0 3,807 0 1,193 427 0 0 427 0 0 427 0 0 0 4,641 0 1,915 1,250 5,058 0 4,021 0	HH Flush 0 0 1,798 1,984 0 370 0 0 0 0 0 0 0 0 0 0 0 0 0	HH Pour Flush 151 152 204 0 955 81 0 0 0 0 0 260 0 0 155 17 78 0 0 0 155 17 78 0 0	tation Public School 398 398 0 0 398 398 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Public Utilities 502 502 502 502 502 0 0 0 0 502 502 502	2015) Requ Level III 25.225 0 26.556 8.507 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	irement Water Sup Level II 10,121 547 0 0 5,810 535 0 986 880 3,174 0 0 1,546 3,306 0 0 1,546 3,306 0 0 0	Ru ply Level 1 53,015 44,599 84,913 29,587 144,567 37,135 44,207 41,717 16,025 29,985 54,570 45,895 23,451 21,058 57,072 56,220 11,604	ral Arca HH Flush 963 0 0 0 4,575 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Sanit: HH Pour Flusb 675 442 904 751 1,471 672 1,48 210 544 1,077 632 781 416 525 1,246 1,454 186	ation Public School 476 355 1,301 17 2,082 445 265 265 265 265 265 0 591 650 860 199 948 1,114 1,028 0	Public Utilities 0 0 0 0 0 0 0 0 0 541 0 0 541 0 0 0 541 0 0 541 0 0 541	
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Ampatuan     Barira     Barira     Buldon     Buluan     Datu Odin Sinsuat     Datu Paglas     Datu Paglas     Datu Saudi     Datu Unsay     Datu Unsay     Gen, S. K. Pendatun     Gen, S. K. Pendatun     Gandulungan     Amasapano     Adamasapano     Adamasapano     Adamasapano     Adamasapano     Sagagawan     Adamasapano     Sagagawan     Pagalungan     T Paglat     Shariff Aguak	Level III 0 0 8.620 0 8.951 0 0 0 0 0 0 0 0 0 0 0 0 0	Level II 2,312 1,410 2,774 0 1,503 1,070 0 0 0 1,391 0 1,843 0 0 1,843 0 0 0 1,843 0 0 0 1,843 0 0 0 0 1,606 0 0 0 0 0 0 0 0 0 0 0 0 0	y Level 1 1,067 0 3,807 0 1,193 427 0 0 0 4,641 0 1,915 1,250 5,058 0 4,021 0 21,547 68	HH Flush 0 0 1,798 1,984 0 370 0 0 0 0 0 0 0 0 0 0 0 0 0	HH Pour Flush 151 152 204 0 955 811 0 0 0 0 0 0 0 0 0 0 0 260 0 0 155 17 78 0 0 61 0 0 71 0 0	tation Public School 398 398 0 398 0 398 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Public Utilities 502 502 502 502 502 502 0 0 502 502 502	2015) Requ Level III 25.225 0 26.556 8.507 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	irement Water Sup Level II 10,121 547 0 0 5,810 535 0 986 880 3,174 0 0 1,546 3,306 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Ru ply Level 1 53,015 44,599 84,913 29,587 144,567 37,135 44,207 41,717 16,025 29,985 54,570 45,895 23,451 21,058 57,072 56,220 11,604 125,054 29,337	ral Area HH Flush 963 0 0 0 4,575 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Sanit HH Pour Flusb 675 442 904 751 1,471 672 1,471 672 1,48 210 544 1,077 632 781 416 525 1,246 1,454 186 408 784	ation Public School 476 355 1,301 17 2,082 445 265 265 265 265 0 591 650 860 199 948 1,114 1,028 0 835 298	Public Utilities 0 0 0 0 0 0 0 0 0 541 0 0 541 0 0 0 541 0 0 541 0 0 0 541 0 0	
1       Ampatuan         2       Barira         3       Buldon         4       Buluan         5       Datu Odin Sinsuat         6       Datu Paglas         7       Datu Paglas         7       Datu Saudi         9       Datu Unsay         10       Gen, S. K. Pendatun         11       Guindulungan         12       Kabuntalan         13       Mamasapano         14       Matanog         15       Pagagawan         16       Pagalat         18       Parang         19       Shariff Aguak         20       South Upi	Level III 0 0 8.620 0 0 0 0 0 0 0 0 0 0 0 0 0	Level II 2,312 1,410 2,774 0 1,503 1,070 0 0 0 1,391 0 1,843 0 0 0 0 0 0 0 0 0 0 0 0 0	y Level 1 1,067 0 3,807 0 1,193 427 0 0 0 4,641 0 1,915 1,250 5,058 0 4,021 0 21,547 68 18,398	HH Flush 0 0 1,798 1,984 0 370 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	HH Pour Flush 151 152 204 0 95 81 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 155 17 78 0 0 61 0 0 71 0 94	tation Public School 398 398 0 398 0 398 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Public Utilities 502 502 502 502 502 0 0 502 0 502 502 5	2015) Requ Level III 25.225 0 26.556 8.507 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	irement Water Sup Level II 10,121 547 0 0 5,810 535 0 986 880 3,174 0 1,546 3,306 0 0 1,546 3,306 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Ru ply Level 1 53,015 44,599 84,913 29,587 144,567 37,135 44,207 41,717 16,025 29,985 54,207 45,895 23,451 21,058 57,072 56,220 11,604 125,054 29,337 117,898	ral Area HH Flush 963 0 0 0 4.575 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Sanit HH Pour Flush 675 442 904 751 1,471 672 148 210 544 1,077 632 781 416 525 1,246 1,454 186 408 784 784 722	ation Public School 476 355 1,301 17 2,082 445 265 265 265 265 265 0 591 650 860 199 948 1,114 1,028 0 835 298 229	Public Utilities 0 0 0 0 0 0 0 0 0 541 0 541 0 0 541 0 0 541 0 0 541 0 0 0 0	
1       Ampatuan         2       Barira         3       Buldon         4       Buluan         5       Datu Odin Sinsuat         6       Datu Paglas         7       Datu Paglas         7       Datu Saudi         9       Datu Unsay         10       Gen. S. K. Pendatun         11       Guindulungan         12       Kabuntalan         13       Mamasapano         14       Matanog         15       Pagagawan         16       Paglat         18       Parang         19       Shariff Aguak         20       South Upi         21       Sultan Kudarat	Level III 0 0 8,620 0 0 8,951 0 0 0 0 0 0 0 0 0 0 0 0 0	Level II 2,312 1,410 2,774 0 1,503 1,503 1,070 0 0 0 1,391 0 1,843 0 1,843 0 0 0 0 0 0 1,843 0 0 0 0 1,645 0 0 0 0 0 0 0 0 0 0 0 0 0	y Level 1 1,067 0 3,807 0 1,193 427 0 0 427 0 0 4,641 0 1,915 1,250 5,058 0 4,021 0 21,547 68 18,398 1,130	HH Flush 0 0 1,798 1,984 0 370 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	HH Pour Flush 151 152 204 0 95 81 0 0 0 260 0 155 17 78 0 0 61 0 61 0 71 0 94 0	tation Public School 398 398 0 398 0 398 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Public Utilities 502 502 502 502 502 0 0 502 502 502 502	2015) Requ Level III 25.225 0 26.556 8.507 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	irement Water Sup Level II 10,121 547 0 0 5,810 535 0 986 880 3,174 0 1,546 3,306 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Ru ply Level 1 53,015 44,599 84,913 29,587 144,567 37,135 44,207 41,717 16,025 29,985 54,570 45,895 23,451 21,058 57,072 56,220 11,604 125,054 29,337 117,898 111,022	ral Area HH Flush 963 0 0 0 4.575 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Sanit HH Pour Flusb 675 442 904 751 1,471 672 143 210 544 1,077 632 781 416 525 1,246 1,454 186 408 784 784 722 2,446	ation Public School 476 355 1,301 17 2,082 445 265 265 265 265 265 265 265 265 265 26	Public Utilities 0 0 0 0 0 0 0 0 0 0 541 0 541 0 541 0 541 0 541 0 0 541 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	
1       Ampatuan         2       Barira         3       Buldon         4       Buluan         5       Datu Odin Sinsuat         6       Datu Paglas         7       Datu Odin Sinsuat         6       Datu Paglas         7       Datu Paglas         7       Datu Saudi         9       Datu Unsay         10       Gen. S. K. Pendatun         11       Guindulungan         12       Kabuntalan         13       Mamasapano         14       Matanog         15       Pagaguwan         16       Pagalungan         17       Paglat         18       Parang         19       Shariff Aguak         20       South Upi         21       Sultan Kudarat         22       Sultan Mastura	Level III 0 0 8,620 0 0 8,951 0 0 0 0 0 0 0 0 0 0 0 0 0	Level II 2,312 1,410 2,774 0 1,503 1,070 0 0 0 1,391 0 1,843 0 1,843 0 0 1,843 0 0 1,843 0 0 0 1,00 0 0 1,605 0 0 0 0 0 0 0 0 0 0 0 0 0	y Level 1 1,067 0 3,807 0 1,193 427 0 0 427 0 0 427 0 0 4,641 0 1,915 1,250 5,058 0 4,021 0 21,547 68 18,398 1,130 0	HH Flush 0 0 1,798 1,984 0 370 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	HH Pour Flush 151 204 0 95 31 0 0 0 260 0 260 0 155 17 78 0 61 61 0 71 0 94 0 0	tation Public School 398 398 0 398 0 398 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Public Utilities 502 502 502 502 502 0 0 502 0 502 502 5	2015) Requ Level III 25,225 0 26,556 8,507 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	irement Water Sup Level II 10,121 547 0 0 5,810 535 0 986 880 3,174 0 1,546 3,306 0 0 0 0 0 0 0 0 1,232 0 0 771 1,313	Ru ply Level 1 53,015 44,599 84,913 29,587 144,567 37,135 44,207 41,717 16,025 29,985 54,570 45,895 23,451 21,058 57,072 56,220 11,604 125,054 29,337 117,898 111,022 27,853	ral Area HH Flush 963 0 0 0 0 4,575 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Sanit HH Pour Flusb 675 442 904 751 1,471 672 143 210 544 1,077 632 781 416 525 1,246 1,454 186 408 784 784 722 2,446 910	ation Public School 476 355 1,301 17 2,082 445 265 265 265 265 265 265 265 265 265 26	Public Urilities 0 0 0 0 0 0 0 0 0 0 0 541 0 0 541 0 0 541 0 0 541 0 0 0 541	
1       Ampatuan         2       Barira         3       Buldon         4       Buluan         5       Datu Odin Sinsuat         6       Datu Paglas         7       Datu Paglas         7       Datu Saudi         9       Datu Unsay         10       Gen. S. K. Pendatun         11       Guindulungan         12       Kabuntalan         13       Mamasapano         14       Matanog         15       Pagagawan         16       Pagalungan         17       Paglat         18       Parang         19       Shariff Aguak         20       South Upi         21       Sultan Kudarat         22       Sultan Sa Barongis	Level III 0 0 8,620 0 0 8,951 0 0 0 0 0 0 0 0 0 0 0 0 0	Level II 2,312 1,410 2,774 0 1,503 1,503 1,070 0 0 0 1,391 0 1,843 0 1,843 0 0 0 0 0 0 1,843 0 0 0 0 1,645 0 0 0 0 0 0 0 0 0 0 0 0 0	y Level 1 1,067 0 3,807 0 1,193 427 0 0 427 0 0 427 0 0 44641 0 1,915 1,250 5,058 0 4,021 0 21,547 68 18,398 1,130 0 0	HH Flush 0 0 1,798 1,984 0 370 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	HH Pour Flush 151 152 204 0 95 81 0 0 0 260 0 155 17 78 0 0 61 0 61 0 71 0 94 0	tation Public School 398 398 0 398 0 398 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Public Utilities 502 502 502 502 502 0 0 502 502 502 502	2015) Requ Level III 25.225 0 26.556 8.507 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	irement Water Sup Level II 10,121 547 0 0 5,810 535 0 986 880 3,174 0 986 880 3,174 0 1,546 3,306 0 0 0 0 0 0 0 0 0 1,232 0 0 771 1,313 0 0	Ru ply Level 1 53,015 44,599 84,913 29,587 144,567 37,135 44,207 41,717 16,025 29,985 54,570 45,895 23,451 21,058 57,072 56,220 11,604 125,054 29,337 117,898 111,022 27,853 55,170	ral Area HH Flush 963 0 0 0 4.575 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Sanit HH Pour Flusb 675 442 904 751 1,471 672 143 210 544 1,077 632 781 416 525 1,246 1,454 186 408 784 784 722 2,446	ation Public School 476 355 1,301 17 2,082 445 265 265 265 265 265 0 591 650 860 199 948 1,114 1,028 1,114 1,028 298 229 1,485 440 561	Public Utilities 0 0 0 0 0 0 0 0 0 0 541 0 541 0 541 0 541 0 541 0 0 541 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	
1       Ampatuan         2       Barira         3       Buldon         4       Buluan         5       Datu Odin Sinsuat         6       Datu Paglas         7       Datu Odin Sinsuat         6       Datu Paglas         7       Datu Paglas         7       Datu Saudi         9       Datu Unsay         10       Gen. S. K. Pendatun         11       Guindulungan         12       Kabuntalan         13       Mamasapano         14       Matanog         15       Pagaguwan         16       Pagalungan         17       Paglat         18       Parang         19       Shariff Aguak         20       South Upi         21       Sultan Kudarat         22       Sultan Mastura	Level III 0 0 8,620 0 0 8,951 0 0 0 0 0 0 0 0 0 0 0 0 0	Level II 2,312 1,410 2,774 0 1,503 1,070 0 0 0 1,391 0 1,843 0 0 1,843 0 0 1,843 0 0 1,843 0 0 1,609 0 0 0 0 0 0 0 0 0 0 0 0 0	y Level 1 1,067 0 3,807 0 1,193 427 0 0 427 0 0 427 0 0 4,641 0 1,915 1,250 5,058 0 4,021 0 21,547 68 18,398 1,130 0	HH Flush 0 0 1,798 1,984 0 370 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	HH Pour Flush 151 204 0 95 31 0 0 0 260 0 155 17 78 0 0 155 17 78 0 0 155 17 78 0 0 155 17 78 0 0 0 155 17 78 0 0 0 0 260 0 0 260 0 0 0 260 0 0 0 279	tation Public School 398 398 0 398 0 398 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Public Utilities 502 502 502 502 502 0 0 502 0 502 502 5	2015) Requ Level III 25,225 0 26,556 8,507 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	irement Water Sup Level II 10,121 547 0 0 5,810 535 0 986 880 3,174 0 1,546 3,306 0 0 0 0 0 0 0 0 1,232 0 0 771 1,313	Ru ply Level 1 53,015 44,599 84,913 29,587 144,567 37,135 44,207 41,717 16,025 29,985 54,570 45,895 23,451 21,058 57,072 56,220 11,604 125,054 29,337 117,898 111,022 27,853	ral Area HH Flush 963 0 0 0 0 4,575 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Sanit HH Pour Flush 675 442 904 751 1,471 672 148 210 544 1,077 632 781 416 525 1,246 1,454 186 408 784 784 722 2,446 910 2,220	ation Public School 476 355 1,301 17 2,082 445 265 265 265 265 265 265 265 265 265 26	Public Urilities 0 0 0 0 0 0 0 0 0 0 0 541 0 541 0 0 541 0 0 541 0 0 541 0 0 541 0 0 541 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	
1       Ampatuan         2       Barira         3       Buldon         4       Buluan         5       Datu Odin Sinsuat         6       Datu Paglas         7       Datu Paglas         7       Datu Saudi         9       Datu Unsay         10       Gen. S. K. Pendatun         11       Guindulungan         12       Kabuntalan         13       Mamasapano         14       Matanog         15       Pagagawan         16       Pagalungan         17       Paglat         18       Parang         19       Shariff Aguak         20       South Upi         21       Sultan Kudarat         22       Sultan Astura         23       Sultan Sa Barongis         24       Talayan	Level III 0 0 8,620 0 0 8,951 0 0 0 0 0 0 0 0 0 0 0 0 0	Level II 2,312 1,410 2,774 0 1,503 1,070 0 0 0 1,070 0 0 1,391 0 1,843 0 0 1,843 0 0 1,843 0 0 1,605 0 0 0 0 0 0 0 0 0 0 0 0 0	y Level 1 1,067 0 3,807 0 1,193 427 0 0 0 4,641 0 1,915 1,250 5,058 0 4,021 0 21,547 68 18,398 1,130 0 0 0 3,592	HH Flush 0 0 1,798 1,984 0 370 0 0 0 0 0 0 0 0 0 0 0 0 0	HH Pour Flush 151 204 0 95 81 0 0 0 260 0 155 17 78 0 0 155 17 78 0 61 0 71 0 94 0 0 279 152	tation Public School 398 398 0 0 398 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Public Utilities 502 502 502 502 502 0 0 502 502 502 502	2015) Requ Level III 25.225 0 26.556 8.507 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	irement Water Sup Level II 10,121 547 0 0 5,810 535 0 986 880 3,174 0 986 880 3,174 0 0 1,546 3,306 0 0 0 0 0 0 1,232 0 0 0 0 1,232 0 0 771 1,313 0 0 842	Ru ply Level 1 53,015 44,599 84,913 29,587 144,567 37,135 44,207 41,717 16,025 29,985 54,570 45,895 23,451 21,058 57,072 56,220 11,604 125,054 29,337 117,898 111,022 27,853 55,170 47,798	ral Area HH Flush 963 0 0 0 0 4.575 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Sanit HH Pour Flush 675 442 904 751 1,471 672 148 210 544 1,077 632 781 416 525 1,246 1,454 186 408 784 784 722 2,446 910 2,220 799	ation Public School 476 355 1,301 17 2,082 445 265 265 265 265 265 0 591 650 860 199 948 1,114 1,028 0 0 835 298 229 1,485 440 561 573	Public Utilities 0 0 0 0 0 0 0 0 0 0 0 0 0 541 0 0 541 0 0 541 0 0 541 0 0 0 541 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	
1       Ampatuan         2       Barira         3       Buldon         4       Buluan         5       Datu Odin Sinsuat         6       Datu Paglas         7       Datu Paglas         7       Datu Paglas         7       Datu Paglas         9       Datu Unsay         10       Gen. S. K. Pendatun         11       Guindulungan         12       Kabuntalan         13       Mamasapano         14       Matanog         15       Pagagawan         16       Pagalungan         17       Paglat         18       Parang         19       Shariff Aguak         20       South Upi         21       Sultan Kudarat         22       Sultan Mastura	Level III 0 0 8,620 0 0 8,951 0 0 0 0 0 0 0 0 0 0 0 0 0	Level II 2,312 1,410 2,774 0 1,503 1,070 0 0 0 1,391 0 1,843 0 1,843 0 0 1,843 0 0 1,843 0 0 0 1,00 0 0 1,605 0 0 0 0 0 0 0 0 0 0 0 0 0	y Level 1 1,067 0 3,807 0 1,193 427 0 0 427 0 0 427 0 0 4,641 0 1,915 1,250 5,058 0 4,021 0 21,547 68 18,398 1,130 0	HH Flush 0 0 1,798 1,984 0 370 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	HH Pour Flush 151 204 0 95 31 0 0 0 260 0 260 0 155 17 78 0 61 61 0 71 0 94 0 0	tation Public School 398 398 0 398 0 398 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Public Utilities 502 502 502 502 502 0 0 502 0 502 502 5	2015) Requ Level III 25,225 0 26,556 8,507 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	irement Water Sup Level II 10,121 547 0 0 5,810 535 0 986 880 3,174 0 1,546 3,306 0 0 0 0 0 0 0 0 1,232 0 0 771 1,313	Ru ply Level 1 53,015 44,599 84,913 29,587 144,567 37,135 44,207 41,717 16,025 29,985 54,570 45,895 23,451 21,058 57,072 56,220 11,604 125,054 29,337 117,898 111,022 27,853	ral Area HH Flush 963 0 0 0 0 4,575 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Sanit HH Pour Flusb 675 442 904 751 1,471 672 143 210 544 1,077 632 781 416 525 1,246 1,454 186 408 784 784 722 2,446 910	ation Public School 476 355 1,301 17 2,082 445 265 265 265 265 265 265 265 265 265 26	Public Urilities 0 0 0 0 0 0 0 0 0 0 0 541 0 0 541 0 0 541 0 0 541 0 0 0 541	
1       Ampatuan         2       Barira         3       Buldon         4       Buluan         5       Datu Odin Sinsuat         6       Datu Paglas         7       Datu Paglas         7       Datu Saudi         9       Datu Unsay         10       Gen. S. K. Pendatun         11       Guindulungan         12       Kabuntalan         13       Mamasapano         14       Matanog         15       Pagagawan         16       Pagalungan         17       Paglat         18       Parang         19       Shariff Aguak         20       South Upi         21       Sultan Kudarat         22       Sultan Astura         23       Sultan Sa Barongis         24       Talayan	Level III 0 0 8,620 0 0 8,951 0 0 0 0 0 0 0 0 0 0 0 0 0	Level II 2,312 1,410 2,774 0 1,503 1,070 0 0 0 1,070 0 0 1,391 0 1,843 0 0 1,843 0 0 1,843 0 0 1,605 0 0 0 0 0 0 0 0 0 0 0 0 0	y Level 1 1,067 0 3,807 0 1,193 427 0 0 0 4,641 0 1,915 1,250 5,058 0 4,021 0 21,547 68 18,398 1,130 0 0 0 3,592	HH Flush 0 0 1,798 1,984 0 370 0 0 0 0 0 0 0 0 0 0 0 0 0	HH Pour Flush 151 204 0 95 81 0 0 0 260 0 155 17 78 0 0 155 17 78 0 61 0 71 0 94 0 0 279 152	tation Public School 398 398 0 0 398 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Public Utilities 502 502 502 502 502 0 0 502 502 502 502	2015) Requ Level III 25.225 0 26.556 8.507 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	irement Water Sup Level II 10,121 547 0 0 5,810 535 0 986 880 3,174 0 986 880 3,174 0 0 1,546 3,306 0 0 0 0 0 0 1,232 0 0 0 0 1,232 0 0 771 1,313 0 0 842	Ru ply Level 1 53,015 44,599 84,913 29,587 144,567 37,135 44,207 41,717 16,025 29,985 54,570 45,895 23,451 21,058 57,072 56,220 11,604 125,054 29,337 117,898 111,022 27,853 55,170 47,798	ral Area HH Flush 963 0 0 0 0 4.575 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Sanit HH Pour Flush 675 442 904 751 1,471 672 148 210 544 1,077 632 781 416 525 1,246 1,454 186 408 784 784 722 2,446 910 2,220 799	ation Public School 476 355 1,301 17 2,082 445 265 265 265 265 265 0 591 650 860 199 948 1,114 1,028 0 0 835 298 229 1,485 440 561 573	Public Utilities 0 0 0 0 0 0 0 0 0 0 0 0 0 541 0 0 541 0 0 541 0 0 541 0 0 0 541 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	
1       Ampatuan         2       Barira         3       Buldon         4       Buluan         5       Datu Odin Sinsuat         6       Datu Paglas         7       Datu Paglas         7       Datu Saudi         9       Datu Unsay         10       Gen. S. K. Pendatum         11       Guindulungan         12       Kabuntalan         13       Mamasapano         14       Matanog         15       Pagagawan         16       Pagalungan         17       Paglat         18       Parang         19       Shariff Aguak         20       South Upi         21       Sultan Kudarat         23       Sultan Sa Barongis         24       Talayan         25       Talitay	Level III 0 0 8,620 0 0 8,951 0 0 0 0 0 0 0 0 0 0 0 0 0	Level II 2,312 1,410 2,774 0 1,503 1,070 0 0 0 1,391 0 1,843 0 0 1,843 0 0 1,843 0 0 1,843 0 0 1,609 0 0 1,069 0 0 0 1,069 0 0 1,069 0 0 1,069 0 0 1,069 0 0 1,069 0 0 1,069 0 0 0 0 0 0 0 0 0 0 0 0 0	y Level 1 1,067 0 3,807 0 1,193 427 0 0 0 427 0 0 427 0 0 427 0 0 427 0 0 427 0 0 4,641 0 1,915 1,250 5,058 0 4,021 0 21,547 68 18,398 1,130 0 0 0 3,592 0	HH Flush 0 0 1,798 1,984 0 370 0 0 0 0 0 0 0 0 0 0 0 0 0	HH Pour Flush 151 152 204 0 95 81 0 0 0 260 0 0 260 0 0 155 17 78 0 61 61 0 94 0 94 0 0 279 152 0	tation Public School 398 398 0 0 398 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Public Utilities 502 502 502 502 502 0 0 502 502 502 502	2015) Requ Level III 25.225 0 26.556 8.507 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	irement Water Sup Level II 10,121 547 0 0 5,810 535 0 986 880 3,174 0 986 880 3,174 0 1,546 3,306 0 0 0 1,232 0 0 771 1,313 0 0 842 0 0	Ru ply Level 1 53,015 44,599 84,913 29,587 144,567 37,135 44,207 41,717 16,025 29,985 54,570 45,895 23,451 21,058 57,072 56,220 11,604 125,054 29,337 117,898 111,022 27,853 55,170 47,798 59,569	ral Area HH Flush 963 0 0 0 0 4.575 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Sanit HH Pour Flusb 675 442 904 751 1,471 672 148 210 544 1,077 632 781 416 525 1,246 1,454 1,86 408 784 784 784 722 2,446 910 2,220 799 910	ation Public School 476 355 1,301 17 2,082 445 265 265 265 0 591 650 860 199 948 1,114 1,028 0 835 298 229 1,485 440 561 573 1,337	Public Utilities 0 0 0 0 0 0 0 0 0 0 0 0 541 0 0 541 0 0 541 0 0 0 541 0 0 0 541 0 0 0 541 0 0 541	

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

Comprehensive Basic Survey of the Autonomous Region in Muslim Mindanao Water Supply and Sanitation Sector: Province of Maguindanao

# 1

#### CHAPTER NINE

Summarized Construction Cost of Required Facilities (Px1,000)

Table 9-4

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# Cost Estimates for Future Sector Development

			Phase I (	Phase I (2005-2010) Requirement	Requirem	ent .				Phase II (2	Phase II (2005-2010) Requirement	Requirem	ent	
Miniainality	ſ	Urban Area	a	1	Rural Area			D	Urban Area	E .	R	Rural Area	a	
итилистранцу	Water	Sanita-	Sub-total	Water	Sanita-	Sub-total	Total	Water	Sanita-	Sub-total	Water	Sanita-	Sub-total	Total
	fiddme			Aiddine	11011			Andre	IIII		Arddine	поп		
1 Ampatuan	7,704	1,087	8,791	72,575	2,305	74,879	83,671	3,379	1,050	4,429	88,361	2,114	90,475	94,904
2 Barira	6,627	976	7,603	44,941	9,023	53,965	61,568	1,410	1,052	2,462	45,146	767	45,942	48,404
3 Buldon	6,528	945	7,474	83,957	2,737	86,694	94,168	6,580	1,104	7,684	111,468	2,205	113,673	121,357
4 Buluan	35,135	1,302	36,437	64,786	5,860	70,646	107,082	8,620	2,300	10,919	38,094	768	38,862	49,781
5 Datu Odin Sinsuat	21,261	3,166	24,427	206,528	10,631	217,159	241,587	2,695	2,978	5,673	150,377	8,128	158,505	164,178
6 Datu Paglas	3,315	941	4,256	37,963	1,551	39,514	43,770	1,498	980	2,478	37,669	1,117	38,786	41,265
7 Datu Piang	29,671	1,731	31,403	43,857	263	44,120	75,522	8,951	872	9,823	44,207	413	44,619	54,442
8 Datu Saudi	0	0	0	45,079	1,445	46,524	46,524	0	0	0	42,704	1,015	43,719	43,719
9 Datu Unsay	0	0	0	19,325	1,007	20,332	20,332	0,	0	0	16,905	1,085	17,990	066,71
10 Gen. S. K. Pendatun	8,886	1,076	9,962	39,071	1,465	40,537	50,498	6,032	762	6,794	33,159	1,669	34,828	41,622
11 Guindulungan	0	0	0	47,893	3,244	51,137	51,137	0	0	0	54,570	1,823	56,393	56,393 -
12 Kabuntalan	6,111	2,180	8,291	43,069	3,614	46,683	54,974	3,757	1,054	4,812	45,895	1,641	47,536	52,348
13 Mamasapano	1,242	907	2,148	29,114	1,023	30,137	32,285	1,250	519	1,769	24,998	615	25,613	27,381
14 Matanog	0	937	937	22,260	5,379	27,639	28,576	5,058	579	5,638	24,365	1,473	25,838	31,475
15 Pagagawan	0	0	0	78,755	4,010	82,765	82,765	0	0	0	72,894	4,318	77,213	77,213
16 Pagalungan	25,540	3,822	29,362	51,438	2,945	54,383	83,745	13,569	3,151	16,720	56,220	2,483	58,703	75,423
17 Paglat	0	0	0	11,193	1,060	12,253	12,253	0	0	0	11,604	727	12,331	12,331
18 Parang	109,543	4,661	114,204	137,643	2,399	140,042	254,247	35,128	3,768	38,897	125,054	2,131	127,186	166,082
19 Shariff Aguak	10	2,674	2,684	53,684	3,960	57,644	60,328	7,819	3,037	10,857	36,658	4,179	40,836	51,693
20 South Upi	38,734	2,352	41,087	124,651	1,253	125,904	166,991	26,785	2,443	29,228	117,898	950	118,848	148,076
21 Sultan Kudarat	759	2,121	2,880	99,108	10,728	109,836	112,716	1,130	3,527	4,657	116,966	16,217	133,184	137,841
22 Sultan Mastura	0	0	0	30,356	1,851	32,208	32,208	0	0	0	29,166	1,890	31,056	31,056
23 Sultan Sa Barongis	6,747	1,964	8,710	53,644	3,645	57,289	66,000	2,289	781	3,070	55,170	2,781	57,950	61,020
24 Talayan	6,008	988	6,997	43,704	1,827	45,531	52,528	5,239	654	5,893	48,640	1,371	50,011	55,905
25 Talitay	0	0	0	52,479	7,694	60,173	60,173	0	0	0	59,569	2,788	62,357	62,357
26 Upi	20,685	963	21,648	78,205	3,481	81,686	103,334	6,095	2,021	8,116	79,693	2,615	82,309	90,425
Provincial Total	334,506	34,795	369,301	1,615,278	94,400	1,709,678	2,078,980	147,286	32,631	179,918	1,567,450	67,313	1,634,763	1,814,681
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Comprehensive Basic Survey of the Autonomous Region in Muslim Mindanao Water Supply and Sanitation Sector: Province of Maguindanao

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
Total Equipment Cost				519,280

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

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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.

