6. PW4SP DATA FILES

Data files are collection of information revelant to the preparation of PW4SP. Data files are logically group into three major areas of information. The first group of information are the base data that are composed of information derived from survey, ocular inspection, and existing information from the provincial and national agencies. The second group of information are the key parameter data that are composed of information derived from applicable policies, assumption, water test result, and current cost of commodity. The third group of information are the presentation of data which derived from the previously mentioned groups of information's, this data are processed and then logically arranged to show provincial profile, existing facilities and service coverage, past financial performance, future requirement of the relevant sector, cost estimates for future sector development, and financial arrangement.

6.1. Base Information

- 1. Socio-economic Data (socio xls)
 - a) Administrative Composition ((M) Administrative Composition)
 - b) Past Population ((M) Past Population Page 1 to 2)
 - c) Projected Population ((M) Projected Population)
 - d) Household ((M) Household)
 - e) Services ((M) Services)
 - f) Occupation ((M) Occupation)
 - g) Family Income, Education and Literacy ((M) Family Income and Education)

2. Land Use Data (landuse.xls)

- a) Existing Land Use ((M) Existing Land Use)
- b) Future Land Use ((M) Future Land Use)

3. Health Data (health.xls)

- a) Morbidity, Mortality and Infant Mortality ((M) Morbidity and Mortality)
- b) Facility and Practitioner ((M) FacilityPractitioner)

4. Water Resource Data (h2ores.xls)

- a) General Information ((M) General Information)
- b) Water Source Information ((M) Source Information)

5. Water Supply Systems Data (h2osupp.xls)

- a) Level III Systems ((S) Level III P1-2., P2-2)
- b) Level II Systems ((S) Level II P1-4.. P4-4)

6. Environmental Sanitation Data (sanit.xls)

- a) Household Toilets ((M) Household Toilets)
- b) School and Public Toilets ((M) Sch. and Pub. Toilets)
- c) Drainage Facility ((M) Drainage Facility)
- d) Solid Waste Collection and Disposal ((M) Solid Waste)

7. Investment Data (invest.xls)

- a) Previous Annual Investment ((P) Fin. Past Ann. Invest.)
- b) Planned Annual Investment ((P) Fin. Future Ann. Invest.)

6.2. Key Parameter

1. Key Parameters (keypar.xls)

- a) Key Parameter (Key Parameter)
- b) Level I Safe and Unsafe (Level I Safe and Unsafe)
- c) Well Source Composition (Well Source Composition)
- d) Unit Cost (Unit Cost)
- e) Scoring Factor (Scoring Factor)
- f) Annual Investment (Annual Investment)

6.3. Data Presentation

1. Provincial Profile (chap-3.xls)

- a) Outline of City and Municipalities (MTable 3.1.1)
- b) Current Land Use (MTable 3.2.1)
- c) Drainage Areas and Flow Rates of Major Rivers (MTable 3.2.2)
- d) Distribution of Households by Income Class (MFigure 3.3.1)
- e) Population Distribution by Occupation (Figure 3.3.2)
- f) Population Distribution by Highest Attainment of Education (MFigure 3.3.3)
- g) Provincial Outline on Public Services (MTable 3.3.1)
- h) Public Facilities and Services by Municipality (MTable 3.3.2)
- i) Previous Population Development of the Province (MFigure 3.4.1)
- j) Previous Population Development by Municipality (MTable 3.4.1)
- k) Present Population Distribution (MFigure 3.4.2)
- 1) Outline of Urban and Rural Areas in the Province (MTable 3.4.2)
- m) Household Numbers and Household Sizes (MTable 3.4.3)
- n) Number and Rates of Ten Leading Causes of Morbidity, Mortality and Infant Mortality (MTable 3.5.1)
- o) Reported Cases and Deaths of Notifiable Water Related Diseases (MTable 3.5.2)
- p) Municipal Solid Waste Collection and Disposal, and Service Coverage in 1994 (MTable 3.6.1)
- q) Number and Ratio of Population to Health Facilities and/or Medical Practitioners (STable 3.5.1)
- r) Types of Drainage Facilities (STable 3.6.1)
- S) DENR Water Quality Criteria/Water Usage and Classification for Fresh Water (STable 3.6.2)

2. Existing Facilities and Service Coverage (chap-4.xls)

- a) Information on Existing Level III Systems (MTable 4.1.2)
- b) Information on Water District (MTable 4.1.3)