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

 Table 10-1
 Technical Criteria for Project/Area Prioritization

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

Table 10-2	Socio-economic (	Criteria for	Project/Area	Prioritization
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PARAMETERS	INDICATORS	CRITERIA	POINTS
Capacity to Pay	Average Income,	Ratio of Income to	3%: 5.0;
	Average Water	Water Rate (3% or	>3%: 1.0
	Rate	less)	
Peace and Order	Crime Rate	With Low Rate in	10/1000 population: 5.0
Situation		the area	>10/1000 population: 1.0
Health	Water-Borne	With highest rates	10/1000 population: 5.0
	Diseases Morbidity		>10/1000 population: 1.0
	and Mortality Rates		
Access by the Poor	Number/percentage	Highest percentage	Ave. HH Income=< Poverty
	of poor in the area,	of poor in the area	Level Income: 5.0;
	Poverty Incidence,		
	Average Household		Ave. HH Income > Poverty
	Monthly Income		Level Income: 1.0
Served vs. Unserved	Percentage of	With highest % of	=>50% unserved: 5.0
Population	Unserved	unserved in the area	
	population in the		<50% unserved: 1.0
ļ	area		j

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

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Table 10-3	Institutional/Financial Criteria for Project/Area Prioritization
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PARAMETERS	INDICATORS	CRITERIA	POINTS
Willingness to Pay	Collection	Highest Collection	80%: 5.0
	Efficiency (%)	Efficiency	<80%: 1.0
Willingness to	Number of	With 2 or more	=>2: 5.0
Organize	Functioning	functioning	<2.0:1.0
	Community	organizations	
	Organizations		
Willingness to Learn	Level of	Population has	=>60% of population are
and to O&M	Educational	Mostly College	college graduates: 5.0;
Facilities	Attainment and	Graduates	
	Training of		<60%: 1.0
	Population		

*Note: Point System: High Priority = 5:0, Low Priority = 1.0* 

Comprehensive Basic Survey of the Autonomous Region in Muslim Mindanao Water Supply and Sanitation Sector: Province of Maguindanao ()

**APPENDICES** 

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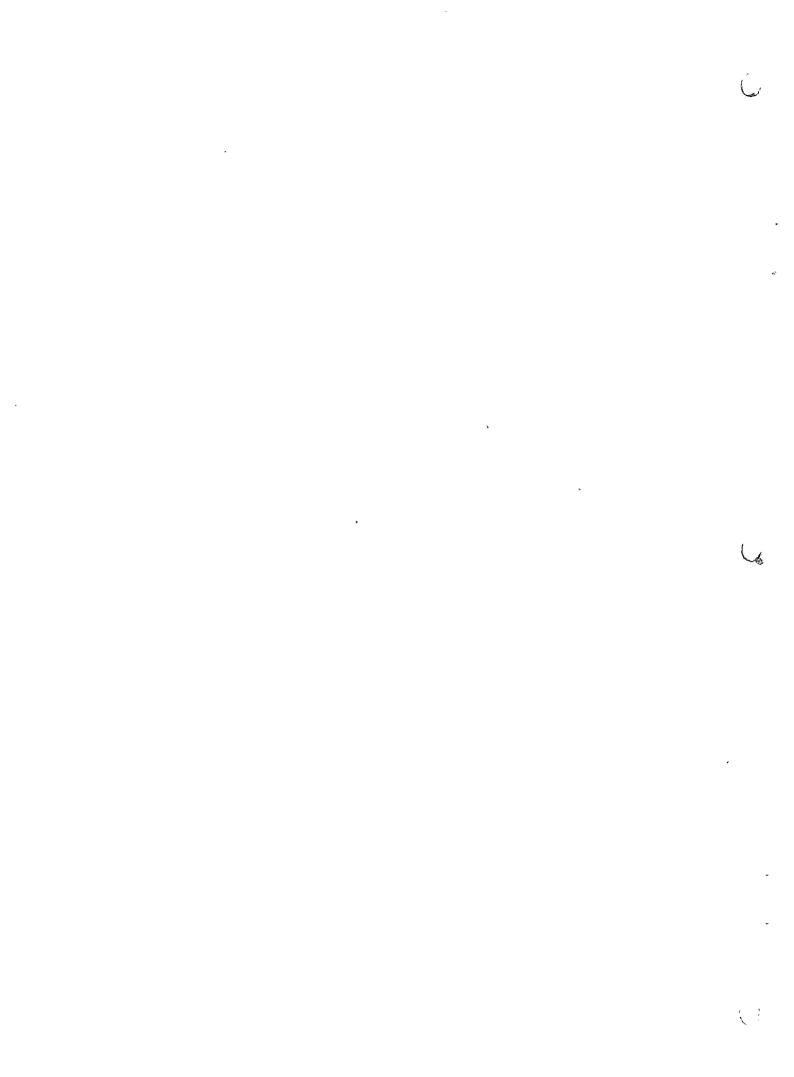
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#### APPENDIX 5-1 BUDGET OPERATIONS STATEMENT - MAGUINDANAO INCOME & EXPENDITURES

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	1999	2000	2001
INCOME			······
LOCAL SOURCES	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
NON-TAX REVENUES	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
AIDS AND ALLOTMENTS	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	
TOTAL INCOME	299,889,326	363,039,577	363,039,576
EXPENDITURES		AN,	
CURRENT EXPENDITURES	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
CAPITAL OUTLAY	493,602	821,229	144,081,228
TOTAL EXPENDITURES	299,053,618	360,902,470	360,902,470
EXCESS (DEFICIT) OF INCOME	835,708	2,137,107	2,137,106
OVER EXPENDITURES			

Source : BOS Databank - Bureau of Local Government Finance

								M	MAGUINDANAO
LGU Name:		Ampatuan .	A		Barira			Buldon	
	1999	2000	2001	1999	2000	2001	1999	2000	2001
INCOME									
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	00.0	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	00.0	0.00	0.00	0.00
Fccs/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	00.0	0.00	0.00	0.00	00:0	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
TOTAL INCOME	25,329,177.61	31,833,427.35	29,061,663.08	14,625,400.47	20,667,386.18	16,959,178.57	23,449,475.02	28,265,534.94	28,265,534.94
EXPENDITURES	1					**			
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	00.0	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
TOTAL EXPENDITURES	25,700,843.95	31,425,245.78	30,625,387.36	14,190,929.50	20,294,220.72	17,046,151.10	23,474,558.62	28,217,460.38	28,217,460.38
Excess (Deficit) of Income	-371,666.34	408,181.57	-1.563.724.28	434.470.97	373,165.46	55 CT0 38_	-25 A82 60	73 120 01	40.074.57
Over Expenditures							0000	0	0.1-10'0F
Source : SIE Databank - Bureau of Local Government Finance	nmeut Finance		-						3 8 9

Comprehensive Basic Survey of the Autonomous Region in Muslim Mindanao Water Supply and Sanitation Sector: Province of Maguindanao ()

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BUDGET OPERATIONS STATEMENT

LGU Name:		Buluan		Dat	Datu Odin Sinsuat (Dinuig)	-	:	Datu Paglas	
	1999	2000	2001	1999	2000	2001	1999	2000	2001
INCOME									
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
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
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
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
Other Taxes	0.00	00.0	60,097.57	0.00	0.00	188,650.38	00.0		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
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
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
Loans & Borrowings	0.00	0.00	0.00	0.00	0.00	60,505.00	00.0		0.00
Other Receipts	0.00	0.00	0.00	00.00	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
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
National Aids	0.00	0:00	0.00	4,461,715.38	1,797,471.40	0.00	0.00		0.00
National Wealth	00.0	0.00	0.00	232,455.16	0.00	1,797,471.40	0.00		0.00
TOTAL INCOME	26,529,899.69	33,563,583.12	33,563,583.12	40,076,346.07	42,634,008.16	42,614,008.16	11,092,871.00		11,092,871.00
EXPENDITURES								1	
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		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
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
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
Operation of Eco. Enterprise	0:00	0.00	0.00	00.0	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		0.00
Capital Outlay	340,500.00	66,000.00	9,575,604.40	1,048,000.00	0.00	12,536,038.50	00.00		2,686,125.00
TOTAL EXPENDITURES	26,515,602.11	33,562,936.62	33,562,936.62	40,052,786.46	44,695,301.41	44,695,301.41	11,422,445.00		11,422,445.00
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	The second	-329,574.00
Over Expenditures									

#### Comprehensive Basic Survey of the Autonomous Region in Muslim Mindanao Water Supply and Sanitation Sector: Province of Maguindanao

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	-	9			Cien. S.K. Pendatuan			Kabuntalan (Tumbao)	
	6661	2000	2001	6661	2000	2001	1000	0000	
INCOME				1				0007	7001
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	500 805 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	1 174 074 52	51 851 42	\$1.001.42
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	21.120,12	21.001.20
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	21.001/02	00.013.5
Other Taxes	0.00	0.00	15,922.00	0.00	0.00	0.00	0.00	0.00	01.01010
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
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
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	000101
Loans & Вопоwings	0.00	0.00	0.00	00.0	0.00	2,490.00	0.00	0.00	000
Other Receipts	0.00	0.00	0.00	0.00	0.00	0.00	0.00	466.774.00	466.774.00
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	00 727 100 81
t (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
National Aids	0.00	875,588.00	875,588.00	0.00	00.0	229,057.48	0.0	000	
National Wealth	0.00	0.00	0.00	0.00	229,057.48	0.00	0.0	000	
TOTAL INCOME	33,906,842.38	37,162,193.93	37,162,193.93	17,850,310.66	21,684,084.77	21,684,084.77	16,920,114.52	19,422,579.43	19,422,579.43
SABUNTTIBES									
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	13,980,289.90
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	13,052,820.90
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
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
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
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	0.00
Capital Outlay	0.00	0.00	9,621,522.00	0.00	0.00	6,204,986.00	0.00	00.0	ET 120 CCT 2
TOTAL EXPENDITURES	34,025,462.72	37,003,403.04	37,003,403.24	17,880,892.56	21,561,868.72	21,561,868.72	17,093,375.02	19,224,341.63	19,702,341.63
E(D6.10 - 61									
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	-279,762.20
Over Expenditures									

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MAGUINDANAO 297,663.69 120,780.00 35,378.69 12,770.00 0.00 0.0 0.00 -11,374,582.92 0.00 11,493,000.00 52,711.55 8,302.25 128,735.00 46,690,690.45 45,550,690.45 1,140,000.00 47,041,065.69 27,449,156.38 13,696.06 0.0 19,473,492.23 58,415,648.61 150, 375.24 30,713.24 46,922,648.61 2001 258,524.73 0.00 0.00 0.00 0.00 0.00 51,517,118.73 276,968.91 388,150.13 111,858.00 0.00 213,412.48 45,112.25 0.00 51,794,087.64 51,517,118.73 22,377,700.23 4,419,917.80 2,471,741.21 355,345.00 21,892,414.49 29,625.40 17,767.40 51,405,937.51 51,405,937.51 Pagalungan 2000 32,050.62 279,569.65 53,534.84 0.00 0.00 0.00 0.00 2,049,116.94 1,432,258.84 365,155.11 0.00 41,023,151.82 956,687.00 12,344,993.93 40,877,735.09 26,077,094.40 2,611,630.75 35,000.00 40,912,735.09 311,620.27 0.00 53,534.84 41,979,838.82 139,893.00 999 30,150.00 1,410.00 16,350,152.58 0.00 18,317.99 31,560.00 0.00 0.00 10,948,715.15 0.00 16,976,224.59 702.00 6,934.96 0.00 0.00 16,282,637.63 16,212,209.00 70,428.63 11,612,118.99 0.0 663,403.84 5,364,105.60 -626,072.01 67,514.95 35,954.95 2001 0.00 16,282,637.63 35,954,98 17,636.96 0.00 0.00 0.00 0.00 0.00 67,514.98 18,318.02 31,560.00 0.00 16,947,874.59 5,364,105.60 16,976,224.59 626,071.98 31,560.00 16,212,209.00 70,428.63 16,350,152.61 10,528,413.07 391,952.08 563,403.84 28,350.00 Matanog 2000 0.00 10,692,765.00 2,865.00 306,132.00 19,983.00 0.00 22,115.00 0.00 0.00 0.00 0.00 11,021,012.00 0,693,358.00 7,393,569.00 0.00 513,943.00 0.00 2,785,846.00 0.00 0,693,358.00 327,654.00 10,692,765.00 328,247.00 286,149.00 19,250.00 6661 ł. 2001 24,855.00 0.00 1,500.00 3,496.62 0.00 0.00 ,298,426.86 36,109.96 ,262,316.90 23,355.00 0.00 13,891,269.00 13,891,269.00 0.00 0.00 15,214,550.86 15,162,024.03 9,656,353.70 1,436,709.81 0.00 4,065,463.90 0.00 15,162,024.03 52,526.83 323,281.86 Mumasaparo 2000 ----58,165.02 30,340.00 0.00 11,642,271.00 0.00 0.00 0.00 0.00 1,799,413.57 48,647.56 21,705.48 28,624.51 0.00 0.00 11,642,271.00 0,657,492.54 6,391,410.08 319,722.07 3,941,700.00 1,141,921.03 08,495.01 50,329.99 27,825.02 4,660.39 11,750,766.01 666 TOTAL EXPENDITURES Receipts from Eco. Enterprise Public Welfare & Internal Safety **Operation of Eco. Enterprise** TOTAL INCOME Excess (Deficit) of Income Economic Development Revenue from Taxation Loans & Borrowings **Over Expenditures** LGU Name: Real Property Tax BIR Allotment (IRA) General Government Non-Tax Revenues Current Expenditures Other Receipts Aids and Allotments National Wealth Fees/Charges Business Tax Other Taxes National Aids Other Charges EXPENDITURES Capital Outlay Local Sources Grants NCOME

Source : SIE Databank - Bureau of Local Government Finance

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1999         2000           INCOME         3,838,184.89         2000           Incal Sources         3,838,184.89         13,022,383.75           Local Sources         3,838,184.89         13,022,383.75           Revenue from Taxation         2,289,900.64         977,842.06           Real Property Tax         996,539.93         213,101.44           Business Tax         1,293,360.71         714,740.62           Other Taxes         0.00         0.00         0.00           Non-Tax Revenues         1,5548,284.25         12,094,541.69           Receipts from Eco. Enterprise         1,056,121.05         1,442,104.95           Resc/Charges         492,163.20         1,442,104.95           Resc/Charges         1,056,121.05         1,442,104.95           Resc/Charges         1,056,121.05         1,442,104.95           Aids and Allotments         37,936,955.00         42,437,113.07           National	2000 13,022,383,75 927,842,06 213,101,44 714,740,62 0,00 0,00 1,470,438,00 1,472,104,95 8,043,700,00	2001 4,078,683.75 927,842.06	1999	2000	2001	1000	2000	2001
ources         3,838,184,89           nue from Taxation         2,289,900.64           all Property Tax         996,539,93           all Property Tax         996,539,93           Lisitess Tax         1,293,360.71           Inter Taxes         0.00           Tax Revenues         1,548,284.25           Ceripts from Eco. Enterprise         1,056,121.05           ceripts from Eco. Enterprise         1,056,121.05           ceripts from Eco. Enterprise         0.00           far Receripts         0.00           for Receripts         37,936,955.00           mal Aids         0.00           mal Vealth         0.00           mal Wealth         0.00           Mal Wealth         0.00	22,383.75 27,842.06 3,101.44 4,740.62 0.00 0,438.00 0,438.00 12,104.95	4,078,683.75 927,842.06						
3,838,184,89 3,838,184,89 2,289,900,64 996,539,93 1,293,360.71 1,293,360.71 1,293,360.71 1,293,360.71 1,548,284,25 1,056,121,05 492,163,20 0,00 37,936,955,00 37,936,955,00 37,936,955,00 0,00	22,383.75 77,842.06 13,101.44 (4,740.62 0.00 0.00 0,438.00 0,438.00 12,104.95	4,078,683.75 927,842.06	-				>>>	1007
2,289,900.64 996,539.93 1,293,360.71 1,293,360.71 1,548,284.25 1,548,284.25 1,554,121.05 1,554,121.05 1,548,284.25 1,056,121.05 1,056,121,05 1,056,120,050,050,05 1,056,120,050,05 1,056,120,050,050,050,050,050,050,050,050,050,0	77,842.06 [3,101.44 [4,740.62 0.00 M,541.69 0,438.00 [2,104.95	927,842.06	1,371,055.47	994,667.64	1,012,137.64	1.883.175.00	1.767.180.34	11 55 515
996,539,93       1,293,360.71       1,293,360.71       1,293,360.71       0.00       1,548,284.25       1,548,284.25       1,548,284.25       0.00       37,936,121.05       37,936,955.00       37,936,955.00       37,936,955.00       0.00       0.000	13,101.44 4,740.62 0.00 0,438.00 0,438.00 12,104.95		617,086.13	169,459.46	169,459.46	368,780.37	87.647.41	90.00578
1,293,360.71       0.00       1,548,284.25       1,548,284.25       1,56,121.05       1,056,121.05       90,00       37,936,955.00       37,936,955.00       37,936,955.00       0.00       0.00       0.00       0.00	4,740.62 0.00 4,541.69 0,438.00 2,104.95	213,101.44	369,529.56	81,979.57	81,979.57	293,151.14	18.295.81	1.366.16
0.00 1,548,284.25 1,548,284.25 1,554,121.05 492,163.20 0.00 37,936,955.00 37,936,955.00 0.00 0.00	0.00 44,541.69 0,438.00 22,104.95	464,023.33	247,556.57	87,479.89	68,269.36	75,629.23	69.351.60	45.610
1,548,284.25       interprise     1,056,121.05       492,163.20       0.00       37,936,955.00       37,936,955.00       37,936,955.00       0.00	14,541.69 0,438.00 12,104.95	250,717,29	0.00	00.0	19,210.53	0.00	0.00	43.003.52
Interprise 1,056,121.05 (163.20 (113.20 (163.2	0,438.00 12,104.95 13,700.00	3,150,841.69	753,969.34	825,208.18	842,678.18	1,514,394.63	1,679,532.93	427.547.33
492,163.20 0.00 37,936,955.00 37,936,955.00 37,936,955.00 0.00	12,104.95 13 700 00	1,470,438.00	297,860.34	799,639.18	799,639.18	1,439,089.42	206,026.70	361.091.00
0.00 37,936,955.00 37,936,955.00 37,936,955.00 0.00 0.00	1 700.00	1,442,104.95	30,276.00	25,569.00	24,228.00	70,464.84	7,585.00	60,105.33
0.00 37,936,955.00 37,936,955.00 0.00 0.00	00.001.00	0.00	00'0	0.00	1,341.00	0.00	0.00	6.351.00
37,936,955.00 37,936,955.00 0.00 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
37,936,955.00 0.00 0.00	7,113.07	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
	7,113.07	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
	0.00	00.0	0.00	1,487,030.01	1,487,030.01	0.00	0.00	0.00
	0.00	0.00	0.00	0.00	0.00	00.0	0.00	0.0
	0.00	8,943,700.00	0.00	0.00	0.00	0.00	0.00	00.0
TOTAL INCOME 41,775,139.89 55,459,	55,459,496.82	55,459,496.75	26,204,659.90	30,034,285.65	30,051,755.65	18,054,147.00	20,789,244.34	19,568,208.35
EXPENDITURES								
Current Expenditures 40.825.147.60 44.330.3	44.330.305.00	32 949 101 20	10 220 022 01	76 550 117 02	03 EVI ((1 E0			
nt 20164.027.20	73 508 803 00	04:101(01/100	10,000,200,000	00'11'600'07	80.100,100,12	18,146,138.33	19,821,828.11	15,590,320.89
amal Cafatti 050 016 15	00.200,0	00.800,226,02	8,633,159.96	7,246,462.57	11,708,381.79	10,704,089.18	10,805,740.85	11,145,464.59
	07.001,48,1	0.00	19,600.00	19,600.00	0.00	480,700.00	108,000.00	0.00
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
co. Enterprise 4,132,989.96	3,025,599.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
jes 11,977,391.00		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
850,000.00	1	11,972,003.84	1,199,082.20	20,000.00	8,513,369,30	0.00	908,851.00	4,854,633.08
TOTAL EXPENDITURES 41,675,147.60 44,921,1	44,921,105.00	44,921,105.04	26,751,148.11	25,579,117.06	30,021,036.88	18,146,138.55	20,730,679.11	20,444,953.97
come 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				-				1

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BUDGET OPERATIONS STATEMENT

MAGUINDANAO 16,830.00 126,947.26 5,216.00 23,499.00 20,560.00 3,730.00 0.00 0.00 23,201,946.00 06,387.26 19,584,694.70 0.00 77,672.26 0.00 0.00 3,617,251.30 23,328,893.26 17,421,084.35 15,773,101.95 00.0 ,647,982.40 0.00 6,448,465.60 23,869,549.95 -540,656.69 2001 0.00 0.00 0.00 0.00 107,880.19 20,907,913.00 37,455.29 277,122.67 185,852.67 77,972.48 91,270.00 54,570.00 36,700.00 20,945,368.29 0.00 21,522,924.50 21,222,490.96 0.00 13,100,641.65 6,440,390.50 787,704.62 22,310,629.12 -1,088,138.16 481,242.36 500,649,99 Talayan 2000 48,387.44 82,000.00 523,379.96 21,430.00 0.00 626,809.96 474,992.52 0.00 103,430.00 0.00 174,079.49 0.00 24,571,308.49 23,840,316.00 556,913.00 25,198,118.45 23,406,233.21 13,470,241.85 0.0 200,000.00 2,162,352.35 2,300,000.00 508,114.76 7,573,639.01 25,706,233.21 6661 25,641.00 20,371.00 5,270.00 9,026.80 0.00 0.00 0.00 97,030.62 0.00 895,954.42 870,313.42 24,997,480.00 0.00 64,256.00 24,997,480.00 25,893,434.42 18,563,535.84 17,501,155.07 0.00 0.00 1,062,380.77 0.00 7,200,130.00 129,768.58 25,763,665.84 2001 Sultan Sa Barongis (Lambayong) 97,030.62 20,371.00 5,270.00 0.00 855,954.42 830,313.42 133,282.80 0.00 25,641.00 0.00 0.00 24,997,480.00 24,997,480.00 0.00 0.00 25,263,665.84 0.00 25,853,434.42 16,148,454.51 1,062,380.77 852,700.56 7,200,130.00 500,000.00 89,768.58 25,763,665.84 2000 67,219.10 271,101.02 9,110.00 0.00 0.00 0.00 233,042.02 65,822.92 0.00 38,059.00 22,102,314.00 22,102,314.00 0.00 28,949.00 0.00 22,373,415.02 22,225,196.60 14,234,250.76 824,115.69 0.00 6,533,735.00 0.00 148,218.42 633,095.15 22,225,196.60 9999 0.00 10,575,346.98 0.00 4,623,287.09 2,683,659.52 1,279,494.30 199,050.31 1,939,627.57 597,722.94 226,709.95 1,115,194.68 50,735,638.00 0.00 0.00 1,205,114,91 50,735,638.00 55,358,925.09 51,489,395.78 23,483,578.56 57,004,795.78 17,313,473.21 5,515,400.00 -1,645,870.69 116,997.03 2001 Sultan Kudarat (Nuling) 0.00 4,562,024.87 1,774,505.72 534,093.98 ,240,411.74 0.00 2,787,519.15 1,265,836.80 1,219,788.15 0.00 0.00 0.00 58,696,764.88 301,894.20 54,134,740.01 54,134,740.01 40,547,368.70 45,350.00 500,273.57 10,717,518.00 50,830,095.57 15,650,739.71 3,633,487,42 10,282,726.87 7,866,669.31 2000 0.00 539,227.38 ,082,914.95 ,810,800.70 291,334.89 2,272,114.25 448,826.40 0.00 0.00 519,465.81 0.00 1,284,060.47 43,970,714.33 43,970,714.33 0.00 48,053,629.28 47,520,819.98 13,445,002.76 893,273.52 5,014,466.27 13,366,827.42 730,499.30 18,251,319.28 -197,690.00 14,801,250.01 6661 Source : SIE Dutubank - Bureau of Local Government Finance Receipts from Eco. Enterprise Public Welfare & Internal Safety TOTAL EXPENDITURES TOTAL INCOME Operation of Eco. Enterprise Excess (Deficit) of Income Economic Development Revenue from Taxation Loans & Borrowings LGU Name: Real Property Tax BIR Allotment (IRA) **Over Expenditures** General Government Non-Tax Revenues Current Expenditures Business Tax Other Receipts Aids and Allotments Fees/Charges National Wealth Other Taxes National Aids EXPENDITURES Other Charges Local Sources Capital Outlay Grants NCOME

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INCOME								• •
INCOME	6661	2000	2001	1999	2000	2001		
					a sur a s			
Local Sources		620,865.99	927,567.39	1,742,985.00	• • • •	1,742,985.00		
Revenue from Taxation		618,505.99	923,417.39	639,223.00		639,223.00	· · · · · · · · · · · · · · · · · · ·	
Real Property Tax		689.99	7,013.75	444,101.00		444,101.00		
Business Tax		617,816.00	907,769.00	195,122.00		195,122.00		
Other Taxes		0.00	8,634.64	0.00		0.00	· At the majority is a state of a state of a state of the	
Non-Tax Revenues		2,360.00	4,150.00	1,103,762.00		1,103,762.00		
Receipts from Eco. Enterprise		0.00	0.00	361,200.00		361,200.00		· · · · · · · · · · · · · · · · · · ·
Fees/Charges		2,360.00	2,680.00	140,751.00		140,751.00		
Loans & Borrowings		0.00	70.00	0.00		0.00		
Other Receipts		0.00	1,400.00	601,811.00		601,811.00		
Aids and Allotments		12,384,444.00	11,705,186.00	24,454,035.00		24,454,035.00		
BIR Allotment (IRA)		12,384,444.00	11,705,186,00	24,454,035.00		24,454,035.00		
National Aids		-	W - manufacture and the state of the			F 3 2		
National Wealth								
TOTAL INCOME		13,005,309.99	12,632,753.39	26,197,020.00		26,197,020.00	a de la companya de	
EXPENDITURES						•		,
Current Evnenditures		72 110 263 61	00 000 017 11	77 073 740 00				
		0/110,000,41	07.760.000111	00.642,co0,02		19,810,193.00		
General Government		7,833,962.51	9,245,824.64	15,988,838.00		15,988,838.00		
Public Welfare & Internal Safety		337,686.00	0.00	551,749.00		551,749.00		
Economic Development		683,963.00	2,393,067.56	2,633,158.00		3,275,606.00		
Operation of Eco. Enterprise		0.00	0.00	642,448.00		0.00		
Other Charges		3,777,400.25	0.00	6,247,056.00		00.00		
Capital Outlay		101,848.50	1,324,274.08	70,000.00		6,317,056.00		
TOTAL EXPENDITURES		12,734,860.26	12,963,166.28	26,133,249.00		26,133,249.00		
Excess (Deficit) of Income		270,449.73	-330,412.89	63,771.00	1	63,771.00		
Over Expenditures				•••••				

Comprehensive Basic Survey of the Autonomous Region in Muslim Mindanao Water Supply and Sanitation Sector: Province of Maguindanao

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LOCATION (MUNICIPALITY, Barangay)	WELL NUMBER	DRILLING DEPTH (m)	ACTUAL CAPACITY (lps)	SPECIFIC CAPACITY (lps/m)	STATIC WATER LEVEL (mbgs)
NULING					
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	-	
PAGALUNGAN					
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

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LOCATION (MUNICIPALITY, Barangay)	WELL NUMBER	DRILLING DEPTH (m)	ACTUAL CAPACITY (lps)	SPECIFIC CAPACITY (lps/m)	STATIC WATER LEVEL (mbgs)
PARANG					
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			-
TUMBAO	**************************************				
1. Gayonga	NWSA 7268	29.57	1.26	0.84	1.50
UPI					
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			-
AMPATUAN					
1. Villamar	NWSA 196072	28.05		-	-
2. Esperanza	NWSA 196073	20.43	0.63	0.42	1.50
BULUAN					
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
DINAIG					
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.)

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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
COTABATO CITY					
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

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

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	Work Items	Quantity	Unit	Unit Cost	Cost
A	Mobilization/Demobilization				
B	Well Drilling and Geophysical Logging	1.0	LS	9,768.90	9,768.90
	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
	Sub-Total of (B)				17,953.90
C	Well Development/Disinfection				
	Well Development By Airlifting Method	12.0	hr	1,172.24	14,066.88
	Disinfection	1.0	LS	4,573.32	4,573.32
D	Sub-Total of (C) Furnishing and Installation of 50 mm Dia. Well				18,640.20
	Casings and Screens, Centralizers, Gravel				
	Packing, Cement Grout, Seal, Handpump and	E			
	Construction of Platform				
	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	рс	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
	Sand	7.0 0.5	bag m3	140.00 - 400.00	980.00 200.00
	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 l	45.00	22.50
	CHB	35.0	pc	7.50	262.50
	Sub-Total of Materials		-		6,294.67
	2. Labor (40% of Materials)				2,517.87
	3. Freight Cost (11% of Materials)				692.41
	Sub-Total of (D)				9,504.95
E F	Water Quality Analysis Indirect Cost	1.0	LS	1,300.00	1,300.00
<b>r</b>	Profit (10% of A to E)				571600
	Overhead Expense (13% of A to E)				5,716.80 7,431.83
	VAT (10% of Profit and Overhead Expenses)				1,314.86
	Sub-Total of (F)				14,463.49
	Total Construction Cost (A+B+C+D+E+F)				71,631.44
G	Estimated Government Expenses				12,002.111
	1. Preliminary and Detailed Engineering Cost				
	2. Construction Supervision				
	Sub-Total of (G)				0.00
	GRAND TOTAL				71,631.44
	SAY				72,000.00

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

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)

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	Work Items	Quantity	Unit	Unit Cost	Cost
A	Mobilization/Demobilization	1.0	LS	11,311.40	11,311.40
В	Well Drilling and Geophysical Logging 200-mm Dia. borehole by Rotary Method Geophysical Borehole Logging Sub-Total of (B)	20.0 1.0	m LS	1,214.90 7,231.00	24,298.00 7,231.00 <b>31,529.00</b>
С	Well Development/Disinfection Well Development By Airlifting Method Disinfection Sub-Total of (C)	12.0 1.0	hr LS	1,172.24 4,573.32	14,066.88 4,573.32 <b>18,640.20</b>
D	Furnishing and Installation of 50 mm Dia. Well Casings and Screens, Centralizers, Gravel Packing, Cement Grout, Seal, Handpump and Construction of Platform 1. Materials 100mm diam. uPVC Casing Pipes	17.5	m	310.70	5,437.25
	100mm diam. uPVC Well Screens Centralizers Gravel Pack Cement Grout	3.0 4.0 10.0 3.0 1.0	m pc m m m	1,300.00 80.00 70.00 88.20 7.53	3,900.00 320.00 700.00 264.60 7.53
	Clay Backfill Hand Pump Cement	6.0 1.0 7.0	m no. bag m3	6.87 945.00 140.00 400.00	41.22 945.00 980.00 200.00
	Sand Gravel 10mmx6m Reinf. Steel Bar No. 16 GI Wire	0.5 1.0 6.0 0.5	m3 pc kg	700.00 53.00 45.00	700.00 318.00 22.50
	CHB Sub-Total of Materials 2. Labor (40% of Materials) 3. Freight Cost (11% of Materials)	35.0	pc	7.50	262.50 14,098.60 5,639.44 1,550.85
	Sub-Total of (D)	1.0	TO	1 200 00	21,288.89
F	Water Quality Analysis Indirect Cost Profit (10% of A to E) Overhead Expense (13% of A to E) VAT (10% of Profit and Overhead Expenses) Sub-Total of (F)	1.0	LS	1,300.00	1,300.00 8,406.95 10,929.03 1,933.60 21,269.58
G	Total Construction Cost (A+B+C+D+E+F) Estimated Government Expenses 1. Preliminary and Detailed Engineering Cost				105,339.07
	2. Construction Supervision Sub-Total of (G) GRAND TOTAL				0.00 105,339.07 105,000.00
L	SAY te: L.S Lump Sum		1		

Note: L.S. - Lump Sum

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

Comprehensive Basic Survey of the Autonomous Region in Muslim Mindanao Water Supply and Sanitation Sector: Province of Maguindanao

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

	Work Items	Quantity	Unit	Unit Cost	Cost
A	Mobilization/Demobilization	1.0	LS	11,311.40	11,311.40
B	Well Drilling and Geophysical Logging				
	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
<u> </u>	Sub-Total of (B)				48,324.10
C	Well Development/Disinfection				
	Well Development By Airlifting Method	24.0	hr	766.20	18,388.80
	Disinfection	1.0	LS	4,453.05	4,453.05
D	Sub-Total of (C) Casings and Screens, Centralizers, Gravel				22,841.85
ען	Packing, Cement Grout, Seal, Handpump, Riser				
	pipe and Fittings and Construction of Platform				
	1. Materials				
	100mm diam. uPVC Casing Pipes	24.5	m	310.70	7,612.15
	100mm diam. uPVC Well Screens	24.J 6.0	m	1,300.00	7,800.00
	Centralizers	4.0	рс	80.00	320.00
	Gravel Pack	15.0	m pe	70.00	1,050.00
ł	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
	Sub-Total of Materials				31,153.94
	2. Labor (40% of Materials)				12,461.58
	3. Freight Cost (11% of Materials)				3,426.93
-	Sub-Total of (D)	1.0		1 000 00	47,042.45
E	Water Quality Analysis	1.0	LS	1,300.00	1,300.00
F	Indirect Cost				12 001 00
	Profit (10% of A to E) Overhead Expense (13% of A to E)				13,081.98 17,006.57
	VAT (10% of Profit and Overhead Expenses)				3,008.86
	Sub-Total of (F)				33,097.41
	Total Construction Cost (A+B+C+D+E+F)				163,917.21
G	Estimated Government Expenses			•	
	1. Preliminary and Detailed Engineering Cost				
	2. Construction Supervision				
	Sub-Total of (G)				0.00
	GRAND TOTAL				163,917.21
L	SAY				164,000.00

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)

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B Well 200-r Geop C Well Treat Well Disin	ilization/Demobilization Drilling and Geophysical Logging mm Dia. borehole by Rotary Method obysical Borehole Logging Sub-Total of (B) Development/Disinfection tment w/ Polyphosphate and Backwashing Development By Airlifting Method ifection	1.0 50.0 1.0 12.0	LS m LS	11,311.40 1,271.32 7,231.00	11,311.40 63,566.00 7,231.00
200-r Geop C Well Treat Well Disin	mm Dia. borehole by Rotary Method obysical Borehole Logging Sub-Total of (B) Development/Disinfection tment w/ Polyphosphate and Backwashing Development By Airlifting Method	1.0			
Geop C Well Treat Well Disin	bhysical Borehole Logging Sub-Total of (B) Development/Disinfection tment w/ Polyphosphate and Backwashing Development By Airlifting Method	1.0			
C Well Treat Well Disin	Sub-Total of (B) Development/Disinfection Iment w/ Polyphosphate and Backwashing Development By Airlifting Method	12.0	LS	7,231.00	7 231 00 1
Treat Well Disin	Development/Disinfection tment w/ Polyphosphate and Backwashing Development By Airlifting Method				1,000
Treat Well Disin	tment w/ Polyphosphate and Backwashing Development By Airlifting Method			1	70,797.00
Well Disin	Development By Airlifting Method				
Disin			hr	929.07	11,148.84
	fection	24.0	hr	795.27	19,086.48
	noodon	1.0	LS	6,370.18	6,370.18
	Sub-Total of (C)				17,519.02
	ngs and Screens, Centralizers, Gravel				
	ting, Cement Grout, Seal, Handpump, Riser				
pipe	and Fittings and Construction of Platform				
1. Ma	aterials				
11	nm diam. uPVC Casing Pipes	44.5	m	310.70	13,826.15
14	nm diam. uPVC Well Screens	6.0	m	1,300.00	7,800.00
	ralizers	4.0	pc	80.00	320.00
E	el Pack	20.0	m	70.00	1,400.00
	ent Grout	6.0	m	88.20	529.20
Clay		1.0	m	7.53	7.53
Back		23.0	m	6.87	<u></u> 158.01
	wi Deep Well Hnad pump	1.0	no.	9,378.00	9,378.00
	um uPVC Riser	18.0	m	101.20	1,821.60
	un uPVC Coupling	5.0	no.	14.10	70.50
11	um Male Threaded Adoptor	1.0	no.	27.00	27.00
Ceme		7.0	bag	140.00	980.00
Sand		0.5	m3	400.00	200.00
Grav		1.0	m3	700.00	700.00
11	mx6m Reinf. Steel Bar	6.0	pc	53.00	318.00
11	16 GI Wire	0.5	kg	45.00	22.50
CHB		35.0	pc	7.50	262.50
) 	Sub-Total of Materials				37,820.99
18	abor (40% of Materials)				15,128.40
5. FR	eight Cost (11% of Materials)				4,160.31
E Wate	Sub-Total of (D) er Quality Analysis	1.0	LS	1,300.00	57,109.69 1,300.00
	rect Cost	1.0		1,500.00	1,00000
16	it (10% of A to E)				15,803.71
11	rhead Expense (13% of A to E)				20,544.82
11	(10% of Profit and Overhead Expenses)				3,634.85
	Sub-Total of (F)				39,983.39
Tota	al Construction Cost (A+B+C+D+E+F)				198,020.50
	mated Government Expenses				
	eliminary and Detailed Engineering Cost				
11	onstruction Supervision				
	Sub-Total of (G)				0.00
GRA	AND TOTAL				198,020.50
SAY					198,000.00

Note: L.S. - Lump Sum

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

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

	Work Items	Quantity	Unit	Unit Cost	Cost
A	Mobilization/Demobilization	1.0	LS	11,311.40	11,311.40
	Well Drilling and Geophysical Logging	*			
	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
	Sub-Total of (B)				86,480.80
C	Well Development/Disinfection				
	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
	Sub-Total of (C)				17,519.02
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				
	1. Materials 100mm diam. GI Casing Pipes	64.5		663.40	10 700 20
	100mm diam. Gi Casing Pipes	6.0	m	1,666.67	42,789.30 10,000.00
	Centralizers	6.0 6.0	m	1,000.07	828.00
	Gravel Pack	20.0	рс m	70.00	1,400.00
	Cement Grout	20.0 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	рс	7.50	262.50
	Sub-Total of Materials				69,629.54
	2. Labor (40% of Materials)				27,851.82
	3. Freight Cost (11% of Materials)				7,659.25
-	Sub-Total of (D)	1.0	Ta	1 200 00	105,140.61
	Water Quality Analysis Indirect Cost	1.0	LS	1,300.00	1,300.00
L,	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
	Sub-Total of (F)				56,103.21
<u> </u>					
	Total Construction Cost (A+B+C+D+E+F)			1-	277,855.04
G	Estimated Government Expenses				
	1. Preliminary and Detailed Engineering Cost				
	2. Construction Supervision				0.00
<u> </u>	Sub-Total of (G) GRAND TOTAL				277,855.04
	SAY				314,000.00

Note: L.S. - Lump Sum

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

Cost Adjusted to 2003 Price Level.

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	Work Items	Quantity	Unit	Unit Cost	Cost
A	Deep Well Source (30m)	1.0	LS	149,910.66	149,910.66
B	Pumping Unit	1.0	LS	70,000.00	70,000.00
C	RC Elevated Tank:				
	1. Materials				
	Portland Cement	211.0	bags	140.00	29,540.00
	Waterproofing Compound	100.0	bags	70.00	7,000.00
l	Washed Sand	13.0	cu.m.	250.00	3,250.00
	Crushed Gravel	26.0	cu.m.	400.00	
	Type A Boulder				10,400.00
	1 fmm x 6m. Reinf. Steel Bars	3.0	cu.m.	250.00	750.00
	12mm x 6m Reinf. Steel Bars	224.0	pcs.	175.00	39,200.00
	10mm x 6m Reinf. Steel Bars	145.0	pcs.	85.00	12,325.00
	20mm x 6m GI Steel Bars	89.0	pcs.	60.00	5,340.00
		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
D	Sub-Total of (C) Pump House	1.0		20.000.00	164,899.55
E	Forms & Scaffoldings	1.0		30,000.00	30,000.00
F	Distribution System:	1.0	LS	20,000.00	20,000.00
<b>1</b>	1. Materials				1
	50mm GI Pipe, Sch. 40	14.0		250.00	2 500 00
-	50mm uPVC Pipe, Class 150	94.0	m	250.00	3,500.00
	38mm uPVC Pipe, Class 150	672.0	m	125.00	11,750.00
	25mm uPVC Pipe, Class 150		m	80.00	53,760.00
	Sub-Total of Materials	253.0	m	55.00	13,915.00
	2. Labor (40% of Materials)				82,925.00
	3. Freight Cost (11% of Materials)				33,170.00
	Sub-Total of (F)				9,121.75
G	Public Faucets, Fire Hydrant and Fittings				125,216.75
	1. Materials				
	Faucet W/ RC Stand Posts	33.3	cot	2 500 00	02 222 22
	Fire Hydrants	4.0	set	2,500.00	83,333.33
	Fittings, Appurtenances	1.0	pcs. LS	7,500.00	30,000.00
	Sub-Total of Materials	1.0	1.0	18,000.00	18,000.00
	2. Labor (40% of Materials)				131,333.33
	3. Freight Cost (11% of Materials)				52,533.33
	Sub-Total of (G)				14,446.67
H	Indirect Cost		·····		198,313.33
	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)				-
	Sub-Total of (H)				17,441.83
					191,860.09
T	Total Construction Cost (A+B+C+D+E+F+G+H) Estimated Government Expenses				950,200.39
	-				
	1. Preliminary and Detailed Engineering Cost				
	2. Construction Supervision				_
	Sub-Total of (I)				0.00
	Total Estimated Cost				950,200.39
L	Unit Cost per person Served : L.S Lump Sum			-	1,583.67

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

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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
A. Mobilization/Demobilization		L.S.		5,412.16
B. Construction of Spring Box				
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
Sub-Total of B				61,543.04
C. Installation of Pipelines & Fittings				
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

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

				(Cost: Peso)
Description	Quantity	Unit	Unit Cost	Cost
A. Mobilization/Demobilization		L.S.		357,203
B. Source Development and Storage				
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
Sub-Total of B				4,418,488.08
C. Transmission Main				
1. 160mm dia.	500	L.M.	1,335.72	667,860.64
Sub-Total of C			1,335.72	667,860.64
			1,103.00	
D. Distribution Main				
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
Sub-Total of D				9,301,390.57
E. Service Connections	1,000	Nos.	2,314.24	2,314,239.96
F. Miscellaneous			- <u>-</u>	
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
Sub-Total of F				1,550,042.85
Total Direct Cost (A+B+C+D+E+F)				18,609,224.72
G. Indirect Cost (25% of Direct Cost)				4,652,306.18
Total Estimated Cost (2003 Price Level)				23,261,530.89
Unit Cost per Person Served				
For New Construction				4,652.31
			say	4,600.00
			Suj	7,000.00
For Expansion of Existing System (Exclude F)				1 2 4 2 2 0
			say	4,342.30 <b>4,300.00</b>

Note: L.S. - Lump Sum

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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
A. Mobilization/Demobilization	L.S.		357,202.61
B. Source Development and Storage			
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
Sub-Total of B			4,418,488.08
C. Transmisison Main			
1. 160mm dia.	L.M.	1,335.72	667,860.64
Sub-Total of C			667,860.64
D. Distribution Main			
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
Sub-Total of D			17,488,856.41
E. Service Connections	Nos.	2,099.92	4,199,836.78
F. Miscellaneous			
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
Sub-Total of F			1,550,042.85
Total Direct Cost (A+B+C+D+E+F)			28,682,287.38
G. Service Connections	Nos.	2,314.24	7,170,571.84
Total Estimated Cost	<u></u>		35,852,859.22
Unit Cost per Person Served			
For New Construction			3,585.29
			3,600.00
For Expansion of Existing System (Exclude F)			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.

Comprehensive Basic Survey of the Autonomous Region in Muslim Mindanao Water Supply and Sanitation Sector: Province of Maguindanao ()

Appendix Table 9.1.10 Unit Cost of Pour Flush Toilet with Double Pit Latrine

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Appendix Table 9.1.10 Unit Cost of Pour Flush Tohet				(Cost: Peso)
Description	Quantity	Unit	Unit Cost	Cost
A. Earthwork 1. Materials (1) Gravel Fill Sub-Total of A-1	1	cu.m.	458.95	458.95 458.95
<ul> <li>2. Labor <ul> <li>(1) Excavation</li> <li>(2) Backfill</li> <li>(3) Gravel Fill</li> </ul> </li> </ul>	6 2 1	cu.m. cu.m. cu.m.	141.80 128.81 167.78	850.79 257.62 167.78
Sub-Total of A-2 Sub-Total of A	1	Cu.m.	107.70	1,276.19 1,735.14
<ul> <li>B. Concrete Work</li> <li>1. Materials</li> <li>Slab on wood planks</li> </ul>				
<ol> <li>16 - 2" x 8" x 6' Coco Lumber</li> <li>10mm dia. x 6.0m Rebar</li> <li>#16 Tie Wire</li> <li>Cement</li> <li>Sand</li> <li>Gravel</li> <li>Stone Lining with Mortar</li> </ol>	128 3 1 10 2 2	bd.ft pcs. kg. bags cu.m cu.m L.S.	8.66 58.45 58.45 138.55 362.61 458.95	1,108.4 175.3 29.2 1,385.5 543.9 917.9 1,206.9
2. Labor (25% of B-1) Sub-Total of B-2 Sub-Total of B		L.U.		5,367.2 1,341.8 1,341.8 6,709.0
C. Carpentry Work 1. Materials (1) Nipa (2) 1.5m x 1.8m, amakan (3) 2x3x10' Coco Lumber (4) 2x2x10' Coco Lumber (5) 3"dia. Bamboo (6) Assorted CWN (7) Rattan wire (8) Pale (medium) (9) 3"dia. PVC x 3m (10) 3"dia. PVC Elbow (11) PVC solvent (12) Ga. 31 x 8' plain GI sheet Sub-Total of C-1 2. Labor (25% of D-1) Sub-Total of C-2 Sub-Total of C-2	60 3 20 33 3 4 20 1 1 2 1 1	pcs. pcs. bd.ft lights kgs. pc. pc. pc. pcs. pint sheet	$\begin{array}{c} 2.16\\ 75.77\\ 10.82\\ 10.82\\ 21.65\\ 43.30\\ 1.08\\ 205.66\\ 194.84\\ 16.24\\ 54.12\\ 216.49\end{array}$	129.8 227.3 216.4 360.4 64.9 173.1 21.6 205.6 194.8 32.4 54.1 216.4 1,897.5 474.3 474.3 2,371.8
D. Plumbing 1. Materials (1) Toilet Bowl-Squat Type (2) 75mm dia .x 6.0m PVC Pipe Sub-Total of D-1	1	pc. pc.	652.71 153.71	652.7 153.7 806.4
2. Labor (25% of D-1) Sub-Total of D-2 Sub-Total of D				201.6 201.6 <b>1,008.</b> 0
E. Transportation Cost (excluding indigenous materials) F. Indirect Cost		L.S.		324.7
Profit (10% of A-D) VAT (10% of Profit & Labor) Sub-Total of F				1,182.4 435.0 <b>1,617.</b> 4
Total Construction Cost (A+B+C+D+E+F)			say	13,766.1 14,000.0

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

Description	0			(Cost: Peso)
Description	Quantity	Unit	Unit Cost	Cost
A. Demolition		L.S.		1,082
B. Earthwork				
I. 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
Sub-Total of B				1,735.14
C. Transmisison Main				
1. Materials				
Slab on wood planks		4		
(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
Sub-Total of C				6,977.41
D. Carpentry Work				
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	-		
Sub-Total of D-1	20	pcs.	1.08	21.65
2. Labor (30% of D-1)				1,193.92
2. Labor (50% of D-1) Sub-Total of D		5		358.18
E. Plumbing				1,552.10
1. Materials				
(1) Water Closet	,	0.54	4 070 04	4.000.04
	I	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
Sub-Total of E				8,442.97
F. Transportation Cost		L.S.		541.22
(excluding indigenous materials)				
G. Indirect Cost				
Profit (10% of A-F)				2,033.13
VAT (10% of Profit & Labor)				722.60
Sub-Total of G				2,755.73
Total of Construction Cost				
(A+B+C+D+E+F+G)				23,087.00
			say	23,000.00

Note: L.S. - Lump Sum

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

Cost Adjusted to 2003 Price Level.

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Description	Quantity	Unit	Unit Cost	Cost
A. Mobilization and Demobilization		L.S.		5,953.3
B. Earthwork				
1. Materials				
(1) Gravel Fill	3.00	cu.m.	458.95	1,376.8
Sub-Total of B-1				1,376.8
2. Labor				
(1) Excavation	15.88	cu.m.	141.80	2,251.7
(2) Backfill	4.97	cu.m.	128.81	640.1
(3) Gravel Fill	3.00	cu.m.	167.78	503.3
Sub-Total of B-2				3,395.2
Sub-Total of B				4,772.1
C. Concrete Work				
1. Materials			100.55	- <b>1</b>
(1) Cement	61.00	bags	138.55	8,451.6
(2) Sand	4.00	cu.m.	362.61	1,450.4
(3) Gravel	8.00	cu.m	458.95	3,671.6
<ul><li>(4) Rebars: 12mm dia. x 6m</li><li>10mm dia. x 6m</li></ul>	38.00	pcs.	80.10	3,043.8
	57.00 8.00	pcs.	58.45	. 3,331.7
	0.00	kgs.	58.45	467.6
(6) Formworks: 1/4" Plywood	6.00	-	482.76	0.0 2,896,5
2"x2"x10" Coco Lumber	200.00	pcs. bd.ft.	482.76 8.66	2,890,2 1,731.8
Sub-Total of C-1	200.00	04.11.	0.00	25,045.3
2. Labor (30% of C-1)		L.S.		7,513.5
2. Labor (50% of C-1) Sub-Total of C		10,0,		32,558.9
D. Masonry Work				
1. Materials				
(1) 6"CHB	800.00	pcs.	6.49	5,195.6
(2) 4"CHB	260.00	pcs.	5.41	1,407.1
(3) Cement	97.00	bags	138.55	13,439.4
(4) Sand	10.00	cu.m.	362.61	3,626.1
(5) Rebars: 12mm dia. x 6m	30.00	pcs.	80.10	2,403.0
10mm dia. x 6m	11.00	pcs.	58.45	642.9
(6) #16 Tie Wire	4.00	kgs.	58.45	233.8
(7) Scaffolding				
2"x4"x8" = 10 pcs. Coco Lumber	53.33	bd.ft.	8.66	461.8
Sub-Total of D-1				27,410.0
2. Labor (30% of D-1)		L.S.		8,223.0
Sub-Total of D				35,633.0
E. Roofing Works				•.
1. Materials				
(1) GA #26 Corr. $GI(1=10')$	20.00	bd.ft	313.91	· 6,278.1
(2) GA #24 Pln. GI Flashing	3.00	pcs.	303.08	909.2
(3) GA #24 Pln. GI Gutter (Pre-Fab)	9.00	kg.	303.08	2,727.1
(4) Umbrella Nails 2 - 1/2"	12.00	bags	49.79	597.5
(5) Rafter - $2"x5"x18' = 5 pcs$ .	75.00	bd.ft.	35.72	2,679.0
(6) Purlins - $2''x2''x12' = 18$ pcs.	72.00	bd.ft.	35.72	2,571.5
(7) WD Cleats $-2''x2''x10' = 6$ pcs.	20.00	bd.ft.	35.72	714.4

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Sheet 2 of 5			<u> </u>	(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		
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
F. Carpentry Work				
1. Materials				
(1) D - 1 Hollow Core Tangule				
Flush Type Door w/ Louver (.80 x 2.20)	2.00	sets	1,638.80	3,277.60
(2) D - 2 Hollow Core Tanguile				
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)				
$2" \times 6" \times 14" = 5 \text{ pcs.}$	14.00	bd.ft.	35.72	500.08
$2" \ge 6" \ge 10" = 1 \text{ pc.}$	20.00	bd.ft.	35.72	714.41
$2'' \ge 6'' \ge 10'' = 1$ pc.	18.00	bd.ft.	342.05	6,156.87
$2'' \ge 6'' \ge 12'' = 1$ 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)				
$2" \times 6" \times 16" = 5 \text{ pcs.}$	80.00	bd.ft.	35.72	2,857.62
$2" \times 6" \times 14" = 1 \text{ pc.}$	14.00	bd.ft.	35.72	500.08
$2" \times 6" \times 10" = 1 \text{ pc.}$	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	2.00	£	200100	18,385.11
2. Labor (30% of F-1)		L.S.		5,515.53
Sub-Total of F		<b>D</b> .D.		23,900.64
G. Tile Work				20,00001
1. Materials				
(1) $4 - 1/4" \ge 4 - 1/4"$ Glazed Tiles	1,950.00	pcs.	4.33	8,442.97
(1) $4 - 1/4 \times 4 - 1/4$ Glazed Thes (2) $0.10 \times 0.20 \text{m Floor Tiles}$	900.00	pcs.	7.58	6,819.32
$\begin{array}{ccc} (2) & 0.10 \times 0.20 \text{ M From Thes} \\ (3) & \text{Cement} \end{array}$	4.00	bags	138.55	554.21
(4) White Cement	1.00	bags	750.13	750.13
(4) white Cement Sub-Total of G-1	1.00	Uag	, 50.15	16,566.62
				4,969.99
2. Labor (30% of G-1) Sub-Total of G				4,909.99 21,536.61
				A1,000001

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Description	Quantity	Unit	Unit Cost	Cost
H. Plumbing Works	Quantity	Ome		
1. Materials				
(1) Toilet Bowl - Squat Type	3.00	sets	711.16	2,133.4
(2) Toilet Bowl - Sit Type	2.00	sets	711.16	1,422.3
(3) Lavatory	2.00	sets	3,247.30	6,494.
(4) 4" dia x 3m PVC San. Pipe	4.00	pcs.	177.52	710.0
(5) 3" dia x 3m PVC San. Pipe	7.00	pcs.	99.58	697.0
(6) 1 1/2" dia. x 3 m PVC San. Pipe	4.00	pcs.	62.78	251.
(7) 2" dia. x 3 m PVC San. Pipe	2.00	pcs.	59.53	119.0
(8) 6" x 4" Floor Drain	5.00	pcs.	99.58	497.9
(9) 2" dia. Elbow PVC	4.00	pcs.	7.58	30.3
(10) 4" dia. WYB PVC	2.00	pcs.	29.23	58.4
(11) 4" dia. x 3" dia. WYB PVC	12.00	pcs.	35.72	428.0
(12) 4" dia. x 2" dia. TEE PVC	2.00	pcs.	36.80	73.0
(13) 4" dia. TEE PVC	3.00	pcs.	36.80	110.4
(14) 1 1/2" dia. WYB PVC	1.00	pcs.	14.07	14.0
(15) 4" dia. Clean Out PVC	3.00	pcs.	41.13	. 123.4
(16) 3" dia. Clean Out PVC	1.00	pcs.	32.47	32.4
(17) Faucet	3.00	pcs.	59.53	178.
(18) 3" dia. x 2"dia. WYB PVC	2.00	pcs.	29.23	58.4
(19) 1 1/2" dia. Elbow PVC	6.00	pcs.	15.15	90.9
(20) PVC Cement	1.00	can	143.96	143.9
(21) 2" dia. PVC San. Pipe x 3m	2.00	pcs.	94.17	188.3
(22) 4" dia. x 2" dia. TEE	2.00	pcs.	24.90	49.7
(23) Check Valve 1 1/2"	1.00	pcs.	216.49	216.4
(24) 4" P-Trap	5.00	pcs.	77.94	389.0
Sub-Total of H-1		-		14,513.2
2. Labor (30% of H-1)		L.S.		4,353.9
Sub-Total of H				18,867.2
I. Painting				
1. Materials				
(1) Acrylic, Semi-gloss	8.00	gals.	298.75	2,390.0
(2) Concrete Sealer	4.00	gals.	235.97	943.
(3) Acri Color: Wood	4.00	gals.	90.92	363.1
(4) Enamel,QDE	6.00	gals.	305.25	1,831.4
(5) Wood Putty	1.00	gals.	346.38	346.
(6) Paint Thinner	1.00	gals.	68.19	68.
(7) Tinting Color	4.00	gals.	45.46	181.
(8) Sand Paper (assorted)	15.00	gals.	7.58	113.
(9) Miscellaneous		L.S.		1,147.
(10) Roof Paint (green, ready-mix)	2.00	gals.	322.56	645.
Sub-Total of I-1				8,031.
2. Labor (30% of I-1)		LS		2,409.4
Sub-Total of I				10,441.
J. Electrical Work				
1. Materials				
(1) 40 Watts Flourescent Lamp	2.00	sets	292.26	584.
(2) Elect. Wire TW#12	24.00	М	7.58	181.
(3) Elect. Conduit - 1/2" dia. x 10"	4.00	pcs.	88.76	355.0

## Sheet 4 of 5

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
K. Hardware				
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
L. Septic Tank and Sewage Basin				
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
M. Shallow Well (18 depth)				
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

Comprehensive Basic Survey of the Autonomous Region in Muslim Mindanao Water Supply and Sanitation Sector: Province of Maguindanao

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Sheet 5 of 5				(Cost: Peso)
Description	Quantity	Unit	Unit Cost	Cost
2. Labor, Fuel, Lubricant & others	18.00	m	620.23	11,164.21
Well Drilling for 18m depth at 150mm borehole				
Sub-Total of M-a-2				11,164.2
Sub-Total of M-a				15,251.47
b. Well Development		L.S.		595.34
c. Gravel Packing, Installation of Handpump &				
Construction of Platform				
1. Materials				
(1) 50mm Jetmatic Handpump	1.00	set	2,839.22	2,839.23
(2) 50mm x 1m GI Pipe (Sch.40)	1.00	pc.	88.76	88.70
(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	138.5
(6) Pump Base and Platform		. 3		100101
1) Cement	4.00	bags	138.55	554.21
2) Gravel	1.00	cu.m.	458.95	458.9
3) Sand	1.00	cu.m.	362.61	362.61
4) Plywood (1,200mm x 2,400mm x 6mm)	1.00	pc.	482.76	<sup>2</sup> 482.70
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		<u> </u>		5,151.38
2. Labor (40% of M-c-1)		L.S.		2,060.55
Sub-Total of M-c-1				7,211.93
N. Freight Cost (11% of Materials for A-M excluding		L.S.		17,442.13
sand & gravel)		12101		
O. Indirect Cost				
Profit (10% of A-N)				24,615.86
VAT (10% of Profit & Labor)			•	6,340.61
Sub-Total of O				30,956.46
· · · · · · · · · · · · · · · · · · ·		•		50,550.10
Total Construction Cost (A - O)				269,075.50
P. Estimated Government Expenses				
1. Preliminary & Detailed Engineering Cost		L.S.		
2. Construction Supervision		L.S.		
Sub-Total of P				0.00
GRAND TOTAL				269,075.50
			say	269,000.00

Note: L.S. - Lump Sum

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

Cost Adjusted to 2003 Price Level.

	Description	Quantity	Unit	Unit Cost	Cost
А.	Mobilization and Demobilization		L.S.		7,36
В.	Earthwork				
	Materials				
	(1) Gravel Fill	3.00	cu.m.	458.95	1,376.8
	Sub-Total of B-1	5.00	Juint	150.55	1,376.8:
2	Labor				1,570.0.
۵.	(1) Excavation	15.88	cu.m.	141.80	2,251.7
	(2) Backfill	4.97	cu.m.	128.81	640.1
	(3) Gravel Fill	3.00	cu.m.	167.78	503.3
	Sub-Total of B-2	2.00		10/110	3,395.2
	Sub-Total of B				4,772.1
<u>C.</u>	Concrete Work			1	
	Materials				
	(1) Cement	61.00	bags	138.55	8,451.63
	(2) Sand	4.00	cu.m.	362.61	1,450.4
	(3) Gravel	8.00	cu.m	458.95	3,671.6
	(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:		81		
	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
	Sub-Total of C				32,558.91
D.	Masonry Work				
1.	Materials	-			
	(1) 6"CHB	800.00	pcs.	6.49	5,195.67
	(2) 4"CHB	260.00	pcs.	5.41	1,407.10
	(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	642.90
	(6) #16 Tie Wire	4.00	kgs.	58.45	233.83
	(7) Scaffolding		-		
	2"x4"x8" = 10 pcs. Coco Lumber	53.33	bd.ft.	8.66	461.8
	Sub-Total of D-1				27,410.04
2.	Labor (30% of D-1)		L.S.		8,223.0
	Sub-Total of D				35,633.0
Е.	Roofing Works				
1.	Materials				
	(1) GA #26 Corr. GI(1=10')	20.00	bd.ft	313.91	6,278.1
	(2) GA #24 Pln. GI Flashing	3.00	pcs.	303.08	909.2
	(3) GA #24 Pln. GI Gutter (Pre-Fab)	9.00	kg.	303.08	2,727.7
	(4) Umbrella Nails 2 - 1/2"	12.00	bags	49.79	597.5
	(5) Rafter - $2"x5"x18' = 5$ pcs.	75.00	bd.ft.	35.72	2,679.0
	(6) Purlins $- 2''x2''x12' = 18$ pcs.	72.00	bd.ft.	35.72	2,571.8
	(7) WD Cleats $-2"x2"x10' = 6 \text{ pcs.}$	20.00	bd.ft.	35.72	714.4

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Description	Quantity	Unit	Unit Cost	(Cost: Peso) Cost
	120.00	bd.ft.	35.72	4,286.4
(8) Nailers - $2''x2''x12' = 30$ pcs.	120.00	bd.ft.	35.72	4,286.4
$-2^{"}x2^{"}x10' = 36 \text{ pcs.}$	120.00	ba.n.	55.72	4,280.4
(9) Fascia Board	48.00	1.1.0	25.72	1 714 5
1"x12"x12'=4 pcs.	48.00	bd.ft.	35.72	1,714.5
1"x12"x18'=2 pcs.	36.00	bd.ft.	35.72	1,285.9
(10) Wood Plate			0.00	
2"x4*x20'=2 pcs.	26.66	bd.ft.	35.72	952.3
(11) 1/4"Thk. Mar. Plywood 4"x 8"	14.00	pcs.	518.49	7,258.7
(12) C.W.N. Assorted	15.00	kgs.	32.47	487.0
. (13) 3" dia. x 3 m Downspout (PVC)	3.00	pcs.	92.01	276.0
(14) 3" dia_ Elbow (PVC)	2.00	pcs.	16.24	32.4
(15) 3" dia. Coupling (PVC)	1.00	pcs.	15.15	15.1
(16) Ceiling Vent				
1"x1"x8' = 4  pcs.	2.67	bd.ft.	29.23	78.0
(17) Screen (1/8"x1/8")	1.00	yd.	92.01	92.0
Sub-Total of E-1				37,243.1
2. Labor (30% of E-1)		L.S.		11,172.9
Sub-Total of E				48,416.0
F. Carpentry Work				
1. Materials				
(1) D - 1 Hollow Core Tangule				
Flush Type Door w/ Louver (.80 x 2.20)	2.00	sets	1,638.80	3,277.6
(2) D - 2 Hollow Core Tanguile			ŕ	,
Flush Type Door (.60 x 2.10)	1.00	sets	1,229.64	1,229.6
(3) D - 3 Louver Door (.60 x 1.40)	5.00	sets	1,025.06	5,125.3
(4) Door Jambs (Apitong)				- ,
$2" \times 6" \times 14" = 1 \text{ pc.}$	14.00	bd.ft.	35.72	500.0
$2" \times 6" \times 10" = 2 \text{ pcs.}$	20.00	bd.ft.	35.72	714.4
$2" \times 6" \times 10" = 1 \text{ pc.}$	18.00	bd.ft.	35.72	642.9
$2" \times 4" \times 12" = 5 \text{ pcs.}$	40.00	bd.ft.	35.72	1,428.8
(5) Wooden Jalousie Window	+0.00	04.16	33.14	1,720.0
with 5 Blades (.40x.50)	14.00	sets	322.56	4,515.9
	14.00	3013	522.30	4,010.3
(6) Window Jambs (Apitong) $2" \times 6" \times 16" = 5 \mod 10^{-10}$	80.00	bd.ft.	25.70	2057
$2^{"} \times 6^{-} \times 16^{"} = 5 \text{ pcs.}$			35.72	2,857.0
$2^{"} \times 6^{"} \times 14^{"} = 1 \text{ pc.}$	14.00	bd.ft.	35.72	500.0
$2" \times 6" \times 10" = 1 \text{ pc.}$	10.00	bd.ft.	35.72	357.2
(7) Cabinet $2/4^{\prime\prime}$ (1) $2^{\prime\prime}$ (1) $2^{\prime\prime}$	1.00		0.00	`* 000 /
$3/4'' \ge 4' \ge 8' = 1$ pc. (plyboard)	1.00	pc.	888.68	000.0
Sub-Total of F-1		* ~		22,038.3
2. Labor (30% of F-1)		L.S.		6,611.
Sub-Total of F				28,649.8
G. Tile Work				
1. Materials				
(1) 4 - 1/4" x 4 - 1/4" Glazed Tiles	1,950.00	pcs.	4.00	7,800.0
(2) 0.10 x 0.20m Floor Tiles	900.00	pcs.	7.00	6,300.0
(3) Cement	4.00	bags	128.00	512.0
(4) White Cement	1.00	bag	693.00	693.0
(5) Tiles Fittings		L.S.		5,280.0
Sub-Total of G-1				20,585.0

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
H. Plumbing Works				
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		<b>x</b> -		16,035.15
2. Labor (30% of H-1)		L.S.		4,810.55
Sub-Total of H				20,845.70
I. Painting				
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	10.00	L.S.	0.00	1,153.87
(10) Roof Paint (green, ready-mix)	2.00	gals.	322.56	645.13
(10) Roof Paint (green, feady-linx) Sub-Total of I-1	2.00	5 <sup>413</sup> .	522.50	8,038.14
		L	1	-,

Sheet	4	of	5
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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
J. Electrical Work				
1. Materials				
(1) 40 Watts Flourescent 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
K. Hardware				
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
L. Septic Tank and Sewage Basin				
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	<b>10</b> 00			
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
M. Concrete Water Tank (Elevated)				
1. Earth Work				
(1) Materials	1.00	_	100.00	
i) Gravel Fill	1.00	cu.m.	458.95	458.95

Comprehensive Basic Survey of the Autonomous Region in Muslim Mindanao Water Supply and Sanitation Sector: Province of Maguindanao

Appendix Table 9.1.13	Unit Cost of Public Toilet
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Sheet 5 of 5

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
$2^{*}x3^{*}x16' = 60 \text{ pcs.}$	480.00		8.66	4,156.54
(7) CWN (assorted)	5.00	1	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		L.S.		20,734.64
. excluding sand & gravel)				
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
GRAND TOTAL				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.

- Quantities
Table 9.3.1
Appendix

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						Phas	e I (2005-2	Phase I (2005-2010) Requirement	ement					
				Urban Arca							Rural Area			
Municinality	-	Water Supply	Y		Sanitation	ation			Water Supply	y		Sanit	Sanitation	
	Level III Served	Level II Served	Level I No. of	HH Flush	HH Pour	Public	Public	Level III Served	Level II Served	Level I No. of	НН Flinch	HH Pour	Public	Public
	Pop	Pop	wells		r'lush	School	Utilities	Pop	Pop	wells		Flush	School	Utilities
l Ampatuan	0	3,315	0	0	961	-	-	0	3,762	244	0	949	~	C
	0	2,852	0	0	80	-	-	0	732	138	0	203	21	
	0	2,809	0	0	48	1	1	0	2,653	247	0	485	5	) 0
	6,678	0	0	56	0	-1	1	6,116	0	181	0	164	13	0
	0	1/6/1	57	303	801		-	0	7,070	603	637	1,519	10	0
1	0	1,426	0	0	44	1		0	640	219	0	337	3	0
	5,640	0	0	92	0	1	1	0	0	264	0	255	0	0
	0	0	0	0	0	0	0	0	1,516	249	0	324		
	0	0	0	0	0	0	0	0	1,387	95	0	452	0	
	0	2,040	27	0	184		-	0	4,319	170	0	708	2	
	0	0	0	0	0	0	0	0	0	288	0	359	5	
	0	2,240	و	0	91	4		0	0	259	0	402	L	0
1	0	0	∞.	0	7		1	0	2,383	139	0	161	5	0
	0	0	0	0	40		1	0	3,994	74	0	256	12	0
	0	0	0	0	0	0	0	5,193	0	297	108	686	4	
	3,441	0	13	399	11	-	-	0	0	310	0	1,545	3	0
	0	0	0	0	0	0	0	0	0	67	0	88	1	
	4,493	1,529	181	437	252	5		0	0	277	135	476	2	0
19 Sharifi Aguak	4,800	0	0	304	0	0	1	3,499	1,941	175	344	646		0
-	4,201		35	246	93	0		0	0	251	0	659	-	0
1	0	0	5	227	0	0		1,766	811	512	854	1,270	2	0
			0	0	0	0	0	0	1,693	157	0	471	2	
	0	2,419	~	0	281	m	-	0	0	319	0	1,575	5	0
F	0	1,673	14	0	93		-	0	793	251	0	453	3	0
25 Talitay	0	0	0	0	0	0,	0	:	0	316	0	682	15	·
	3,030	0. 220	0	0	99			0	0	471	0	622	7	0
L I UVILICIAL I UTAL	34,349	1 6/7'77	354	Z,U63	1,659	22	19	16,574	33,695	6,574	2,078	15,746	136	7

Appendix Table 9.3.1 - Quantities (Cont.)

Municipality						LIBBO	Phase II (2010-2015) Requirement	annpaxt (ch	ment					
<u>I</u>				Urban Area							Rural Area			
<u> </u>	M	Water Supply			Sanitation	tion		M	Water Supply			Sanitation	ation	
	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
l Ampatuan	0	995	4	0	157	-	-	3,429	4,042	204	125	654		0
2 Barira	0	607	0	0	159		1	0	218	142	0	428	1	0
	0	1,194	13	0	213	1		3,610	0	271	0	876	3	0;
	1,353	0	0	252	0	0		1,239	0	178	0	727	0	0
5 Datu Odin Sinsuat	0	647	4	278	99			0	2,320	462	594	1,425	5	0
	0	461	3	0	85	-	-	0	214	224	0	651		0
7 Datu Piang	1,405	0	0	52	0	0		0	0	266	0	143		0
8 Datu Saudi	0	0	0	0	0	0	0	0	394	251	0	203	-	<b>,                                    </b>
9 Datu Unsay	0	0	0	0	0	0	0	o	352	<i>L</i> 6	0	527	0	:
10 Gen. S. K. Pendatun	0	599	30	0	272	0	1	0	1,267	181	0	1,044	-	0
	0	0	0	0	0	0	0	0	0	329	0	613	2	
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
1	0	0	33	0	81	0	1	0	1,320	127	0	509	2	0
15 Pagagawan	0	0	0	0	0	0	0	2,001	0	344	184	1,207	ъ	-
16 Pagalungan	1,301	0	26	362	64	0	1	0	0	339	0	1,409	2	•
	0	0	0	0	0	0	0	0	0	70	0	180	0	-
18 Parang	1,964	460	47	391	74	F		0	0	252	115	395	2	0
19 Shariff Aguak	1,216	0	0	355	0	0		887	492	177	402	760	1	
20 South Upi	1,316	0	40	258	98	0	1	0	0	237	0	669	-	0
1	0	0	7	423	0	0	1	753	308	699	1,595	2,370	m	0
22 Sultan Mastura	0	0	0	0	0	0	0	0	524	168	0	881		
23 Sultan Sa Barongis	0	985	0	0	162	0	-	0	0	332	0	2,151	_	0
í	0	402	23	0	159	0		0	336	288	0	774	-	°.
25 Talitay	0	0	0	0	0	0	0	0	0	359	0	882	3	
26 Upi	804	0	1	157	0		-1	0	0	480	0	1,404	m	
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

Page 2 of 24

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Table 9.3.2	
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						Dhaca	100-2006/1	Dhace 1 (2005, 2010) Docuitement						
. <u></u>				Urban Arca		20111	107-00-11	of traduity in the second			Rural Area			
		Water Supply			Sanitation	ation			Water Supply			San	Sanitation	
Municipality	Level III	Level II	Level 1	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
	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
	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
	4,652	1,584	198,000	4,871	653	271,000	342,000	4,652	1,584	198,000	4,871	653	271,000	342,000
	3,585	1,584	105,000	4,871	653	271,000	342,000	3,585	1,584	105,000	4,871	653	271,000	342,000
	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
	4,652	1,584	105,000	4,871	653	271,000	342,000	4,652	1,584	105,000	4,871	653	271,000	342,000
	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
	4,652	1,584	105,000	4,871	(53	271,000	342,000	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	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	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	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	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	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	4,652	1,584	105,000	4,871	653	271,000	342,000
	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
	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
	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
1	3,430	1,584	314,000	4,871	653	271,000	342,000	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	3,585	1,584	105,000	4,871	653	271,000	342,000
	3,585	1,584	314,000	4,871	653	271,000	342,000	3,585	1,584	314,000	4,871	653	271,000	342,000
Í	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
[	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
	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
	4,652	1,584	105,000	4,871		271,000	342,000	4,652	1,584	105,000	4,871	653	271,000	342,000
2.2 1 airtay	4,052	1,584	105,000	4,871	i	271,000	342,000	4,652	1,584	105,000	4,871	653	271,000	342,000
	4,032	1,784	000,001	4,8/1	653	271,000	342,000	4,652	1,584	105,000	4,871	653	271,000	342,000

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Table 9.3.2
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						Phase	II (2010-201	Phase II (2010-2015) Requirement	nt					
				Urban Area						Ц.	Rural Area			
		Water Supply			Sanitation	ation		-	Water Supply			Sani	Sanitation	
Municipality	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
l 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
	4,342	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
	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
	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
1	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
	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	5,000	1,584	105,000	4,871	(53	271,000	342,000	5,000	1,584	105,000	4,871	(53	271,000	342,000
	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
i	5,000	1,584	105,000	4,871	(53	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

Comprehensive Basic Survey of the Autonomous Region in Muslim Mindanao Water Supply and Sanitation Sector: Province of Maguindanao

Page 4 of 24

Table 9.3.3 - Total Construction Cost

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Municipality Le 1 Arrepatuan 2 Barita														
tuan la				Urban Area					and the second		Rural Area			
uan		Water Supply			Sanitation	tion and	1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1		Water Supply			Smi	Sunitation	
1 Arrpotuan 2 Barira	Level III	Level 11	Level 1	HH Flush	HH Pour Flush	Public School	Public Utilities	Level III	Level II	Level 1	HH Flush	HH Pour Flush	Public School	Public Hitities
2 Barira	0	5,249,991	0	0	127,950	271,000	342,000	0	5,957,940	39,939,209	0	619 444	PCU 313	
	0	4,516,294	0	¢	52,136	271,000	342,000	0	1,159,742	27,261,676	0	132.260	5.574.128	
3 Buldon	0	4,449,017	0	0	31,006	271,000	342,000	0	4,201,139	48,894,242	0	316.653	1414 236	,
4 Buhuan 23	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	, e
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	
6 Datu Paglas	0	2,259,085	0	0	28,457	271,000	342,000	0	1,012,969	22,995,202	0	219.636	761.182	
7 Datu Piang 20	20,220,289	0	0	447,639	0	390,297	342,000	0	0	27,735,529		166.311		; c
8 Datu Saudi	0	0	0	0	0	Q	0	0	2,400,930	26,107.394	0	211.510	360 274	000 041
9 Datu Unsay	0	0	0	0	0	0	0	0	2,196,730	10.024.501	, o	090 200	L14'000	000 611
10 Gen. S. K. Pendatun	0	3,230,676	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 Martasapano	0	0	846,066	0	4,846	271,000	342,000	ð	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	Ð	18,617,666	0	31,187,747	527,203	448,011	1,218,864	342,000
ngan	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
	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
Shuriff 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	405,337	0
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
	0	0	0	0	0	0	0	0	2,681,010	16,516,731	0	307,169	521,533	342.000
23 Sultan Sa Barongis	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	G
24 Talayan	0	2,650,117	1,444,400	0	60,552	271,000	342,000	0	1,256,335	26,382,860	•	295,514	859,818	0
25 Talitay	0	0	0	0	0	0	0	0	0	33,188,533	0	445.348	4.078.204	142 000
	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 122.	122,187,525	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	36.984.770	2.394.000

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						· · · · · · · · · · · · · · · · · · ·	Phase II (2010-2015) Requirement	115) Requirement						
				Urban Area							Rural Area			
Municipality	The second se	Water Supply			Sanitation	ion .	ì		Water Supply			Sanitation	ation	
-	Level III	Level 11	Levell	HH Flush	HH Pour Flush	Public School	Public Utilities	Level III	Level II	Level 1	1414 Flush	HH Pour Flush	Public School	Public Utilities
i 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	<b>Q</b>
2 Barica	0	960,800	0	0	1	271,000	342,000	0	345,897	28,204,804	0	279,448	224,317	0
	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 Sinsuat	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	712.060	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
S Datu Saudi	0	0	0	0	0	0	0	0	623,689	26,382,548	0	132,533	167,442	342,000
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. Pendatun	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 Guindelungan	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	105,577	271,000	342,000	<b>0</b> ,	0	29,024,496	0	493,968	543,640	0
13 Marrasapano	0		851,674		11,734	0	342,000	ł	977,874	14,830,982	0	263,061	125,816	0
14 Matanog	0	0	3,447,163	0	52,850	0	342,000	¢	2,090,860	13,317,600	0	332,052	599,427	0
15 Pagagawan	0	0	0	0	0	0	0	10,006,373	0	36,092,673	896,381	788,140	704,484	342,000
to Pagalungan	6,506,979	0	2,740,190	1,703,720	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	\$05,000	362,351	0
25 Talitay	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

Table 9.3.3 - Total Construction Cost (Cont.)

Comprehensive Basic Survey of the Autonomous Region in Muslim Mindanao Water Supply and Sanitation Sector: Province of Maguindanao

Page 6 of 24

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		(r × 1,000	- Dr calhuo	1 1- II 400 I	-		Phase	Phase I (2005-2010) Requirement	10) Requi	rement					
					Urban Area							Rural Area			
	Municipality	3	Water Supply			12.2.1				Water Supply	ply		San	- 21	
		Level III	Level II	Level 1	HH	HH Pour Flush	Public	Public Utilities	Level III	Level II	Level I	HH Flush	HH Pour Flush	r Public School	Public Utilities
<u> -</u>	<i>I</i> . Ampatuan	0	5,250	0	0	128	271	342	0	5,958	39,939	0	619	838	0
	2. Physiscal Contingency(15% of 1))	0	787	0	0	61	41	51	0	894	5,991	0		126	0
-	3. Price Contingency (10% of 1 & 2)	0	604	0	0	15	31	39	0	685	4,593	0	12	96	0
	4. Total Direct Cost	0	6,641	0	0	162	343	433	0	7,537	50,523	0	784	1,060	0
	5. Indirect Cost														
	6. Feasibility Study/DD (9% of 4)	0	598	0	0	15	31	39	0	678	4,547	0	12	95	0
	7 Construction Supervision(4% of 4)	0	266	0	0	6	14	17	0	301	2,021	0	31	42	0
	8. Training(3% and 12% for urban & rural)	0	199	0	0	5	10	13	0	904	6,063	0	94	127	0
	9. Total indirect Cost	0	1,063	0	0	26	55	69	0	1,884	12,631	0	196	265	0
	10. Total Project Cost	0	7.704	0	0	188	398	502	0	9,421	63,154	0	979	1325	0
~	1. Barira	0	4,516	0	0	52	271	342	0	1,160	27,262	0	132	5,574	0
	2. Physiscal Contingency(15% of 1))	0	677	0	0	8	41	51	0	174	4,089	0	20	836	0
	3. Price Contingency (10% of 1 & 2)	0	519	0	0	6	31	39	0	133	3,135	0	15	641	0
	4. Total Direct Cost	0	5,713	0	0	66	343	433	0	1,467	34,486	0	167	7,051	0
	5. Indirect Cost	7													
	6. Feasibility Study/DD (9% of 4)	0	514	0	0	6	31	39	0	132	3,104	0	15	635	0
	7 Construction Supervision(4% of 4)	0	229	0	0	3	14	17	0	59	1,379	0	7	282	0
	8. Training(3% and 12% for urban & rural)	0	121	0	0	2	10	13	0	176	4,138	0	20	846	0
	9. Total indirect Cost	0	914	0	0	11	55	69	0	367	8,622	0	42	1,763	0
	10.Total Project Cost	0	6,627	0	0	77	398	502	0	1,834	43,108	0	209	8,814	0
m	1. Buldon	0	4,449	0	0	31	271	342	0	4,201	48,894	0	317	1.414	0
	2. Physiscal Contingency(15% of 1))	0	667	0	0	5	41	51	0	630	7,334	0	47	212	0
	3. Price Contingency (10% of 1 & 2)	0	512	0	0	4	31	39	0	483	5,623	0	36	163	0
	4. Total Direct Cost	0	5,628	0	0	39	343	433	0	5,314	61,851	0	401	1,789	0
	5. Indirect Cost				_										
	6. Feasibility Study/DD (9% of 4)	0	507	0	0	4	31	39	0	478	5,567	0	36	161	0
	7 Construction Supervision(4% of 4)	0	225	0	. 0	·2	14	17	0	213	2,474	0	91	72	0
	8. Training(3% and 12% for urban & rural)	0	169	0	0	1	10	13	0	638	7,422	0	48	215	0
·	9. Total indirect Cost	0	900	0	0		55	60	0	1,329	15,463	0	100	447	0
	10.Total Project Cost	0	6,528	0	0	45	398	502	0	6,643	77,314	0	501	2,236	0
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Comprehensive Basic Survey of the Autonomous Region in Muslim Mindanao Water Supply and Sanitation Sector: Province of Maguindanao .

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4 Total Investment Costs (P x 1,000)- breakdown	
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Rural Area           Aupply         Aunt         Sanit         Sanit           II Levell         HH         HH Pour           0         19,043         0         107 <t< th=""><th></th><th>Appendix 1 abre 2.5. <math>\pm</math> 1 0 tai 11/ Estimetit Cosis (r. X. 1,000/° Di caraovia <math>-</math>r. 11 abr</th><th>land a way</th><th></th><th>DCDIT T- TTL</th><th>-</th><th></th><th>Phase I</th><th>(2005-20</th><th>Phase I (2005-2010) Requirement</th><th>rement</th><th></th><th></th><th></th><th></th><th></th></t<>		Appendix 1 abre 2.5. $\pm$ 1 0 tai 11/ Estimetit Cosis (r. X. 1,000/° Di caraovia $-$ r. 11 abr	land a way		DCDIT T- TTL	-		Phase I	(2005-20	Phase I (2005-2010) Requirement	rement					
Municipality         Contract STPN with a strain of the strain strain of the strain strai					5	ban Area			ļ	-		R	ural Area			
The function         Consisting of the function         Consisting function <thconsistin< th="">         Consisting         Consisti</thconsistin<>		Municipality	M	ater Supply			Sanita		1000000		Water Sup	oly		Service Sanit		
1         Plutum         23,90         0         23,91         0         23,95         13         13         13,95			Level III	Level II	e v	1501	HH.Pour Flush	lic	Public Utilities	Level III	Level II	Level I	Flush	HH Pour Flush	Public School	<pre> Public Utilities </pre>
$\begin{array}{c c c c c c c c c c c c c c c c c c c $	4	/ Buluan	23.943	0	0				342	21,929	0	19,043	0	107	3,599	0
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $		2. Physiscal Contingency(15% of 1))	3,592	0	0	41	0	41	51	3,289	0	2,856	0	16	540	0
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $		3. Price Contingency (10% of 1 & 2)	2 754	0	0		0	31	39	2,522	0	2,190	0	12	414	0
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $		4. Total Direct Cost	30,289	0	0	347	0	343	433	27,740	0	24,089	0	135	4,553	0
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $		5 Indiract Cost		_												
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $		6 Forsihility Study/DD (0% of 4)	2.726	0	0	31	0	31	39	2,497	0	2,168	0	12	410	0
6. Training(76 and 13%) or the factor of the fac		7 Construction Supervision(4% of 4)	1212	) O	0	14	0	14	17	1,110	0	964	0 .	5	182	0
$ \begin{array}{l c c c c c c c c c c c c c c c c c c c$		8. Training(3% and 12% for urban & rural)	906	0	0	01	0	01	13	3,329	. 0	2,891	0	16	546	0
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$		9. Total indirect Cost	4,846	0	0	56	0	55	69	6,935	0	6,022	0	34	1,138	0
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$										;			<b>`</b>			1
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$		10.Total Project Cost	35,135	0	0	402	0	398	502	34,675	0	30,111	0	109	2,091	»
1. Dan Odin Simera(15% of 1)       0       3/11       11/368       1/341       70       271       91       3/11       3/19       1/19/11       3/19       1/19/11       3/19       1/19/11       3/19       1/19/11       3/19       1/19/11       3/19       1/19/11       3/19       1/19/11       3/19       1/19/11       3/19       1/19/11       3/19       1/19/11       3/19       1/19/11       3/19       1/19/11       3/19       1/13       3/11 <th< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>0000</td><td></td></th<>															0000	
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $	ŝ	<ol> <li>Datu Odin Sinsuat</li> </ol>	0	3,121	11,368	1,474	2	271	342	0	11,197	119,413	5,104	166	7,029	2
3. Price Contingency (10% of 1 & 2)       0       339       130       170       8       31       39       0       1.288       13.733       337       114         4. Total Direct Cost       0       3.946       14.381       1.805       8?       343       433       0       14.166       151.058       3.936       1.244         5. Indirect Cost       0       3.55       1.294       168       8       1       17       0       1.275       1339       333       113         6. Factation Supervision(4% of 4)       0       1.83       7.5       4       17       0       5.67       6.042       157       3.0         7. Construction Supervision(4% of 4)       0       1.83       7.3       3.7       4       17       0       5.77       3.0       3.13       1.13         7. Construction Supervision(4% of 4)       0       1.86       1.4       5.5       4       14       17       0       5.76       9.23       4.708       1.306       1.306       1.306       1.306       1.306       1.306       1.306       1.306       1.306       1.306       1.306       1.306       1.306       1.306       1.306       1.306       1.306		2. Physiscal Contingency(15% of 1))	0	468	1,705	221	11	41	51	0	1,680	17,912	466	149	394	0
T.Total Dreet Cost       0 $3.948$ $1.4.361$ $1.865$ $8.92$ $3.33$ $0$ $1.51/63$ $3.326$ $1.234$ 5       Indirect Cost       0 $335$ $1.294$ $1666$ $8$ $31$ $392$ $1.295$ $333$ $1.294$ $1.275$ $3.326$ $1.37$ $310$ 5       Indirect Cost       0 $1.35$ $7.3$ $7.5$ $7.3$ $7.5$ $8.32$ $1.247$ $8.05$ $3.35$		3. Price Contingency (10% of 1 & 2)	0	359	1,307	170	8	31	39	0	1,288	13,733	357	114	302	0
5. Indirect Cost       5.       1.204       166       8       31       39       0       1.275       13.595       353       11.3         6. Feasibility Study(DD (9% of 4)       0       335       1.204       166       8       31       37       4       11.7       30       0       1.275       13.595       353       11.3         7. Construction Supervision(4% of 4)       0       11.8       317       75       7       9       0       1.275       13.905       353       11.3         7. Construction Supervision(4% of 4)       0       11.8       317       76       9       0       1.275       13.905       333       13.91 <th< td=""><td></td><td>4. Total Direct Cost</td><td>0</td><td>3,948</td><td>14,381</td><td>1,865</td><td>89</td><td>343</td><td>433</td><td>0</td><td>14,164</td><td>151,058</td><td>3,926</td><td>1,254</td><td>3,325</td><td>0</td></th<>		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
$\begin{array}{c c c c c c c c c c c c c c c c c c c $		5 F. J	-													
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$		2. Indirect Cost		255	1 204	168	Q	15	30	0	1 275	13 505	353	113	209	0
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$		0. reasibility bill ULUNUMUC VIIII 4)			1,474	22	>	3	11		587	CV0'21	157	202	122	
S. Iraning(3% and 12%) $T_{26}$ for the form 12%) $T$		7 Construction Supervision (4% of 4)	2	8C1	C/C	ຊ:ະ¢	* 0	<i>*1</i>	13	2 <	100 I	18 177	127	027	200	
9. Total Indirect Cost       0       032 $L_53UI$ $296$ $I_4$ 03       09       0 $0.741$ $0.7,06$ $voz$ $0.72$ 10. Total Project Cost       0       4,579 $I6.68I$ $2,164$ $I03$ $398$ $502$ 0 $17706$ $188,822$ $4,908$ $1.567$ 1. Data Project Cost       0 $2,539$ 0 $2,339$ 0 $1013$ $22,995$ 0 $220$ 2. Physical Contingency( $15\% of 1$ )       0 $2,339$ 0 $331$ $313$ $313$ $313$ $421$ $32$ $0$ $2,339$ 0 $2,339$ 0 $2,33$ 3. Project Cost       0 $2,338$ 0 $0$ $123$ $449$ 0 $278$ 4. Total Drivect Cost       0 $2,338$ 0 $1,281$ $29,069$ $0$ $2564$ $0$ $278$ 5 Indurect Cost       0 $2,333$ $433$ $33$ $433$ $0$ $1,164$ $0$ $11$ 6 Fermilingender Cost       0 $2,517$ $0$ $1,286$ <td></td> <td>8. Training(3% and 12% for uroan &amp; rural)</td> <td></td> <td>1/0</td> <td>104</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>222</td> <td>17101</td> <td>100</td> <td>212</td> <td>100</td> <td></td>		8. Training(3% and 12% for uroan & rural)		1/0	104						222	17101	100	212	100	
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$		9. Total indirect Cost	0	632	2,301	298	. 14	ŝ	60	5	140,5	31,104	707	crc	100	5
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$		10.Total Project Cost	0	4,579		2,164	103	398	502	0	17,706	188,822	4,908	1,567	4,156	0
I. Datu Paglas       0       2,259       0       0       2,295       0       220,95       0       220,95       0       233       1       31       31       31       31       31       31       31       31       31       31       31       31       31       31       31       31       33       0       1/16       2,644       0       33       31       33       0       1/16       2,644       0       33       31       33       0       1/16       2,644       0       23       31       33       0       1/16       2,644       0       23       31       33       0       1/16       2,644       0       23       31       33       0       1/16       2,644       0       23       31       33       0       1/16       2,644       0       23       31       33       0       1/16       1/281       2,618       0       23       31       33       31       33       31       33       31       33       31       33       31       33       31       33       32       34       34       34       34       34       34       34       34       34       34 <td></td>																
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$	0	<ol> <li>Datu Paglas</li> </ol>	0	2,259	0	0	28	271	342	0	1,013	22,995	0	220	761	0
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$		2. Physiscal Contingency(15% of 1))	0	339	0	0	4	41	51	0	152	3,449	0	33	114	0
Total Direct Cost       0       2,858       0       0       33       433       0       1,281       29,089       0       278         Indirect Cost       0       2,858       0       0       1281       29,089       0       23         Indirect Cost       0       237       0       0       3       31       39       0       115       2,618       0       23         Feasibility Study/DD (9% of 4)       0       114       0       0       1       14       17       0       51       1,164       0       11       1         Construction Supervision(4% of 4)       0       114       0       0       1       14       17       0       51       1,164       0       33         Training(3% and 12% for urban & rural)       0       457       0       0       6       55       69       0       330       7,272       0       69       3491       0       33         Total indirect Cost       0       3,315       0       0       42       398       502       0       1,602       36,361       0       347         Total Indirect Cost       0       3,315       0       0		3. Price Contingency (10% of 1 & 2)	0	260	0	0	3	31	39	0	116	2,644	0	25	88	0
Indirect Cost		4. Total Direct Cost	0	2,858	0	0	36	343	433	0	1,281	29,089	0	278	963	0
Induced Cost $0$ $257$ $0$ $0$ $31$ $39$ $0$ $115$ $2,618$ $0$ $25$ Feasibility Study/DD (9% of 4) $0$ $114$ $0$ $31$ $39$ $0$ $115$ $2,618$ $0$ $25$ Construction Supervision(4% of 4) $0$ $0$ $1$ $14$ $17$ $0$ $51$ $1,164$ $0$ $31$ Training(3% and 12%) for urban & rural) $0$ $86$ $0$ $0$ $13$ $0$ $154$ $3,491$ $0$ $33$ Total indirect Cost $0$ $457$ $0$ $0$ $42$ $398$ $502$ $0$ $7,272$ $0$ $69$ Total indirect Cost $0$ $3,315$ $0$ $0$ $4,2$ $398$ $502$ $0$ $1,602$ $36,361$ $0$ $347$ Total indirect Cost $0$ $3,315$ $0$ $0$ $1,602$ $36,361$ $0$ $347$		6 T. J														
Teamuny curvestion (4% of 4)       0       114       0       0       1       14       17       0       51       1,164       0       11         Construction Supervision (4% of 4)       0       0       1       10       13       0       154       3,491       0       33         Training (3% and 12% for urban & rural)       0 $457$ 0       0       6       55       69       0       33       91       0       33         Total indirect Cost       0       3.315       0       6       55       69       0       160       33       347       0       347         Total indirect Cost       0       3.315       0       0       42       398       502       0       160       347         Total Project Cost       0       3.315       0       42       398       502       0       1.602       36.361       0       347		J. Huirect Cost 6 Formikiliky StudiyDD (0% of 4)	0	257	0	0	~	31	39	0	115	2.618	0	25	87	0
$\begin{array}{ c c c c c c c c c c c c c c c c c c c$		0. reastoring Dinustration (2700) 7)		114	0	0		14	17	0	51	1.164	0	11	39	0
Total indirect Cost       0       457       0       0       6       55       69       0       7272       0       69         Total indirect Cost       0       3,315       0       0       42       398       502       0       1,602       36,361       0       347		1 CONSTRUCTION Super VISION (7 / 0 0) +)		y a	, c	, ,		. 9	13		154	3 401	0		116	0
Total Project Cost     0     3,315     0     0     42     398     502     0     1,602     36,361     0		6. Training(276 and 1276 for urban ex rutal) 0 Trial indirect Cost	0	457	0	<u> </u>	0	<u>, 5</u>	69		320	7.272	0	6	241	0
$\begin{array}{ c c c c c c c c c c c c c c c c c c c$		2. 10tu: thurt cot 0001				,										
			0	3,315	0	0	42	398	502	0	<i>I</i> ,602	36,361	0	347	1,204	0
	C					1	Ċ									С
		v (2					)									)

Municipality         Event Area         Contract Control of the contr		Appendix Table 9.3. 4 Total Investment Costs (P x 1,000)- breakdown -Phase I	(P x 1,000)	- breakdo	wn -Phase	Ţ										
Municipality         Municipality         Reserve were served protector were and prot					-	-		Phase	1 (2005-2	010) Requ	irement					
Induction of the Flux         Solution of the flux         Solutio		Municipality	111	1 (Dear of All C (Dear of All C		rban Area							kural Area			
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $		wuntcrpatity		ater Suppi	X		Sanit				Water Suj		a statistica de la construcción de	Sanii	ation	
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $				reconcention19.00744-	Level 1	HH Flush	HH Pour Flush		12.15.11.110.01	Level III	Level II	Level I	HH	HH Pour	Public Set of	Public
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $	~		20,220	0	.0.	448	0	. 390	342		c	27.736		1991		
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $		2. Physiscal Contingency(15% of 1))	3,033	0	0	67	0	59	51	0	0	4.160	) o	25		
4 food Direct Cost         25,379         0         9 (36)         0         9.4         433         0         0         3,305         0         20         0         0         3,105         0         20         0         2         0         2         0         2         0         2         0         2         0         2         0         3,105         0         0         3,105         0         2         0         2         0         2         0         2         0         2         0         2         0         2         0         2         0         2         0         2         0         2         0         2         2         0         2         0         2         0         2         0         2         0         2         0         2         0         2         0         2         0         2         0         2         0         2         0         2         0         2         2         0         2         2         0         2         2         0         2         2         2         2         2         2         2         2 <th2< th="">         2         <th2< th=""> <th< td=""><td></td><td>3. Price Contingency (10% of 1 &amp; 2)</td><td>2,325</td><td>0</td><td>0</td><td>51</td><td>0</td><td>45</td><td>39</td><td>0</td><td>0</td><td>3,190</td><td>00</td><td>61</td><td>0 0</td><td>0 0</td></th<></th2<></th2<>		3. Price Contingency (10% of 1 & 2)	2,325	0	0	51	0	45	39	0	0	3,190	00	61	0 0	0 0
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $		4.Total Direct Cost	25,579	0	0	566	0	494	433	0	0	35,085	0	210	0	0
6         Famility Study(D) (%s(s), 1)         2.912         0         9         51         0         0         3.158         0         19         0         19         0         1         0         1         0         0         3.158         0         19         0         19         0         19         0         1         0         2.302         0         2.302         0         2.313         0         2.33         2.33         0         2.33         2.33         2.33	-	5. Indirect Cost														
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $		6. Feasibility Study/DD (9% of 4)	2.302	0	0	15	0	44	30	0	V	2 150				<
8. Training/S6 and 12% for whom $\delta$ ranch)         737         0         17         0         15         13         0         4.210         0         23         0         23         0         23         0         23         0         23         0         23         0         23         23         0         23		7 Construction Supervision(4% of 4)	1,023	0	0	23	0	20	17	0	0	1 403		~ ~		
3. Total indiract Coart $4.03$ $0$ $9.1$ $0$ $5.7$ $5.9$ $5.7$		8. Training(3% and 12% for urban & rural)	767	0	0	17	0	15	13	0	0	4,210	0	25	0	0
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$		9. Total indirect Cost	4,093	0	0	16	0	29	69	0	0	8,771	0	53	0	0
1         Data Statif. $0$ <th< td=""><td></td><td></td><td>29,671</td><td></td><td>÷ e</td><td>657</td><td>0</td><td>573</td><td>502</td><td>0</td><td>U</td><td>43 857</td><td>0</td><td>363</td><td></td><td></td></th<>			29,671		÷ e	657	0	573	502	0	U	43 857	0	363		
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$														<b>C</b> 0.*	>	
2. Plystrad Contrigency(15% of (1))       0       0       0       0       0       0       0       0       307       3002       0       24       41         Three Contingency(15% of (1)       0       0       0       0       0       0       0       0       0       233       3302       0       24       41         7. Price Contingency(15% of 1 & 2.)       0       0       0       0       0       0       0       0       233       3302       0       24       41         5. Infineer Coart       0       0       0       0       0       0       0       233       2302       0       24       41         6. Fatability SindyDD (9% of 4)       0       0       0       0       0       0       0       233       2303       0       23       41       14         7. Outstrandien Supervision(9% of 4)       0       0       0       0       0       0       0       0       23       353       0       23       353       14       14       14       14       14       14       14       14       14       14       14       14       14       14       14       14<	\$		0	0	0	0	0	0	0	0	2.401	26.107	C	212	098	672
3. Price Contingency (10% of 1 & 2)       0       0       0       0       276       3,002       0       24       41         4. Total Direct Cost       0       0       0       0       2,012       3,002       0       268       456       -         5. Indirect Cost       0       0       0       0       0       2,012       1,321       1,321       0       11       1       1         5. Indirect Cost       0       0       0       0       0       0       1,321       3,032       0       2,4       41       1         5. Indirect Cost       0       0       0       0       0       0       123       2,972       0       2,4       41       1         7. Total Indirect Cost       0       0       0       0       0       0       0       2,4       11,4       1       11,4       1         8. Training       7 and indirect Cost       0       0       0       0       0       3,035       0       2,4       4,1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1		2. Physiscal Contingency(15% of 1))	0	0	0	0	0	0	0	0	360	3,916	0	32	54	51
4. Total Direct Cost         0		3. Price Contingency (10% of 1 & 2)	0	0	0	0	0	0	0	0	276	3,002	0	24	41	39
		4. Total Direct Cost	0	0	0	0	0	0	0	0	3,037	33,026	0	268	456	433
6. Feasibility Study(DD (9% of 4))         0         0         0         0         233         2972         0         11         18           7. Construction Supervision(4% of 4)         0         0         0         0         121         1,321         0         11         18           7. Construction Supervision(4% of 4)         0         0         0         0         0         121         1,321         0         11         18           9. Total Inducer Cost         0         0         0         0         0         0         356         0         375         355         0         375         55		5. Indirect Cost		-												
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $		6. Feasibility Study/DD (9% of 4)	0	0	0	0	0	0	0	0	773	1 070				0,
3 Training(36 and 12% for urban & rural) $0$ $0$ $0$ $0$ $0$ $0$ $3$ <th< td=""><td></td><td>7 Construction Supervision(4% of 4)</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>101</td><td>11217</td><td></td><td>11</td><td>41</td><td>20</td></th<>		7 Construction Supervision(4% of 4)	0	0	0	0	0	0	0	0	101	11217		11	41	20
3. Total Indirect Cost $0$ $0$ $0$ $0$ $0$ $739$ $8.256$ $0$ $67$ $114$ $10. Total Project Cost$ $0$ $0$ $0$ $0$ $0$ $0$ $0$ $0$ $0$ $0$ $0$ $10. Total Project Cost$ $0$ $0$ $0$ $0$ $0$ $0$ $0$ $0$ $339$ $570$ $334$ $570$ $1. Total Unsay000000003301,504034402. Physiccal Contingency (13% of 1)00000003301,50400343. Price Contingency (13% of 1)00000003301,504003. Price Contingency (13% of 1)00000003301,504003. Price Contingency (10% of 1 & 2)00000003301,504005. Factor Cost000000003470005. Factor Different Cost000000000005. Factor Different Cost00000000000$		8. Training(3% and 12% for urban & rural)	0	0	0	0	0	0	0	0	364	3.963	0	32	55	52
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$		9. Total indirect Cost	0	0	0	0	0	0	0	0	759	8,256	0	22	114	108
$ \begin{array}{l c c c c c c c c c c c c c c c c c c c$		10.Total Project Cost	0	0	0	0	0	0	0	0	3,796	41,282	0	334	570	541
Physiscal Contingency(15% of 1)         0         <	0	/. Datu Unsav	c	c	C	C	c	c	C	C	7107	10.005	<	L CC	4	
Price Contingency (10% of 1 & 2)00000002531,1530340Iotal Direct Cost0000000037303730Indirect Cost0000000037303730Indirect Cost0000000037303730Feasibility Study/DD (9% of 4)0000000340340Training(3% and 12% for urban & rural)00000001115070150Training(3% and 12% for urban & rural)0000000099161616Training(3% and 12% for urban & rural)000000093331,5220450Total indirect Cost0000000093700930Total Project Cost000000009315,85104570Total Project Cost0000000009374715,85104570		2. Physiscal Contingency(15% of 1))	0	 0	0	<u>, 0</u>	-0	0	<u>^</u> 0	° O	330	1 504		CK7		542
Indirect Cost         0         0         0         0         2.779         12,681         0         373         0           Indirect Cost         1		3. Price Contingency (10% of 1 & 2)	0	0	0	0	0	0	0	0	253	1.153	0	34	<u> </u>	30
Indirect CostIndirect CostIndir		4. Total Direct Cost	Ö	0	0	0	0	0	0	0	2,779	12,681	0	373	0	433
Feasibility Study/DD (9% of 4)         0         0         0         0         0         0         0         250         1,141         0         34         0         0         201           Construction Supervision(4% of 4)         0         0         0         0         0         111         507         0         15         0         0         15         0         15         0         15         0         15         0         15         0         15         0         15         0         15         0         15         0         15         0         15         0         15         0         15         0         15         0         15         0         15         0         15         0         15         0         15         15         0         15	·····	5. Indirect Cost		-									f			
Construction Supervision (4% of 4)       0       0       0       0       0       0       111       507       0       15       0       0       15       0       0       0       0       15       15       0       15       0       15       15       0       15       15       15       0       15       15       0       15<		6. Feasibility Study/DD (9% of 4)	0	0	0	0	0	0	0	0	250	1,141	0	34	0	39
Iraining(3% and 12% for urban & rural)     0     0     0     0     0     0     45     0       Total indirect Cost     0     0     0     0     0     0     0     93     1,522     0     45     0       Total indirect Cost     0     0     0     0     0     0     0     93     93     1,522     0     45     0       Total indirect Cost     0     0     0     0     0     0     93     93     0       Total Project Cost     0     0     0     0     0     74     15,851     0     467     0		7 Construction Supervision(4% of 4)	0	0	0		- `	· 0	0	0	111	507	0	15	0	17
Total indirect Cost     0     0     0     0     0     0     0     0     0     0       .Total Project Cost     0     0     0     0     0     0     0     0     0     0	<u> </u>	8. Training(3% and 12% for urban & rural)	0	0	0	0	0	0	0	0	333	1,522	0	45	0	52
0         0         0         0         0         0         0         3,474         15,851         0         467         0	<del></del>	9. Total indirect Cost	0	0	0	0	0	0	0	0	695	3,170	0	93	0	108
		10.Total Project Cost	0	0	0	0	0	0	0	0	3,474	15,851	0	467	10	541
															, ,	;  

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Municipality         Chien Area         Othen Area         Chien Area         Samutation         And Area         And	Manuality         The function of the function						Phase	Phase I (2005-2010) Requirement	10) Requi	rement					
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $	Municipality				Jrban Area							ural Area			
Chen, S, K, Pendelin         Foreball         Pointice         Second	$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$	Municipality	Water St			Sanit				Water Sup	ply		a Sanit	ation	155:04
I. Gen: S. K. Penden         0 $3.21$ $2.825$ 0 $120$ $2.460$ $0.66$ $1.260$ $2.800$ 0 $663$ $1.260$ $2.800$ 0 $663$ $2.800$ 0 $693$ $2.800$ 0 $693$ $2.800$ 0 $693$ $2.800$ 0 $693$ $2.800$ 0 $693$ $2.800$ 0 $693$ $2.800$ 0 $693$ $2.800$ 0 $693$ $2.800$ 0 $693$ $2.800$ 0 $693$ $2.800$ 0 $693$ $2.900$ $2.9$	I. Gan. S. K. Pendum         0         3.211         2.821         0         100         173         2.92         0         1326         0         66         0		Level III Level	II Level 1	1000		Public School	Public Utilities	Level III	Level II	396 (1) C (2) C	HH Flush	HH Pour Flush	Public School	Public Utilities
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $	$ \begin{array}{c c c c c c c c c c c c c c c c c c c $			2	8		1	342	0	6,840	17,869	0	462	464	0
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $	$ \begin{array}{c c c c c c c c c c c c c c c c c c c $	· ·				18	41	51	0	1,026	2,680	0	69	70	0
		3 Price Contingency (10% of 1 & 2)	<u> </u>	-		14	31	39	0	787	2,055	0	53	53	0
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $	$ \begin{array}{c c c c c c c c c c c c c c c c c c c $	4.Total Direct Cost	1	3		152	343	433	0	8,653	22,604	0	585	587	0
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $	$ \begin{array}{c c c c c c c c c c c c c c c c c c c $						1								
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $	$ \begin{array}{c c c c c c c c c c c c c c c c c c c $	5. Indirect Cost					1	, ( ,				¢	ŝ	:	c
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $	$ \begin{array}{c c c c c c c c c c c c c c c c c c c $	6. Feasibility Study/DD (9% of 4)		-	0	14	31	39	0	6/1	2,034	0 0	<u>у</u>	<u>у</u>	
8. Training(35) and 135/for when it. Trund)       0       123       107       33       107       103       2.713       0       146         9. Total Indirect Cost       0       6.64       577       0       24       35       6.61       2.1133       5.651       0       146         9. Total Indirect Cost       0       4.741       4.145       0       177       398       500       0       2.133       5.551       0       7.31         10. Total Project Cost       0       0       0       0       0       0       0       0       3.633       0       2.733       0       2.73         10. Total Project Cost       0       0       0       0       0       0       0       0       3.633       0       2.733       0       2.73       0       2.73         11. Total Project Cost       0       0       0       0       0       0       0       0       3.633       0       2.73       0       2.73         11. Total Project Cost       0       0       0       0       0       0       0       0       2.73       0       2.73         12. Total Intert Cost       0       0	8. Training/Stand 12% for whom & trend)         0         123         107         33         103         2713         0         703         273         0         703         273         0         703         703           9. Total infinest Cast         0         654         372         0         744         4,453         0         743         0         703         233         213         0         731         734           1. Containing/Stand Total         0         744         4,453         0         743         0         733         0         731         734           1. Containent Cast         0         0         0         0         0         0         0         0         0         0         731         734         0         733         231 <td>7 Construction Supervision(4% of 4)</td> <td></td> <td></td> <td>0</td> <td>6</td> <td>]4</td> <td>17</td> <td>0</td> <td>346</td> <td>904</td> <td>0</td> <td>23</td> <td>23</td> <td>0</td>	7 Construction Supervision(4% of 4)			0	6	]4	17	0	346	904	0	23	23	0
g Total indirect Cast $0$ $64$ $572$ $0$ $24$ $55$ $60$ $24$ $561$ $0$ $146$ $10$ Tradi Project Cost $0$ $74$ $4,45$ $0$ $177$ $398$ $502$ $0$ $2335$ $0$ $2343$ $0$ $2343$ $0$ $2343$ $0$ $2343$ $0$ $2343$ $0$ $2343$ $0$ $2343$ $0$ $2343$ $0$ $2343$ $0$ $2343$ $0$ $2343$ $0$ $2343$ $0$ $2343$ $0$ $2343$ $0$ $2343$ $0$ $2343$ $0$ $2343$ $0$ $2343$ $0$ $2343$ $0$ $236$ $0$ $2343$ $0$ $2343$ $0$ $2343$ $0$ $2343$ $0$ $236$ $2343$ $0$ $2343$ $0$ $2343$ $0$ $2343$ $0$ $2343$ $0$ $2343$ $0$ $2343$ $0$ $2343$ $0$	9         Tade indirect Cast         0         634         572         0         24         55         651         0         146         147           10         Total indirect Cast         0 $4741$ $4155$ 0 $177$ 398         502         0 $0281$ 0 $271$ $273$ $271$ $273$ 1         1         0         0         0         0         0         0         0 $2731$ $273$ $271$ $2731$ 1         7         1         0         0         0         0         0         0         2314         0         251         20         2314         0         271         231           1         7         1         0         0         0         0         0         0         0         2334         0         271         231	8. Training(3% and 12% for urban & rural)			0	5	10	13	0	1,038	2,713	0	70	70	0
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$	Intendentingen         Intendentingent	9. Total indirect Cost			0	24	55	69	0	2,163	5,651	0	146	147	0
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$	$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$				•		000			10.01	220.00		731	101	
1. Guindhingan         0         0         0         0         0         0         0         0         0         0         0         0         2348         0         235         235         235         235         <	1         0	10.Total Project Cost	+	4	>	11	040	700	>	10,010	LU2'07	>	10/	+01	
1. Protecontingency (15% of (1))         0         0         0         0         0         0         0         0         3.43         0         3.33           3. Prise Contingency (15% of (1))         0         0         0         0         0         0         0         3.43         0         27           3. Prise Contingency (15% of (1))         0         0         0         0         0         0         3.43         0         3.43         0         27           5. Freasibility Study(D)         0         0         0         0         0         0         0         3.448         0         376           5. Freasibility Study(D)         0         0         0         0         0         0         0         3.448         0         376           6. Training(3% of 1)         0         0         0         0         0         0         0         0         3.448         0         376           7         10. Training(3% of 1)         0         0         0         0         0         0         0         125         0         125           8. Training(3% of 1)         0         3.43         0         0         0	1. Protection         0				0		C	C	0	C	30.288	c	234	1.475	342
Topstead contingency (Tseq) (1 & 2)         0         0         0         0         0         0         0         235         0         275           A Total Direct Cost         0         0         0         0         0         0         0         38,314         0         236           5 Indirect Cost         0         0         0         0         0         0         0         38,314         0         236           6 Feasibility Study(DD (9%of 1, & 2))         0         0         0         0         0         0         0         38,314         0         236           7 Construction Supervision (9%of 1, & 2)         0         0         0         0         0         0         0         38,314         0         236           7 Construction Supervision (9%of 1, & 2)         0         0         0         0         0         0         0         38,314         0         236           7 construction Supervision (9%of 1, 2)         0         0         0         0         0         0         0         37,33         0         262           10. Total Project Cost         0         0         0         0         0         0         0	$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$						<sup>°</sup>	) c	, o		A 542	2	35	100	15
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$	$ \begin{array}{c c c c c c c c c c c c c c c c c c c $	2. Physiscal Contingency (17% of 1))	> c					<i>, c</i>	ò	0	3 483	0	22	170	39
n from Direct Cost $n$	n from threet cost $n$	. Trice contingency (10/00) 1 (2 - 2)						, c		0	38 314	0	206	1 866	433
S. Indirect Cost	S. Indirect Coart         S. Inditet Coart         S. Inditet Coart	4.1 Otal Direct Cost	>							>					
6. Feasibility Study/DD (9% of 4)         0         0         0         0         0         0         0         0         3.448         0         1233         0         123           7 Construction Supervision(4% of 4)         0         0         0         0         0         0         0         0         36         0         123         0         123           7 Construction Supervision(4% of 4)         0         0         0         0         0         0         0         0         36         0         123         36           9. Total Project Cost         0         0         0         0         0         0         0         36         37         0         37         0         370         370           10. Total Project Cost         0         3,548         617         0         60         163         312         37         0         313         0         373         0         370         370         370         370         370         370         370         370         370         370         370         370         373         0         373         0         373         370         373         370         370         <	6         Facility Study(DD (9% 0 4))         0	5. Indirect Cost													
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $	$ \begin{array}{c c c c c c c c c c c c c c c c c c c $	6. Feasibility Study/DD (9% of 4)	0		0	0	0	0	0	0	3,448	0	27	168	39
8. Training(3% and 12%)or whan & rural)       0       0       0       0       0       0       0       0       0       0       36         9. Total indirect Cost       0       0       0       0       0       0       0       0       0       36       0       36         9. Total indirect Cost       0       0       0       0       0       0       0       9.579       0       370         10. Total Project Cost       0       0       0       0       0       0       0       0       9.579       0       370         11. Tabuntalan       0       33       617       0       60       1084       342       0       0       2.737       0       370         2. Physical Contingency (15% of 1)       0       332       93       0       0       0       0       0       3.132       0       332         3. Price Contingency (15% of 1, $\&$ 2)       0       4.488       780       0       71       433       0       0       3.455       0       3.32         3. Price Contingency (10% of 1, $\&$ 2)       0       4.488       780       0       7.123       333       0       0	8. Training(3% and 12% for urban & rural)       0       0       0       0       0       0       0       0       0       36       234         9. Total indirect Cost       0       0       0       0       0       0       0       0       36       234       467         9. Total indirect Cost       0       0       0       0       0       0       0       9.579       0       74       467         10.Total indirect Cost       0       0       0       0       0       0       0       9.579       0       71       0       233       303         1. Kaluntalan       2. Physical Contingency (13% of 1)       0       3.348       617       0       0       0       0       0       2.32       30       2.33       30       0       2.435       0       2.43       2.33         2. Physical Contingency (10% of 1.& 2)       0       3.435       0       0       3.435       0       2.445       0       3.75       0       3.75       0       3.75       0       3.75       0       3.75       0       3.75       0       3.75       0       3.75       0       3.75       0       0       <	7 Construction Supervision(4% of 4)	0		0	0	0	0	0	0	1,533	0	12	75	17
9. Total Indirect Cost $0$ <t< td=""><td>9. Total indirect Cost       0</td></t<> <td>8. Training(3% and 12% for urban &amp; rural)</td> <td>0</td> <td></td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>4,598</td> <td>0</td> <td>36</td> <td>224</td> <td>52</td>	9. Total indirect Cost       0	8. Training(3% and 12% for urban & rural)	0		0	0	0	0	0	0	4,598	0	36	224	52
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$	$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$	9. Total indirect Cost	0		0	0	0	0	0	0	9,579	0	74	467	108
i. Kabuntalan $0$ $3,548$ $617$ $0$ $60$ $1,084$ $342$ $0$ $0$ $2,7,237$ $0$ $262$ $2. Physiscal Contingency(15% of 1)$ $0$ $3,32$ $93$ $0$ $9$ $163$ $51$ $0$ $0$ $4,986$ $0$ $392$ $3. Price Contingency(10% of 1 & 2)$ $0$ $4,08$ $71$ $0$ $7$ $123$ $39$ $0$ $0$ $3,132$ $0$ $332$ $3. Price Contingency(10% of 1 & 2)$ $0$ $4,38$ $780$ $0$ $7$ $123$ $39$ $0$ $0$ $3,1455$ $0$ $332$ $4.7 Jaid Direct Cost$ $0$ $4,488$ $780$ $0$ $7$ $123$ $39$ $0$ $0$ $3,1455$ $0$ $332$ $5. Indirect Cost$ $0$ $4,488$ $780$ $0$ $7$ $123$ $0$ $0$ $1,372$ $0$ $310$ $0$ $310$ $0$ $0$ $1,378$ $0$ $0$ $1,378$ $0$ $0$ $1,378$	I. Kabumtalan $0$ $3,548$ $617$ $0$ $60$ $1, 084$ $342$ $0$ $0$ $2,7,237$ $0$ $262$ $2,023$ $2. Physiccal Contingency(15% of 1)$ $0$ $532$ $93$ $0$ $9$ $163$ $51$ $0$ $0$ $27,237$ $0$ $293$ $333$ $3. Price Contingency(15% of 1)$ $0$ $448$ $71$ $0$ $7$ $123$ $916$ $0$ $27,337$ $0$ $39$ $333$ $333$ $333$ $333$ $333$ $333$ $333$ $333$ $333$ $333$ $332$ $333$ $332$ $3333$	10 Total Project Cast	0		0	0	0	0	0	0	47,893	0	370	2,333	541
I. Kabuntalan       0 $3,548$ $617$ 0       60       1,084       342       0       0 $27,237$ 0 $262$ 2. Physical Contingency( $15\% of(1)$ )       0 $532$ $93$ 0 $9$ $163$ $51$ 0 $4,086$ 0 $332$ 3. Prize Contingency( $15\% of(1)$ )       0 $4,88$ $71$ 0 $7$ $125$ $39$ 0       0 $3,455$ 0 $332$ 3. Frice Contingency( $10\% of(1, \&, 2)$ )       0 $4,488$ $780$ 0 $75$ $1,371$ $433$ 0 $3,455$ 0 $332$ 4. Total Direct Cost       0 $4,488$ $780$ 0 $75$ $1,371$ $433$ 0 $3,455$ 0 $332$ 4. Total Direct Cost       0 $4,04$ $70$ $0$ $7$ $1,33$ $0$ $0$ $3,455$ $0$ $3,455$ $0$ $3,455$ $0$ $3,455$ $0$ $3,455$ $0$ $3,455$ $0$ $3,455$ $0$ $3,455$ $0$ $0$ $1,35$ $0$	1. Kabumtalan       0 $3,548$ $617$ 0 $60$ $1,064$ $342$ 0 $0$ $27,237$ 0 $262$ $2,023$ $303$			_								-			
2. Physical Contingency( $15\% of(1)$ )       0       532       93       0       6       0       4,036       0       332       0         3. Frice Contingency( $10\% of(1 \& 2)$ )       0       408       71       0       7       125       33       0       0       3,132       0       332         4. Total Direct Cost       0       4,488       780       0       75       1,371       433       0       0       3,455       0       332       0         5. Indirect Cost       0       4,488       780       0       75       1,371       433       0       0       3,455       0       332       0       332       0       332       0       332       0       332       0       332       0       332       0       332       0       332       0       0       0       34,455       0       332       0       0       0       34,455       0       332       0       0       0       34,455       0       332       0       0       0       0       13       0       0       0       13       0       0       0       13       0       0       0       13       0       0	2. Physiscal Contingency(136 of 1)       0       532       93       0       9       163       51       0       0       4,086       0       39       303         3. Frice Contingency(136 of 1 & 2)       0 $408$ 71       0       7       125       39       0       0       3,132       0       332       2,359         3. Frice Contingency (10% of 1 & 2)       0 $4,488$ 780       0       73       1,371       433       0       0       3,455       0       332       2,539         5. Indirect Cost       0       4,48       70       0       7       123       39       0       0       3,455       0       332       2,539         5. Indirect Cost       0       404       70       0       7       123       39       0       0       3101       0       332       2,539         6. Fonsthilty Study/DD (9% of 4)       0       180       31       0       0       0       34,455       0       307       303         8. Training(3% and 12% of when $\& rural)       0       180       3       3       3       3       3       3       3       3       3       3       $					60	1,084	342	0	0	27,237	0	262	2,023	0
3. Price Contingency (10% of 1 & 2)       0       408       71       0       7       125       39       0       0       3,132       0       30       30       30       31	3. Price Contingency (10% of 1 & 2)       0       408       71       0       7.12       39       0       0       3,132       0       30       233         4. Total Direct Cost       0       4,488       780       0       75       1,371       433       0       0       3,455       0       332       2,559         5. Indirect Cost       0       404       70       0       7       123       39       0       0       3,455       0       332       2,559         5. Indirect Cost       0       404       70       0       7       123       39       0       0       3,455       0       332       230 <t< td=""><td>· · · ·</td><td></td><td></td><td></td><td>9</td><td>163</td><td>51</td><td>0</td><td>0</td><td>4,086</td><td>0</td><td>39</td><td>303</td><td>0</td></t<>	· · · ·				9	163	51	0	0	4,086	0	39	303	0
4. Total Direct Cost       0 $4,488$ 780       0       75 $1,371$ 433       0       0 $34,455$ 0       332         5. Indirect Cost       5. Indirect Cost       6       6       7       123       33       0       0 $34,455$ 0       332       1         6. Feasibility Study/DD (9% of 4)       0       180       31       0       7       123       39       0       0       1,378       0       30       13         7 Construction Supervision(4% of 4)       0       180       31       0       3       31       0       3       13       13         7 Construction Supervision(4% of 4)       0       180       31       0       2       41       13       0       0       4,137       0       40       13         9. Total indirect Cost       0       7       12       219       69       0       0       4,135       0       40       13       13         9. Total indirect Cost       0       5,206       905       0       8,614       0       13       13       13       13       13       13       14       15       14       15	4. Total Direct Cost       0       4,488       780       0       75       1,371       433       0       0       34,455       0       332       2,559         5. Indirect Cost       5. Indirect Cost       0       44       70       0       7       123       39       0       0       31,61       0       332       2,30         6. Feasibility Study/DD (9% of 4)       0       404       70       0       7       123       39       0       0       3,101       0       30       230         7 Construction Supervision(4% of 4)       0       180       7       123       39       0       0       1,378       0       30       230         7 Total indirect Cost       0       180       7       123       39       0       0       0       133       102         9. Total indirect Cost       0       718       123       0       12       219       69       0       0       310       0       30       440       310       102       102       102       102       102       102       102       102       102       102       102       102       102       102       102       10	3. Price Contingency (10% of 1 & 2)				7	125	39	0	0	3,132	0	30	233	0
5. Indirect Cost       5. Indirect Cost       6. Feasibility Study(DD (9% of 4))       0       404       70       0       7       123       39       0       0       3,101       0       30       13         7. Construction Supervision(4% of 4)       0       180       31       0       7       123       39       0       0       1,378       0       130         7. Construction Supervision(4% of 4)       0       135       23       0       2       41       13       0       0       1,378       0       40         8. Training(3% and 12% for urban & rural)       0       135       23       0       12       219       69       0       0       4,135       0       40         9. Total indirect Cost       0       5,206       905       0       87       1,591       502       0       43,069       0       415         10.Total Project Cost       0       5,206       905       0       87       1,591       502       0       415       0       415         9. Total indirect Cost       0       5,206       905       0       8,614       0       415       0       415         10.Total Project Cost <td< td=""><td>5. Indirect Cost       5. Indirect Cost       6. Feasibility Study/DD (9% of 4)       0       404       70       0       7       123       39       0       0       3.101       0       30       130       230         6. Feasibility Study/DD (9% of 4)       0       180       31       0       7       123       39       0       0       1,378       0       13       230         7 Construction Supervision(4% of 4)       0       180       31       0       2       41       13       0       0       1,378       0       102       102         9. Training(3% and 12% for urban &amp; rural)       0       718       125       0       12       219       69       0       0       8,614       0       83       640         9. Total indirect Cost       0       5,219       69       0       0       0       8,614       0       83       640         10. Total Project Cost       0       5,219       0       61       0       61       61       3,199       640       640       640       640       640       640       640       640       640       640       640       640       640       640       640       64</td><td>4. Total Direct Cost</td><td></td><td></td><td></td><td>75</td><td><i>I,371</i></td><td>433</td><td>0</td><td>0</td><td>34,455</td><td>0</td><td>332</td><td>2,559</td><td>0</td></td<>	5. Indirect Cost       5. Indirect Cost       6. Feasibility Study/DD (9% of 4)       0       404       70       0       7       123       39       0       0       3.101       0       30       130       230         6. Feasibility Study/DD (9% of 4)       0       180       31       0       7       123       39       0       0       1,378       0       13       230         7 Construction Supervision(4% of 4)       0       180       31       0       2       41       13       0       0       1,378       0       102       102         9. 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       5,219       69       0       0       0       8,614       0       83       640         10. Total Project Cost       0       5,219       0       61       0       61       61       3,199       640       640       640       640       640       640       640       640       640       640       640       640       640       640       640       64	4. Total Direct Cost				75	<i>I,371</i>	433	0	0	34,455	0	332	2,559	0
T mutuation Construction Supervision(4% of 4)       0 $404$ $70$ 0       7       123       39       0       0 $3.101$ 0 $30$ $13$ 6. Feasibility Study/DD (9% of 4)       0 $180$ $31$ 0 $3$ $55$ $17$ 0       0 $1.378$ 0 $13$ 7 Construction Supervision(4% of 4)       0 $180$ $31$ $0$ $3$ $55$ $17$ $0$ $0$ $1.378$ $0$ $13$ $30$ $13$ 7 Construction Supervision(4% of 4)       0 $135$ $23$ $0$ $2$ $41$ $13$ $0$ $4$ $13$ $0$ $4$ $13$ $0$ $13$ $0$ $4$ $13$ $0$ $13$ $0$ $13$ $0$ $13$ $0$ $13$ $0$ $13$ $0$ $13$ $0$ $13$ $0$ $13$ $0$ $13$ $0$ $13$ $0$ $13$ $0$ $13$ $0$ $13$ $0$ $13$ $0$ $13$ $0$ $13$ $0$ $13$	T murror Construction Supervision (4% of 4)       0       404       70       0       7       123       39       0       0       3,101       0       30       230       230         6. Feasibility StudyIDD (9% of 4)       0       180       31       0       3       55       17       0       0       13       230       230         7 Construction Supervision(4% of 4)       0       135       23       0       2       41       13       0       0       1,378       0       40       307       102         8. Training(3% and 12% for urban & rural)       0       718       125       0       12       219       69       0       0       4,135       0       40       307         9. Total indirect Cost       0       5,216       905       0       87       1,591       502       0       415       3,199         9. Total Project Cost       0       5,2206       905       0       8,514       0       415       3,199         10. Total Project Cost       0       5,2206       905       0       6,31       0       415       3,199	5 Indiront Cost													
7 Construction Supervision(4% of 4)       0       180       31       0       3       55       17       0       0       1,378       0       1         7 Construction Supervision(4% of 4)       0       135       23       0       2       41       13       0       0       4,135       0       40       40         8. Training(3% and 12% for urban & rural)       0       718       125       0       12       219       69       0       0       8,614       0       83         9. Total indirect Cost       0       718       125       0       87       1,591       502       0       69       0       8,614       0       83         9. Total indirect Cost       0       5,206       905       0       87       1,591       502       0       0       43,069       0       415         10. Total Project Cost       0       5,206       905       0       87       1,591       502       0       0       415       15	7 Construction Supervision(4% 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       40       307         8. Training(3% and 12% for urban & rural)       0       718       125       0       12       219       69       0       4,135       0       40       307         9. Total indirect Cost       0       718       125       0       12       219       69       0       640       83       640         9. Total indirect Cost       0       5,206       905       0       87       1,591       502       0       43,069       0       415       3,199         10. Total Project Cost       0       5,206       905       0       87       1,591       502       0       43,069       0       415       3,199	6. Forsihility Study/DD (9% of 4)				2	123	39	0	0	3,101	0	30	230	0
8. Training(3% and 12% for urban & rural)       0       135       23       0       2       41       13       0       0       4,135       0       40         9. Total indirect Cost       0       718       125       0       12       219       69       0       0       8,614       0       83         9. Total indirect Cost       0       5,206       905       0       87       1,591       502       0       43,069       0       415         10. Total Project Cost       0       5,206       905       0       87       1,591       502       0       43,069       0       415	8. Training(3% and 12% for urban & rural)       0       135       23       0       2       41       13       0       4,135       0       40       307         9. Total indirect Cost       0       718       125       0       12       219       69       0       8,614       0       83       640         9. Total indirect Cost       0       5,206       905       0       87       1,591       502       0       43,069       0       415       3,199         10. Total Project Cost       0       5,206       905       0       87       1,591       502       0       43,069       0       415       3,199	7 Construction Supervision(4% of 4)	<u> </u>			3	55	17	0	0	1,378	0	13	102	0
9. Total indirect Cost       0       718       125       0       12       219       69       0       8,614       0       83         9. Total indirect Cost       0       5,206       905       0       87       1,591       502       0       43,069       0       415         10. Total Project Cost       0       5,206       905       0       87       1,591       502       0       43,069       0       415	9. Total indirect Cost       0       718       125       0       12       219       69       0       8,614       0       83       640         9. Total indirect Cost       0       5,206       905       0       87       1,591       502       0       43,069       0       415       3,199         10. Total Project Cost       0       5,206       905       0       87       1,591       502       0       0       43,069       0       415       3,199			 	<u> </u> 	2	41	13	0	0	4,135	0	40	307	0
10. Total Project Cost 0 0 5,206 905 0 87 1,591 502 0 43,069 0 415 10. Total Project Cost 0 0 43,069 0 415 0 10. Total Project Cost 0 0 10 10 10 10 10 10 10 10 10 10 10 10	10.Total Project Cost     0     5,206     905     0     87     1,591     502     0     43,069     0     415     3,199					12	219	69	0	0	8,614	0	83	640	0
		10 Total Provisor Cost				87	1.591	502	0	0	43.069	0	415	3.199	0
		10.10111110000			_										
						C									
		9 02				フ									)

L	Appendix Table 9.3. 4 Total Investment Costs (P x 1,000)- breakdown -Phase I	s (P x 1,000	- breakd	own -Phase	I										
							Phase	: I (2005-	Phase I (2005-2010) Requirement	uirement					
	Minimitia.				Urban Area				]			Rural Area			
_	INTUINCIPALITY	~	Water Supply	<u>VIV</u>		Sani	Sanitation			Water Supply			Part and a second s	Sanitation	生活があるとないが、
		Level III	Lovel II	Level J	HH Fluck	HHI-Pour Educt	Public	Public	Level	I Level II	Level 1	HH	HH Pour	1	Public
-	13   I. Mamasapano	С	C	846	U IIIII	2 IISUIT	100100					Flus	Flush	ŝ	Utilities
	2. Physiscal Contingency(15% of 1))		°   c	5to		- -	1/7	24c	_	5,1/4	14,638	0	105	541	0
	3 Price Continueum (1002 of 1.2.3)	> <	5	171	0	~ `	41	51	0	566	2,196	0	16	81	0
	4 Total Direast Cost	5	0	1.620 .	0		31	39	0	434	1,683	0	12	62	0
	T.1. VIAL DI CCI COSI	5	0	1,070	0	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		37	30	0	430	1 447	-	2		
	7 Construction Supervision(4% of 4)	0	0	43	0	0	14	11		101	182		71	70	
	8. Training(3% and 12% for urban & rural)	0	0	32	0	0	10	13	0	573	222		7	17	2 0
	9. Total indirect Cost	0	0	121	0	1	55	69	0	1,194	4,629	0	33	121	20
	10.Total Project Cost	0	0	1.242	0	7	308	502	0	5 058	781 66				
										00/12	041.62		007	000	0
41		0	0	0	0	26	271	342	С	6,325	7.752	C	167	PLC L	C
	2. Physiscal Contingency(15% of 1))	0	0	0	0	4	41	51	0	646	1.163	0	25	485	> 0
	3. Price Contingency (10% of 1 & 2)	0	0	0	0	3	31	39	0	727	892	0	61	372	0
	4.10tal Direct Cost	0	0	0	0	33	343	433	0	8,001	9,807	0	212	4 002	
	5. Indirect Cost	4 			ł							:			>
_	6. Fearihility Study/DD (0% of A)				C										
	7 Construction Summission (100, 17)	> <	5	» (	2	با دیر	31	39	0	720	883	0	19	368	0
	8 Training 202 and 1907 for which a 10	5	> <	» (	5		14	17	0	320	392	0	∞.	164	0
	9. Total indirect Cost		5	0	5	~	10	13	0	960	1,177	0	25	164	0
_		5	5	0	5	5	55	69	0	2,000	2,452	0	53	1,023	0
	10.Total Project Cost	0	0	0	0	38	398	502	0	10,001	12,258	0	264	5,114	0
15		0	0	0	0	0	0	C	18 618	C	31 188	507	0110	1 210	4
	2. Physiscal Contingency(15% of 1))	0	0	0	0	0	0	0	2,793	0	4.678	70	67	1,417	242
	3. Price Contingency (10% of 1 & 2)	0	0	0	0	0	0	0	2,141	0	3.587	19	52	071	30
	4. Iolal Direct Cost	0	0	0	0	0	0	0	23,551	0	39,453	667	567	1.542	433
	5. Indirect Cost														
	6. Feasibility Study/DD (9% of 4)	0	0	0	0	0	0	0	0 1 20		2 551	00		001	
	7 Construction Supervision(4% of 4)	0	0	0	0	0	0	0	942	0	1.578	00	73	139	39
	8. Training(3% and 12% for urban & rural)	0	0	0	0	0	0	0	2,826	0	4.734	80	C3 83	185	11
	9. Total indirect Cost	0	0	0	0	0	0	0	5,888	0	9,863	167	142	385	108
	10.Total Project Cost	0	0	0					00, 00						, , ,
		>		5	5	5	0	0	29,439	0	49,316	834	708	1,927	541
		_													

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Appendix Table 9.3. 4 Total Investment Costs (P x 1,000) - breakdown -Phase I	hase I	
Appendix Table 9.3. 4 Total Investment Costs (P x 1,000)- breakd	d- nwo	
Appendix Table 9.3. 4 Total Investment Costs (P x 1,000).	· breakd	
Appendix Table 9.3. 4 Total Investment Costs (P x	(1,000)-	
Appendix Table 9.3. 4 Total Investment Cos	sts (P x	
Appendix Table 9.3. 4 Total Investme	ent Cos	
Appendix Table 9.3. 4 Total I	nvestme	
Appendix Table 9.3.	4 Total I	
Appendix 7	Table 9.3.	
	Appendix 7	-

							Phase I (2005-2010) Requirement	(2005-20	10) Requi	rement					
	£			5	Urban Area							Rural Area			ł
	Municipality	W:	Water Supply	<u> </u>		Sanit	Sanitation			Water Supply	oly		Sani		
		Level III	Level II	Level 1	HH Flush	HH Pour Flush	Public School	Public Utilities	Level III	Level II	Level I	HH Flush	HH Pour Flush	Public School	Public Utilities
2	/ Pacalimean	16,009	0	1,396	1,942	1	271	342	0	0	32,530	0	1,008	854	0
2		2,401	0	209	291	8	41	51	0	0	4,880	0	151	128	0
	3 Price Contingency (10% of 1 & 2)	1,841	0	191	223	6	31	39	0	0	3,741	0	116	98	0
	4. Total Direct Cost	20,251	0	1,766	2,456	63	343	433	0	0	41,151	0	1,275	1,080	0
	6 F. Jane Cont														
	D. Indirect Cost 6 Eggesthilth: Study/DD (0% of 4)	1.823	0	159	221	6	31	39	0	0	3,704	0	115	97	0
	7 Construction Supervision(4% of 4)	810	0	71	98	3	14	17	0	0	1,646	0	51	43	0
	8 Troining 3% and 12% for urban & rural)	608	0	53	74	2	01	13	0	0	4,938	0	153	130	0
	9. Total indirect Cost	3,240	0	282	393	01	55	69	0	0	10,288	0	319	270	0
	10. Total Project Cost	23,492	0	2,048	2,849	74	398	502	0	0	51,438	0	1,594	1,351	0
12	/ 1. Paglat	0	0	0	0	0	0	0	0	0	7,078	0	57	271	342
		0	0	0	0	0	0	0	0	0	1,062	0	6	41	51
_	3. Price Contingency (10% of 1 & 2)	0	0	0	0	0	0	0	0	0	814	0	~	3/	39
	4. Total Direct Cost	0	0	0	0	0	0	0	0	0	8,954	0	73	343	433
	5. Indirect Cost										100			-	20
	6. Feasibility Study/DD (9% of 4)	0	0	0	0	0	0	0	0	<u>,</u>	800	<u>،</u> د	<u>`</u>	2	<u>ک</u> :
	7 Construction Supervision(4% of 4)	0	0	0	0	0	0	0	0:	0	358	0	~ ·	14	11
	8. Training(3% and 12% for urban & rural)	0	0	0	0	0	0	0	0	0	1,074	0	6	41	52
	9. Total indirect Cost	0	0	0	0	0	0	0	0	0	2,239	0	18	86	108
	10 Total Durisort Post	0	0	0	0	0	0	0	0	0	11,193	0	16	429	541
	10.1.01411110.004														
/8	8 1. Parang	15,413	2,421	56,817	2,128	164	542	342	0	0	87,047	657	311	550	
		2,312	363	8,522	319	25	81	51	0	0	13,057	98	47	82	0
	3. Price Contingency (10% of 1 & 2)	1,773	278	6,534	245	61	62	39	0	0	10,010	76	36	63	5
	4. Total Direct Cost	19,498	3,063	71,873	2,692	208	686	433	0	0	110,114	831	393	696	0
	5 Tudiward Cont								_						
	5. Huurett Cost K Fansihility Study/DD (0% of 4)	1.755	276	6.469	242	61	62	39	0	0	9,910	75	35	63	0
	7 Construction Sumervision(4% of 4)	780	123	2.875	108	8	27		0	0	4,405	33	16	28	0
	8 Trainino(3% and 12% for urban & rural)	585	92	2,156	81	6	21	13	0	0	13,214	100	47	83	0
	9. Total indirect Cost	3,120	490	11,500	431	33	011	69	0	0	27,529	208	98	174	0
	10 Total Protent Cost	22.618	3.553	83.373	3.123	241	795	502	0	0	137,643	1,038	492	869	0
	10.10mir. tuyen voor														
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				Urban Arca							Pural Aran			
Municipality	Ň	Water Supply				Sanitation			Water Supply				Canifation	
	Level III	Level II	Level 1	HH	HH Pour	0.992,0443	Public	of aval ITI		T could I	HH	HH Pour	Public	Public
10 1 Shariff Acush	arrest and	<		Flush	Flush	School	Utilities	0000	00004.111	T ISAST I	Flush	Flush	School	Utilities
		>¦<	038	-	0	0	342	12,544	3,073	18,333	1,677	422	405	0
2. Diversional Contingency (1.2% of 1))	7	0	0		0	0	51	1,882	461	2,750	252	63	19	0
5. Frice Contingency (10% of 1 & 2)		0	0	170	0	0	39	1,443	353	2,108	193	49	47	
4.1 otal Direct Cost	6	0	0	1,872	0	0	433	15,868	3,888	23,191	2,122	534	513	0
5. Indirect Cost														
6. Feasibility Study/DD (9% of 4)		0	0	160	0	0	30	0671	250					
7 Construction Supervision(4% of 4)	0	0	0	75	0		12	- 1,440	251	100'7	191	48	40	0
8. Training(3% and 12% for urban & rural)	0	0	0	56	0	0	13	1 904	297	783	536	17	17	00
9. Total indirect Cost	I	0	0	300	0	0	69	3.967	526	5 708	530	133	70	5
10 Terri Busical Card										n////			071	>
10.10141119661 0031		0	0	2,172	0	0	502	19,835	4,860	28,989	2,652	667	641	0
20 I. South Upi	15.297	0	11.100	1 200	* 61	C	517				-			
2. Physiscal Contingency(15% of 1))	2,295	0	1,665	180	50	0	51	0	0	10,01		430	362	0,
cy (10% of 1 & 2)		0	1,276	138	7	0	30	0	<sup>°</sup>	27017		*	+0	5 (
4. Total Direct Cost	19,351	0	14,041	1,518	27	0	433	0	0	99.721		247 544	42	
													0.64	>
5. Frasibility Study/DD (9% of 4)	CF2 1	, ,	1761	137	r			.						
7 Construction Supervision(4% of 4)	7271	0	407'I	101	~ ~	0	25		0	8,975	0	49	41	0
8. Training(3% and 12% for urban & mual)	581		107	5	<u>،</u> ار	\$ °			2	3,989	0	22	18	0
9. Total indirect Cost	100 2		174	40	7	0	13	0	0	11,966	0	65	55	0
	nkn'c	>	2,241	243	12	0	69	0	0	24,930	0	136	115	0
10. Total Project Cost	22,447	0	16,288	1,761	89	0	502	0	0	124,651	0	680	573	0
21 1. Sultan Kudarat	-		517				010							
2. Physiscal Contingency (15% of 1))	> 0		710	1,100	> <	>	342	7,068	1,284	53,724	4,159	829	1,797	0
3. Price Contingency (10% of 1 & 2)	0		0,05	107		5	10	001,1	193	8,059	624	124	270	0
4. Total Direct Cost			124	1 205	5		2	200	148	6,178	478	95	207	0
	>	\$	+00	0461	>	2	453	101'6	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	0	39	873	146	6117	473	10	205	
/ Construction Supervision(4% of 4)	0	0	26	56	0*	* 0*	× 17	388	65	2.718	210	67	10	
6. Iraining(5% and 12% for urban & rural)	0	0	20	42	0	0	13	1,164	195	8.155	631	126	273	
y. 10tat matreet Cost	0	0	105	223	0	0	69	2,425	406	16,990	1,315	262	568	0
10. Total Project Cost	0	0	759	1,619	0	0	502	12,126	2,031	84,952	6.576	1311	110 0	

Comprehensive Basic Survey of the Autonomous Region in Muslim Mindanao Water Supply and Sanitation Sector: Province of Maguindanao

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							Phase	Phase I (2005-2010) Requirement	10) Requi	rement					
					Urban Area						H	Rural Area			
	Municipality	Wa	Water Supply			Sanitation	ation			Water Supply			San!	Sanitation Sanitation	
		Level III	Level II	Level 1	HH Flush	HH Pour Flush	Public	Public Utilities	Level III	Level II	Level I	HH	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. Physiscal 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			-											
	6. Feasibility Study/DD (9% of 4)	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	26	165	108
	10.Total Project Cost	0	0	0	0	0	0	0	0	4,239	26,117	0	486	825	541
23		0	3,831	767	0	183	813	342	0	0	33,479	0	1,028	1,277	0
	2. Physiscal Contingency(15% of 1))	0	575		0	27	122	51	0	0	5,022	0	154	192	0
	3. Price Contingency (10% of 1 & 2)	<i><sup>°</sup></i>	441	88	» د	17	y3 ' 222	55	0	) ¢	3,850	0	118	147	0
	4. Total Direct Cost	0	4,840	970	0	. 232	1,028	433	0	0	42,351	0	1,301	1,615	0
	5. Indirect Cost						- And a second								
	6. Feasibility Study/DD (9% of 4)	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
<del>7</del> 7	1. Ialayan 2 Physiscol Contingency (15% of 1)	- 0 - 0	30%	217		10	1/7	542 51		1,230	20,583		067	860	
	3. Price Contingency (10% of 1 & 2)	0	305	166	0	7	31	39	0	144	3.034	0	34	66	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														
	6. Feasibility Study/DD (9% of 4)	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	æ		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	161	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
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Comprehensive Basic Survey of the Autonomous Region in Muslim Mindanao Water Supply and Sanitation Sector: Province of Maguindanao

Page 14 of 24

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· .							Phase	I (2005-2	Phase I (2005-2010) Requirement	irement					
					Urban Arca						. –	Rural Arca			
	Municipality		Water Supply	<u>)</u> 		🐑 🖓 Sani	Sanitation			Water Supply	S. S	2005		Sanitation	
					HH	HH Pour		@Pithlic@						1 20	88 <b>0</b> .4112
		Level III	Level III Level II	Level 1	Flush	Flush	Section 2	CONSTR.	Level III	Level II	Level I	Fluch	Elneh	Cohool	Thilitian
1	25 /. Talitay	0	0	~0~sg	0	0	0	C	C	c	33 180		SVV		347
	2. Physiscal Contingency(15% of 1))	0	0	0	0	0	0	0	) o		4 07R		C++	4,0/0	242
_	3. Price Contingency (10% of 1 & 2)	0	0	0	0	0	0	0	, 0	, o	3 817	0	15	770	20
	4. Total Direct Cost	0	0	0	0	0	0	0	0	0	41.983		563	5 1 50	433
							1			· · · · · · · · · · · · · · · · · · ·				1010	, ,
	D. Indirect Cost											•	· ·	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	t i
	6. Feasibility Study/DD (9% of 4)	0	0	0	0	0	0	0	0	0	3,779	0	51	464	39
	/ 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	89	610	
	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		¢	C	<	<	<	(					
			>	5	>	5	»	2	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	C
	2. Physiscal Contingency(15% of 1))	2,114	0	0	0	9	4]	51	0	0	7,419	0	19	260	0
	3. Price Contingency (10% of 1 & 2)	1,621	0	0	0	5	31	39	0	0	5.688	0	44	202	0
	4. Total Direct Cost	17,832	0	0	0	55	343	433	0	0	62,564	0	5/3	2,272	0
	5. Indirect Cost														
	6. Feasibility Study/DD (9% of 4)	1,605	0	0	0	5	31	39	0	0	5.631	0	УF	<i>PUC</i>	C
	7 Construction Supervision(4% of 4)	713	0	0	0	2	14	17	0	0	2.503	0	21	107	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	Q	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	679	2 830	0
	Provicial Total	154,058	51,764	128,685	14,747	1,589	8,924	9.535	96.075	84.377	1.434.120	16.008	16.251	K8 356	2 702
			11							1	07761.0264	10,000	104,01	00000	00/,6

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Autricipatity         Autricipatity <th c<="" th=""><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th>Phat</th><th>sc II (2010-</th><th>Phase II (2010-2015) Requirement</th><th>urement</th><th></th><th></th><th></th><th></th><th></th></th>	<th></th> <th></th> <th></th> <th></th> <th></th> <th></th> <th></th> <th>Phat</th> <th>sc II (2010-</th> <th>Phase II (2010-2015) Requirement</th> <th>urement</th> <th></th> <th></th> <th></th> <th></th> <th></th>								Phat	sc II (2010-	Phase II (2010-2015) Requirement	urement					
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $						Urban Area							Rural Area				
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$		Municipality	'n	fater Supply	×	-	Sanit	tation			Water Supl	۶ly		Sani	itation		
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $			Level III	Level II	Level I	HH Flush	HH Pour Flush	Public School	Public Utilities	Level III	Level II	Level I	HH Flush			Public Utilities	
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $	F	Ampatuan	0	1,576	727	0	103	271	342	15,952	6,401	33,527	609	427	301	0	
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $	10	Physiscal Contingency(15% of 1))	0	236	601	0	15	41	51	2,393	960	5,029	16	64	45	0	
	1 00	Price Contingency (10% of 1 & 2)	0	181	84	0	12	31	39	1,835	736	3,856	70	49	35	0	
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $	4	.Total Direct Cost	0	1,993	919	0	130	343	433	20,180	8,097	42,412	111	540	380	0	
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $																	
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $	<u>~!</u> ~	i, Indirect Cost Foreihility Study/DD /0% of 4)	0	179	83	0	12	31	39	1.816	729	3,817	69	49	34	0	
3. Traning (756 out (126, 6) under d. rang.) $0$ $32$ $12$ $2,242$ $922$ $65$ $46$ $9.$ Traning (756 out (126, 6) $0$ $319$ $147$ $0$ $31$ $32$ $2,212$ $1001$ $339$ $93$	2	1. I customery Duray D. (170 9.1)	0	80	37	0	5	14	17	807	324	1,696	31	22	15	0	
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	~ ~	Training (3% and 12% for urban & rural)	0	60	28	0	4	10	13	2,422	972	5,089	92	65	46	0	
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $	101	. Total indirect Cost	0	319	147	0	21	55	69	5,045	2,024	10,603	193	135	95	0	
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$	<u> </u>	0.Total Project Cost	0	2,312	1,067	0	151	398	502	25,225	10,121	53,015	963	675	476		
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $	·	1. Barita	0	196	0	0	104	271	342		346	28,205		279			
3. Price Contingency (10% of 1 & 2)       0       110       0       12       31       33       43       3244       0       32       26         4. Total Direct Cost       0       12/15       0       13/1       343       43       35,079       0       33       26         5. Friee Contingency (10% of 1       0       12/15       0       12/15       0       12/15       0       13/1       24       1       0       33       26       34       28       26       24       24       24       24       24       24       24       24       24       24       24       24       24       24       24       26       26       26       26       26       26       26       26		7. Physiscal Contingency(15% of 1))	0	144	0	0	16	41	51	0	. 52	4,231	0	42	34	-	
4. Total Direct Cost $0$ $1,215$ $0$ $1,215$ $0$ $1,31$ $3,36,79$ $0$ $35,679$ $0$ $35,679$ $0$ $35,679$ $204$ $204$ 5. Inducet Cost $   -$ <td< td=""><td><u>1</u> m</td><td>3. Price Contingency (10% of 1 &amp; 2)</td><td>0</td><td>110</td><td>0</td><td>0</td><td>12</td><td>31</td><td>39</td><td>0</td><td>40</td><td>3,244</td><td>0</td><td>32</td><td>26</td><td></td></td<>	<u>1</u> m	3. Price Contingency (10% of 1 & 2)	0	110	0	0	12	31	39	0	40	3,244	0	32	26		
	1 4	4. Total Direct Cost	0	1,215	0	0	181	343	433	0	438	35,679	0	354	284	_	
6 Feasibility Study/DD (9% of 4)         0         100         0         12         31         32         321         0         33         1         32         26         32         26         33	143	5. Indirect Cost		-													
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $	<u>,                                    </u>	5. Feasibility Study/DD (9% of 4)	0	109	0	0	12	31	39	0	39	3,211	0	32	26		
8. Training(3% and 12% for urban & rural)       0       36       0       0       4       10       13       0       53       4.281       0       42       34         9. Total indirect Cost       0       194       0       21       35       69       0       19       8.220       0       44.399       0       44.399       0       44.3		7 Construction Supervision(4% of 4)	0	49	0	0	2	14	17	0	18	1,427	0	14	11	_	
9. Total Indirect Cost01940021556901008,92008871410. Total Indirect Cost01,41000152338502064.599044.599044.599044.599044.599044.599044.599044.599044.599044.599044.599044.599044.599044.599044.599066.7382.33052.382.310.4023.323.3021.433.319.91067.930066951010.987.382.310.4010.310.4010.310.4010.4	1-2	8. Training(3% and 12% for urban & rural)	0	36	0	0	4	10	13	0	53	4,281		42	34		
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$	1~1	9. Total indirect Cost	0	194	0	0	71	55	69	0	109	8,920		88	12		
I. Buldon $I.$ Buldon $0$ $1,80$ $2.594$ $0$ $139$ $271$ $342$ $16,794$ $0$ $53,700$ $0$ $572$ $8$ $2.$ Physiscal Contingency( $15% of 1$ ) $0$ $284$ $389$ $0$ $21$ $41$ $51$ $2,519$ $0$ $8,055$ $0$ $86$ $1$ $3.$ Price Contingency( $10% of 1$ & 2) $0$ $217$ $298$ $0$ $176$ $343$ $433$ $21,245$ $0$ $6,175$ $0$ $66$ $4.$ Total Direct Cost $0$ $2,391$ $3,282$ $0$ $176$ $343$ $433$ $21,245$ $0$ $6,174$ $0$ $66$ $10$ $5.$ Indirect Cost $0$ $2,391$ $3,282$ $0$ $176$ $343$ $433$ $21,245$ $0$ $6,174$ $0$ $66$ $10$ $5.$ Indirect Cost $0$ $2,391$ $3,282$ $0$ $166$ $31$ $39$ $21,245$ $0$ $6,114$ $0$ $67,930$ $0$ $66$ $10$ $5.$ Indirect Cost $0$ $216$ $343$ $21,245$ $0$ $6,114$ $0$ $273$ $10$ $6.$ Facastbility StudyDD (9% of 4) $0$ $216$ $31$ $32$ $21,245$ $0$ $6,114$ $0$ $6,114$ $0$ $6,114$ $0$ $6,114$ $0$ $6,114$ $0$ $6,114$ $0$ $6,114$ $0$ $6,114$ $0$ $6,114$ $0$ $6,114$ $0$ $6,114$ $0$ $6,114$ $0$ $0$ $10$ $10$ $10$ <	<u> </u>	10. Total Project Cost	0	1,410	0	0	152	398	502	0	547	44.599		442	355		
2. Physiccal Contingency(15% of 1)) $0$ $284$ $389$ $0$ $21$ $41$ $51$ $2.519$ $0$ $8.055$ $0$ $865$ $1$ $3$ . Price Contingency(10% of 1 & 2) $0$ $217$ $298$ $0$ $166$ $31$ $39$ $1,931$ $0$ $6,073$ $0$ $66$ $3$ . Price Contingency(10% of 1 & 2) $0$ $2.391$ $3.282$ $0$ $176$ $343$ $433$ $21,245$ $0$ $6,073$ $0$ $66$ $4$ . Total Direct Cost $0$ $2.391$ $3.282$ $0$ $176$ $343$ $433$ $21,245$ $0$ $6,7930$ $0$ $723$ $1,0$ $5$ . Indirect Cost $0$ $2.15$ $0$ $176$ $343$ $433$ $21,245$ $0$ $6,114$ $0$ $273$ $1,0$ $5$ . Indirect Cost $0$ $215$ $295$ $0$ $16$ $31$ $39$ $1,912$ $0$ $6,114$ $0$ $6,114$ $6$ . Feasibility Study/DD (9% of 4) $0$ $215$ $295$ $0$ $16$ $31$ $17$ $350$ $0$ $6,114$ $0$ $6,114$ $0$ $6,114$ $6$ . Feasibility Study/DD (9% of 4) $0$ $72$ $98$ $0$ $16$ $112$ $10$ $10$ $128$ $0$ $6,114$ $0$ $6,114$ $0$ $6,114$ $6$ . Feasibility Study/DD (9% of 4) $0$ $213$ $295$ $0$ $236$ $0$ $2,174$ $2,29$ $0$ $2,124$ $0$ $2,124$ $0$ $6,124$ $0$ <td></td> <td>1. Buldon</td> <td>0</td> <td>1,890</td> <td></td> <td></td> <td>139</td> <td>271</td> <td>342</td> <td><u> </u></td> <td></td> <td>53,700</td> <td></td> <td>572</td> <td></td> <td></td>		1. Buldon	0	1,890			139	271	342	<u> </u>		53,700		572			
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$		2. Physiscal Contingency(15% of 1))	0	284	389		21	41	51	2,519	-	8,055		86			
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$	1.1	3. Price Contingency (10% of 1 & 2)	0	217	298	0	16	3/	39			6,175		66			
udy/DD (9% of 4)021529501631391.91206.114065Supervision(4% of 4)09613107141785002.717029Supervision(4% of 4)072980510132.54908.152029and 12% for urban & rural)0729802855695.31108.1520871t Cost02.7743.80702859505.311016,98301812t Cost02.7743.80707.043985022.6.55608.491309041.3	<u> </u>	4. Total Direct Cost	0	2,391	3,282	0	176	343	433	21,245		67,930		723			
udy/DD (9% of 4)         0         215         295         0         16         31         39         1,912         0         6,114         0         65           Supervision(4% of 4)         0         96         131         0         7         14         17         850         0         6,114         0         65           Supervision(4% of 4)         0         72         98         0         5         10         13         2,549         0         8,152         0         87         1           and 12% for whan & rural)         0         383         525         0         28         5,311         0         8,152         0         87         1           Cost         0         2,74         3,807         0         28         5,311         0         16/93         0         181         2           t Cost         0         2,774         3,807         0         28         502         26,556         0         8,4913         0         164         1,3	1-3	5. Indirect Cost														1	
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$		6. Feasibility Study/DD (9% of 4)	0	215	295	0	16	31	39		1	6,114		65			
$\begin{array}{ c c c c c c c c c c c c c c c c c c c$		7 Construction Supervision(4% of 4)	0	96	131		2	14	- 17			2,717		29			
$\begin{array}{ c c c c c c c c c c c c c c c c c c c$		8. Training(3% and 12% for urban & rural)	0	72	98		S	10	13			8,152		- 87		0	
0 2,774 3,807 0 204 398 502 26,556 0 84,913 0 904 1	1	9. Total indirect Cost	0	383	- 525	0	. 28	. <u>5</u> 5	69		0	16,983	·	181			
		10.Total Project Cost	0	2,774	3,807		204	398	502	<u> </u>		84,913	t	904			
												ŀ					

Comprehensive Basic Survey of the Autonomous Region in Muslim Mindanao Water Supply and Sanitation Sector: Province of Maguindanao 6.

<ul> <li>4 1. Bultuan</li> <li>4 2. Physiscal Contingency(15% of 1))</li> <li>3. Price Contingency (10% of 1 &amp; 2)</li> </ul>						Pha	1se II (2010	Phase II (2010-2015) Requirement	litement					
<u>, cilw</u>	•			Urban Area				have (						
- 101 m		11						_			Rural Arca			
- 101 m		water Supply	Å.		Sani	Sanitation			Water Supply	ıply		San	Sanitation	
- <u> ~</u> [m]	Level III	Level II	Level I	HH Flush	HH Pour Flirsh	Public School	Public Tistica	Level III	Level II	Level I	HH Flush	HH F		Public
2. Physiscal Contingency(15% of 1)) 3. Price Contingency (10% of 1 & 2)	5.874	C		2001				1				Flush	School	Utilities
3. Price Contingency (10% of 1 & 2)	881			(77,1	> <	-) (	342	5,380	0	18,711	0	475	11	0
	100	5	-	184	0	0	51	807	0	2,807	0	12	1	
4. Total Direct Cost	10/0	> <	> °	141	0	0	39	619	0	2,152	0	55		
	1641	2	0	1,550	0	0	433	6,805	0	23,670	0	109	13	
5. Indirect Cost					-								2	
6. Feasibility Study/DD (9% of 4)	640	V		061	(									
7 Construction Supervision(4% of 4)	200		5	159	0	0	39	612	0	2,130	0	54		0
8. Training(3% and 12% for urban & rural)	127		5	20	0	0	17	272	0	947	0	24		
9. Total indirect Cost	0011	2	5	40	0	0	/3	817	0	2,840	0	72	2	0
	x07'7	2	5	248	0	0	69	1,701	0	5,917	0	150	<b>~</b>	0
10.Total Project Cost	8.620	0	0	1 709		0								°
				1,170	>	2	70C	8,507	0	29,587	0	751	17	0
5 1. Datu Odin Sinsuat	0	1.024	813	1 357	עצ	-								
2. Physiscal Contingency(15% of 1))	0	154	122	200	3	1/7	542		3,674	91,426	2,893	930	1,317	0
3. Price Contingency (10% of 1 & 2)		011	771	CN7	07	41	5/	0	551	13,714	434	140	197	0
4. Total Direct Cost	) C	1 206	1000	(C)		75	39	0	423	10,514	333	107	151	0
		(17.1	070'1	1'/10	82	343	433	0	4,648	115,654	3,660	1.177	1.666	0
5. Indirect Cost														
6. Feasibility Study/DD (9% of 4)	0	117	03	151	-	16	ç						_	
7 Construction Supervision(4% of 4)	0	6		107	、。	2	95	0	418	10,409	329	106	150	0
8. Training(3% and 12% for urban & rural)	0	30	12	07	~ (	4	12	0	186	4,626	146	47	67	0
9. Total indirect Cost	, 0	202	10	16	7 :	01	13	0	558	13,878	439	141	200	0
		174	607	4/7	5	ŝ	69	0	1,162	28,913	915	294	416	0
10.10tal Project Cost	0	1.503	1,193	1,984	95	398	502	0	5 810	144 667	141			
								>	010'0	100,441	C/C'+	1,471	2,082	0
	0	729	291	0	55	271	342	0	338	13 181		100		
2 D Conungency(13% of 1))	0	109	44	0	8	4]	51	0	15	2 5 7 2		C74	197	0
3. Frice Contingency (10% of 1 & 2)	0	84	33	0	0	31	39	, e	;  ©	102 6		64	42	0
4.10tal Direct Cost	0	923	368	0	02	343	433	, 0	170	10/ 2	>	49	32	0
5 Indiana Cast								<u> </u>	- 074	\$7.100		537	356	0
5. Indirect Cost				:	-	1						-	-	
$\frac{0. \ reasion in y}{7}$	0	83	33	0	0	31	39	0	30	N74		-		
Construction Supervision (4% of 4)	0	37	15	0	÷	14	17	- 0	17	1 1 2 2	2 5	40	25	0
o. 11anung(5% and 12% for urban & rural)	0	28	11	0	7	10	13	. 0		2 2 2 2	- · ·	17	4	0
y. 101al mairect Cost	0	148	59	0	- 11	55	69		107		> <	04	43	0
10 Total Project Cost								, ,		1,44/	5	134	80	0
1.0.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1	0	1,070	427	0	81	398	502	0	535	37 135		~~~		

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	Appendix Table 9.3. 4 Total Investment Costs (F X 1,000)- Dreakuown	(F X 1,000)	- DI CANU	0 1/1 1/ 1/ 1/ 1/ 1/ 1/ 1/ 1/ 1/ 1/ 1/ 1/	-Phase II		Phas	Phase II (2010-2015) Requirement	015) Reaui	rement					
					Urban Arca							Rural Arca			
	Municipality	M	Water Supply			Sanitation	ation			Water Supply	Ŋ		Sani	Sanitation	
	• •	Level III	Level II	Level 1	HH Flush	HH Pour Flush	Public School	Public Utilities	Level III	Level II	l lova, l	1111 Flush	HH Pour Plush	Public School	Public Utilities
~	/ Datu Piano	001.9	0	0	252	0	0	342	0	0	27,957	0	93	167	0
<	7. Dunieral Contingencul [ 5% of [ ])	915	0	0	38	0	0	51	0	0	4,194	0	14	25	0
	3. Price Contingency (10% of 1 & 2)	701	0	0	29	0	0	39	0	0	3.215	0	11	61	0
	4. Total Direct Cost	2,716	0	0	319		0	433	0	0	35,365	0	118	212	0
	5 Indirect Cost														
	6 Forsihility Study/DD (9% of 4)	694	0	0	29	0	0	39	0	0	3,183	0	П	19	0
	7 Construction Supervision(4% of 4)	309	0	0	13	0	0	17	0	0	1,415	0	5	8	0
	8 Trainino(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
			1	<	270		0	503	ď	c	200 77	0	148	265	0
	10.Total Project Cost	166,8	0	5	3/0	>	5	700		>	107'11				
c	/ Dati Saudi	C	c	c	0	0	0	0	0	624	26,383	0	133	167	342
0	1. Datu Jauni 2 Physicsof Contingencul [5% of [])	° O	<u> </u>	0	0	0	0	0	0	94	3,957	0	20	25	51
	2. Price Continuency (10% of 1 & 2)	0	0	0	0	0	0	0	0	72	3,034	0	15	19	39
	4. Total Direct Cost	0	0	0	0	0	0	0	0	789	33,374	0	168	212	433
	5. Indirect Cost	,	•		<			•	-	11	PUU 2	0	15	6/	39
	6. Feasibility Study/DD (9% of 4)	> .	。   •	5			5			62	1 225		-		17
	7 Construction Supervision (4% of 4)	0	<u> </u>		0	0	0	0	0	95	4,005		20	25	52
	8. Iraining(5% and 12%) for urban & rural) 0 Total indiract Cost	0	0	0	0	0	0	0	0	197	8,343	0	42	53	108
	7. 10141 mun ect 0031									200	616.18		010	296	175
	10.Total Project Cost	0	0	2		>	5	5	5	002	11/14	>			
0	/ Dati Unsav	0	0	Ó	0	0	0	0	0	557	10,134	0		0	342
\	2. Physiscal Contingency(15% of 1))	0	0	0	0	0	0	0	0	84	1,520	0	52	0	51
	3 Price Contingency (10% of 1 & 2)	0	0	0	0	0	0	0	0	64	1,165	0	40	0	39
	4.Total Direct Cost	0	0	0	0	0	0	0	0	704	12,820	0	435	0	433
	5. Indirect Cost <u> </u>	0	0	0	0	0	0	0	0	63	1,154	0	39	0	39
	7 Construction Supervision(4% of 4)	0	0	;0	0	0	0	0	0	28	513			0	17
	8. Training(3% and 12% for urban & rural)	0	0	0	0	0	0	0	0	85	1,538			0	52
	9. Total indirect Cost	0	0	0	0	0	0	0	0	176	3,205	0	601	0	108
	10 Total Profest Cost	0	0	0	0	0. //	0	0	0	880	16,025	0	544	0	THE STATE
Ů		1													\$

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							Pha	Phase II (2010-2015) Requirement	2015) Requ	irement					
	::				Urban Area	в						Rural Area			
	Municipality		Water Supply	ıly		Sani	Sanitation			Water Supply	ly		Sani	Sanitation	
ľ		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 Fluch	Public School	Public Heliefoe
07	1. Gen. S. K. Pendatun	0	948	3,163	0	177	0	342	0	2,007	18,963	0	(8)	374	
	2. Physiscal Contingency(15% of 1))	0	142	474	0	27	0	51	0	301	2,844	0	102	56	
	3. Price Contingency (10% of 1 & 2)	0	109	364	0	20	0	39	0	231	2,181	0	78	£\$	0
	4.1 of al Direct Cost	0	661'1	4,001	0	224	0	433	0	2,539	23,988	0	862		0
	5. Indirect Cost														
í.	6. Feasibility Study/DD (9% of 4)	0	108	360	0	20	0	39	0	229	2,159	0	78	43	0
	7 Construction Supervision(4% of 4)	0	48	160	0	9	0	17	0	102	960	0	34	61	0
	8. Training(3% and 12% for urban & rural)	0	36	120	0	7	0	13	0	305	2,879	0	103	57	0
·	9. Total indirect Cost	0	192	640	0	36	0	69	0	635	5,997	0	215	118	0
	10.Total Project Cost	0	1,391	4,641	0	260	0	502	0	3,174	29,985	0	1,077	591	0
- 11	I. Guindulungan	0	C								01276				
<u>.                                    </u>	2. Physiscal Contingency [ 5% of [))		0		, ,				> (		010,40		400	411	342
<u></u>	3. Price Contingency (10% of 1 & 2)	0	0	0	0	0	00	00	0	00	5,177 2.060	0	09	62	12
	4. Total Direct Cost	0	0	0	0	0	0	0			13 666		0.4	/+	20 5
								,	>		000.01	>	000	070	CC4
-1	3. Indirect Cost														
~!`	0. Feasibility Study/DD (9% of 4)	0	0	0	0	0	0	0	0	0	3,929	0	46	47	39
-1-	/ Construction Supervision(4% of 4)	0	0	0	0	0	0	0	0	0	1,746	0	20	21	17
~1~	0. Iraining(3%0 and 12%0 for urban & rural) 0. Total indiant Cont	ő	0	0	0	0	0	0	0	0	5,239	0	61	62	52
<u>.                                    </u>	2. 10tul mutrect Cost	<i>o</i>	0	0	0	0	0	0	0	0	10,914	0	126	130	108
	10.Total Project Cost	0	0	0	0	0	0	0	0	0	54,570	0	632	650	541
12	1. Kabuntalan		1 256	1 205		201	150	0,0							
	2. Physiscal Contingency(15% of 1))	0	1881	701 10V		001	1/7	242 	⊃ ¢	ວຸເ	29,024	0	494	544	0
1.00	3. Price Contingency (10% of 1 & 2)	0	144	150	0	101	31	30			4,534	o (	/4	82	0
14	4. Total Direct Cost	0	1,589	1,651	0	134	343	433	0	00	36 716	20	70	20 202	0
101	5. Indirect Cost		4												5 <sup>-</sup>
0 10	0. Feasibility Study/DD (9% of 4)	0	143	149	0	12	3/	39	0	0	3,304	0	56	62	0
<u>&gt; </u>	/ CONSTRUCTION Supervision(4% of 4)	0	64	99	0	S	14	17	0	0	1,469	0	25	28	0
010	0. 11 uning(5% and 12%) for urban & rural)	0	48	50	- 0	4	- 10		0	0	4,406	0	75	83	0
<u> </u>	y. Joint matrect Cost	0	254	264	0	21	55	69	0	0	9,179	0	156	172	0
<u>  </u>	10.Total Project Cost	0	1,843	1,915	0	155	398	502	0	0	45.895	0	182	020	q
														000	

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							Pha	se II (2010-	Phase II (2010-2015) Requirement	irement					
					Urban Area						-	Rural Area			
	Municipality	-	Water Supply	Y		Sanit	Sanitation			Water Supply	ly		Sanit	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	12	0	342	0	978	14,831	0	263	126	0
	2. Physiscal Contingency(15% of 1))	0	0	128	0	2	0	51	0	147	2,225	0	39	61	0
	3. Price Contingency (10% of 1 & 2)	0	0	98	0	I	0	39	0	112	1,706	0	30	]4	0
	4. Total Direct Cost	0	0	1,077	0	15	0	433	0	1,237	18,761	0	333	159	
	5. Indirect Cost														
	6. Feasibility Study/DD (9% of 4)	0	0	97	0	I	0	39	0	111	1,689	0	30	]4	0
	7 Construction Supervision(4% of 4)	0	0	43	0	1	0	17	0	49	750	0	13	6	0
	8. Training(3% and 12% for urban & rural)	0	0	32	0	0	0	13	0	148	2,251	0	40	61	0
	9. Total indirect Cost		0	172	0	2	0	69	0	309	4,690	0	83	40	0
	10 Total Project Cost	0	0	1.250	0	17	0	502	0	1 546	23 451	0	416	100	0
14	I. Matanog	0	0	3,447	0	53	0	342	0	2,091	13,318		332	599	0
	2. Physiscal Contingency(15% of 1))	0	0	517	0	8	0	51	0	314	1,998	0	;	90	0
	3. Price Contingency (10% of 1 & 2)	0	0	396	0	6	0	39	0	240	1,532	0	38	69	0
	4. Total Direct Cost	0	0	4,361	0	67	0	433	0	2,645	16,847	0	420	758	0
	5. Indirect Cost						1		•					5	!
	6. Feasibility Study/DD (9% of 4)	0	0	392	0	6	0	39	0	238	1,516	0	38	68	0
	7 Construction Supervision(4% of 4)	0	0	174	0	3	0	17	0	106	674	0	17	30	0
	8. Training(3% and 12% for urban & rural)	0	0	131	0	2	0	. 13	0	317	2,022	0	50	91	0
	9. Total indirect Cost	0	0	698	0	11	0	69	0	<i>661</i>	4,212	0	105	190	0
	10.Total Project Cost	0	0	5,058	0	78	0	502	0	3,306	21,058	0	525	948	0
15	/ Pagagawan	0	0	0	0	0	0	0	10,006	0	36,093	896	788	704	342
	2. Physiscal Contingency(15% of 1))	0	0	0	0	0	0	0	1,501	0	5,414	134	118	106	51
	3. Price Contingency (10% of 1 & 2)	0	0	0	0	0	0	0	1,151	0	4,151	103	16	81	39
	4. Total Direct Cost	0	0	0	0	0	0	0	12,658	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	0	4,109	102	90	80	39
	7 Construction Supervision(4% of 4)	0	0	0	0	0 0	0	0	506	0	1,826	45	40	36	17
	8. Training(3% and 12% for urban & rural)	0	0	0	0	0	0	0	- 1,519	0	5,479	136	120	107	52
	9. Total indirect Cost	0	0	0	0	0	0	0	3,165	0	11,414	283	249	223	108

Page 20 of 24

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1,826 5,479 11,414 57,072

3,165 

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10. Total Project Cost Total indirect Cost

_							Pha	se II (2010-	Phase II (2010-2015) Requirement	irement					
	:				Urban Arca	в						Rural Arca			
	Municipality		Water Supply	ly		Sanit	Sanitation			Water Supply	yl		Sanitation	ation	
		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 Elisely	Public	Public
10		6,507	0	2,740	1,764	42	0	342	0	0	35,554	0	920	650	Sumo
	2. Physiscal Contingency(15% of 1))	976	0	411	265	6	0	51	0	0	5,333	0	138	98	ò
	3. Price Contingency (10% of 1 & 2)	748	0	315	203	5	0	39	0	0	4,089	0	106	75	0 0
	4. Jotal Direct Cost	8,231	0	3,466	2,231	53	0	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	0	39	0	0	A DAR	C	105	12	
	7 Construction Supervision(4% of 4)	329	0	139	89	2	0	17	0	0	1,799	0	47	33 /#	0
	6. 1 raining(3% and 12% for urban & rural)	247	0	104	67	2	0	13	0	0	5,397	0	140	66	0
	y. I otal indirect Cost	1,317	0	555	357	8	0	69	0	0	11,244	0	291	206	0
<u>,</u>	10.Total Project Cost	9,548	0	4.021	2.588	19	0	\$02	0		046 23				
					Ì					> 	177'nr		+C+'1	1,028	0
17	<u> </u>	0	0	0	0	0	0	0	0	0	7,339	0	118	c	C72
	2. Physiscal Contingency(15% of 1))	0	0	0	0	0	0	0	0	0	1011		61	> c	
	3. Price Contingency (10% of 1 & 2)	0	0	0	0	0	0	0	0	0	844	0	4	0	30
	4. Iotal Direct Cost	0	0	0	0	0	0	0	0	0	9.283	0	149	0	422
															CC1
	3. Indirect Cost									•					
	0. Feasibulity Study(DD (9% of 4)	0	0	0	0	0	0	0	0	0	836	0	13	0	39
	V CONSILUCITON SUPERVISION(4% 0] 4)	0	0	0	0	0	0	0	0	0	371	0	Ó	0	17
	0. Iraung(3% and 12% for urban & rural)	0	0	0	0	0	0	0	0	0	1,114	0	18	0	52
	2. 1000 mart ect COSt	0	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	0	11 604	0	186	0	173
0														<u> </u>	Ę
2		8,526	729	14,684	1,906	49	271	342	0	0	79,086	562	258	528	0
	2. Fuysiscat Contingency(13% of 1))	1,279	109	2,203	286	2	41	51	0	0	11,863	84	39	62	0
	3. Frice Contingency (10% of 1 & 2)	981	84	1,689	219	0	31	39	0	0	9,095	65	30	61	0
		10,786	922	18,575	2,412		343	433	0	0	100,043	210	326	668	0
	5. Indirect Cost														
	6. Feasibility Study/DD (9% of 4)	126	83	1,672	217	9	31	30	0	¢	r00 0	3	2		
	7 Construction Supervision(4% of 4)	431	37	743	8	~	14	17	0			1 	\$7 C	10	
	8. Training(3% and 12% for urban & rural)	324	28	557	72	7	10	13	0	0	300 61		C 06	/7	
	9. Total indirect Cost	1,726	147	2,972	386	10	55	69	0	0	25.011	178	2 2 2 2 2 2	167	0
	10 Total Deviced Cast												5	S T	5
	ison materia	710'71	1,069	21.547	2,797	11	398	502	0	0	125,0.54	888	408	835	0

Comp rehensive Basic Survey of the Autonomous Region in Muslim Mindanao Water Supply and Sanitation Sector: Province of Maguindanao

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11							гпа	Phase II (2010-2015) Requirement	inbəxi (ci 02	rement					
					Urban Arca	1					<b>i</b>	Rural Arca			
	Municipality	12	Water Supply	×		Sani	Sanitation			Water Supply	١y		Sanit	Sanitation	
		Level III	Level II	Level I	HH Flush	HH Pour Flush	<ul> <li>Public</li> <li>School</li> </ul>	Public Utilities	Level III	Level II	Level I	HH Flush	HH Pour Flush	Public School	Public Utilities
c	1 01	5 282	C	46	1.728	0	0	342	3,851	611	18,553	1,958	496	188	0
2		707	0	2	259	0	0	51	578	117	2,783	294	74	28	0
	2. Prisscat Contrigency (1.270 of 1.1)	607	0	· 5	661	0	0	39	443	90	2,134	225	57	22	0
	3. Frice Contingency (10/10) 1 - 2/ 4. Total Direct Cost	6,682	0	59	2,186	0	0	433	4,871	985	23,469	2,477	627	238	0
	5. Indirect Cost	201	¢	~	107	0	0	30	438	89	2.112	223	56	21	0
	6. Feasibility Study(DL) (9% 0] 4)	100	> 0	2	87	0	0	17	195	39	939	66	25	10	0
	/ CONSIGUORI Super VISION (7/0 9) +)	200	0	2	00	0	0	13	585	118	2,816	297	75	29	0
	0. Itutitus 270 min 1270 of a community of Total indirect Cost	1,069	0	6	350	0	0	69	1,218	246	5,867	619	157	60	0
						•			000 2	1 22	765 00	3 006	181	208	0
	10.Total Project Cost	7,751	0	80	2,535	>	<u>&gt;</u>	700	0,00	7(7'1	100 67	000		2	
20	1 Courth I Ini	5.716	0	12.538	1,259	64	0	342	0	0	74,560	0	456	145	0
د د	-	857	0	1,881	189	10	0	51	0	0	11,184	0	88	22	5
	3. Price Contingency (10% of 1 & 2)	657	0	1,442	145	2	0	39	0	0	8,574	0	22	11	o'
	4. Total Direct Cost	7,230	0	15,860	1,592	81	0	433	0	0	94,318	0	577	183	
	5. Indirect Cost				671	~		30	e	0	8 489	0	52	16	0
	6. Feasibility Study/DD (9% of 4)	100	5 9	1,421		× 6		12	0	0	3.773	0	23	2	0
	V Construction Supervision(476 0) 4)	217		476		2	0	13	0	0	11,318	0	69	22	0
	0. I raining() /0 and 12/0 of a roan windly 0 Total indirect Cost	1,157	0	2,538		13	0	69	0	0	23,580	0	144	46	0
											117 0/0		222	220	
	10. Total Project Cost	8,387	0	18,398	1,847	y4	>	700	>		0/0//71	<u>ہ</u>			
10	1 Vinfan Kindarat	0	0	770	2,061	C C C C C C C C C C C C C C C C C C C	P	342	3,272	488	70,212	7,770	1,547	939	0
4		0	0	116	309	0	0	51	491	73	10,532		232	141	
	3. Price Contingency (10% of 1 & 2)	0	0	89	237	0	0	39	376	56	8,074	_	178	108	0
	4. Total Direct Cost	0	0	974	2,608	0	0	433	4,138	617	88,818	9,829	1,957	1,188	0
			-		-										
	5. Foreihility Study/DD (0% of 4)	0	0	88	235	0	0	39	372	56	7,994	885	176	107	0
	7 Construction Symervision(4% of 4)	0	0	39	104	0	0	17	166	25	3,553	393	78	48	0
	8. Training(3% and 12% for urban & rural)	0	0		78	0	0			74	10.658	- 1.179	235	143	0
	0 T-1 indianal Cont	0	0	156	1 1			69	1.035	154	22.204		480	297	0

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Total Project Cost

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<u> </u>	Appendix 1 able 9.5. 4 1 otal Investment Costs (P x 1,000)- breakdown	1 1 1 1 1 1					pha	of 11 (2010)	Phase II (2010-2015) Booniconte						
							1 110	11/2/11/2010	how (cinz-	nement					
	M				Urban Arca	a 						Rural Arca			
	Municipality		Water Supply	ylc		Sani	Sanitation			Water Supply	oly		Sani	Sanitation	
		Level III	Level II	Level I	HH Flush	HH Pour Flush	Public School	Public Utilities	Level III	Level II	Level I	HH Flush	<u> </u>	Public	Public
~	22 I. Sultan Mastura	0				C	C			020	17 614		USDIA	SCHOOL	Utilities
	2. Physiscal Contingency(15% of 1))	0	0		0	20				700	11,014		c/c	278	342
	3. Price Contingency (10% of 1 & 2)	0	0	0	0	0	s e			50	2,042	0	86	42	51
	4. Total Direct Cost	0	0	0	0	0	0	0	0	1.050	22 287		778	32	95
	5 Indirect Cost											s	07/	7/1	CC*
	6. Feasibility Study/DD 70% of 4)				•										
	7 Construction Sumaristica (2/0 0) 4)	5		» (°		0	0	0	0	95	2,005	0	65	32	39
	8 Proining 200 and 1906 for the of 4)	>	> `		0	0	0	0	0	42	891	0	29	14	17
	0 Total indiana Cont	0	0	0	0	0	0	0	0	126	2,674	0	87	42	52
	2. JOINT HIMMELT COST	3	0	0	0	0	0	0	0	263	5,571	0	182	88	108
	10. Total Project Cost	0	0	0	0			C		c1 + 1					
<u> </u>					,  -			>	>	1,513	508,12	0	910	440	541
23	<u> </u>	0	1,560	0	0	190	0	342	¢	c	008 11		1 404	200	
	2. Physiscal Contingency(15% of 1))	0	234	0	0	38	0	15			22011		+0+'1	<u>, , , , , , , , , , , , , , , , , , , </u>	
	3. Price Contingency (10% of 1 & 2)	0	170	0	0	22		10	2 4	2	5,233	0		53	0
	4. Total Direct Cost		1001		> <	77	»	<u> </u>	<u></u>	0	4,012	0	191	41	0
		5	1,9/4	>	>	240	0	433	0	0	44,136	0	1,776	449	0
	5. Indirect Cost														
	6. Feasibility Study/DD (9% of 4)	0	178		C				,						
	7 Construction Supervision(4% of 4)		04			77	5,	<u>5</u>	0	0	3,972	0	160	40	0
	8. Training(3% and 12% for urban & rural)	> c	5 95			10	0		0	0	1,765	0	11	18	0
	9. Total indirect Cost		~ ~ ~	> <	» (°		2	13	0	0	5,296	0	213	54	0
		2	015	n	0	38	0	69	0	0	11,034	0	444	112	0
	10. Total Project Cost	0	2,289	0	0	279	0	502	0	9	55 170	¢	066 6		(
										<u> </u>	011100	2	177'7	100	3
74		0	1,123	2,448	0	103	0	342	0	532	30.228	c	505	147	<
	2. Physiscal Contingency(15% of 1))	0	168	367	0	16	0	51	0	8	4 534	<b>^</b> •	242	700	
	3. Price Contingency (10% of 1 & 2)	0	129	281	0	12	0	39	0	61	3.476	0	05	5 5	
	4. Total Direct Cost	0	1,420	3,096	0	131	0	433	0	673	38 230		620	357	2 0
	5. Indirect Cost											,		0/1	>
	K Foreihilten ChudulDD 100/ 2 1)	•													
	7 Construction Summition (9700) 4)	010	128	279	0	12	0	39	0	19	3,441	0	57	41	0
	8. Training(3% and 12% for urban & rural)	5;0	2	124	0		0	11	0	27	1.530	0	26	18	0
_	9. Total indirect Cost	> <	5.5	2	2	#	0	/3	0	81	4,589	0	17	55	0
		5	/77	495	0	21	0	60	0	168	9.560	0	160	115	0
	10Total Project Cost	0	1.648	3 592	-0	157						1			
					- -			711	- 0	842	47,798	0	799	573	0

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able 9.3. 4 Total Investment Costs (P x 1,000)- breakdown -Phase	
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						Phas	se II (2010-:	Phase II (2010-2015) Requirement	rement					
I				Urban Area	1					Я	Rural Area			
<u>ı                                    </u>	14	Water Supply			Sanit	Sanitation			Water Supply	ıly		Sanit	Sanitation	
<u>.</u>	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
	0	0	0	0	0	0	0	0	0	37,672	0	575	846	342
2. Physiscal Contingency(15% of 1))	0	0	0	0	0	0	0	0	0	5,651	0	86	127	51
Price Contingency (10% of 1 & 2)	0	0	0	0	0	0	0	0	0	4,332	0	66	97	39
	0	0	0	0	0	0	0	0	0	47,656	0	728	1,070	433
*	0	0	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	0	0	1,906	0	29	43	17
8. Training(3% and 12% for urban & rural)	0	0	0	0	0	0	0	0	0	5,719	0	87	128	52
	0	0	0	0	0	0	0	0	0	11,914	0	182	267	108
	6	0	e	0	0	0	0	0	0	. 59.569	0	910	1.337	541
				·										
	4,022	0	161	764	0	271	342	0	0	50,399	0	517	737	0
2. Physiscal Contingency(15% of 1))	603	0	20	115	0	. 41	51	0	0	7,560	0	137	111	0
3. Price Contingency (10% of 1 & 2)	463	0	1-5	88	0	31	39	0	0	5,796	0	105	85	0
	5,088	0 0	166	967	0	343	433	0	0:	63,755	O	1,160	933	0
	458	0	15	87	0	31	39	0	0	5,738	0	104	84	0
7 Construction Supervision(4% of 4)	204	0	7	39	0	]4	17	0	0	2,550	0	46	37	0
8. Training(3% and 12% for urban & rural)	153	0	5	29	0	10	13	0	0	7,651	0	139	112	0
	814	0	27	155	0	55	69	0	0	15,939	0	290	233	0
	5,902	0	193	1,121	0	398	502	0	0	79,693	0	<i>1,449</i>	1,166	0
	1171 F	17 200	202 02	10 076	1 0/0	2 1 2 1	0 535	87 277	31.063	1.449.015	23.227	22.782	17518	3,786

Page 24 of 24

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