- c) Information on Existing Level II Systems (MTable 4.1.4)
- d) Information on Existing Level I Facilities (MTable 4.1.5)
- e) Water Supply Service Coverage by Municipality in 1994 (MTable 4.1.7)
- f) Water Supply Service Coverage by Municipality (MFigure 4.1.1)
- g) Sanitation Facilities and Service of Household Toilets, Urban and Rural, 1994 (MTable 4.2.1)
- h) Provincial Service Coverage of Household Toilet Facilities, 1994 (MFigure 4.2.1)
- i) School Toilet Facilities and Service Coverage in 1994 (MTable 4.2.2)
- i) Public Toilet Facilities and Service Coverage in 1994 (MTable 4.2.3)
- k) Details on Existing Level III Systems (STable 4.1.1 Sheet 1 to 4)
- 1) Details on Existing Level II System (STable 4.1.2 Sheet 1 to 6)
- m) Number of Level I Facilities by Safe and Unsafe Classification (STable 4.1.4)
- n) Estimation of Unserved Population by Municipality (STable 4.1.5)
- o) Estimation of Population Covered by Safe and Unsafe Source by Municipality (STable 4.1.6 Sheet 1 to 2)
- p) Sanitation Facilities and Service Coverage of Household Toilets by Type, by Municipality, Urban and Rural, 1994 (STable 4.2.1)

3) Past Financial Performance in Water Supply and Sanitation (chap-6.xls)

- a) Previous Sector Investment to the Province by Concerned Agency (MTable 6.2.1)
- b) Past Internal Allotment to the Province from Central Government (MTable 6.2.2)
- c) Affordability in Water and Sanitation Services (MTable 6.4.1)
- d) Financial Indicators of Water Districts (MTable 6.5.1)
- e) Loan Status of Water Districts (MTable 6.5.2)
- f) Past Internal Revenue Allotment to Municipalities from Central Government(STable 6.2.1)

4) Water Source Development (chap-7.xls)

- a) Existing Groundwater Sources in the Province (MTable 7.1.1)
- b) Work Flow of Groundwater Availability Map (SFigure 7.3.1)
- c) Existing Spring Sources by Municipality (STable 7.4.1)
- d) River Information and Related Data (STable 7.5.1)
- e) Water Quality Analysis Results (STable 7.5.2)
- f) Existing Well Sources (STable 7.6.1)
- g) Standard Specification of Wells by Municipality (STable 7.6.2)

5) Future Requirement in Water Supply and Sanitation Environment (chap-8.xls)

- 1) Provincial Sector Targets (MTable 8.2.1)
- 2) Base Year Service Coverage of Water Supply (MTable 8.2.2)
- 3) Base Year Service Coverage of Household Toilets (MTable 8.2.3)
- 4) Base Year Service Coverage of Public School Toilets and Public Toilets (MTable 8.2.4)
- 5) Base Year Service Coverage of Municipal Solid Waste System in 1994 (MTable 8.2.5)
- 6) Future Population by Urban and Rural Area by Municipality (MTable 8.3.1)
- 7) Projected Public School Enrollment and Number of Public Utility by Municipality (MTable 8.3.2)
- 8) Population to be Served by Target Year (Water Supply) (MTable 8.5.1)
- 9) Additional Number of Households to be Served by Target Year (Household Toilets) (MTable 8.5.2)
- 10) Additional Number of Public School Student to be Served by Target Year (School Toilets) (MTable 8.5.3)

- 11) Additional Number of Public Utilities with Sanitary Toilets by Target Year (MTable 8.5.4)
- 12) Population to be Served by Urban Sewerage in Phase II (MTable 8.5.5)
- 13) Additional Number of Urban Households to be Served by Municipal Solid Waste System in Phase I (MTable 8.5.6)
- 14) Water Supply Facilities Required by Target Year (MTable 8.6.1)
- 15) Sanitation Facilities Required by Target Year (MTable 8.6.2)
- 16) Number of Garbage Collection Trucks Required in Phase I (MTable 8.6.3)
- 17) Estimation of Base Year Service Coverage of Water Supply (STable 8.2.1)
- 18) Population Coverage in Phase I Provided by Served Population in the Base Year (STable 8.2.2)
- 19) Number of Households Served by Sanitary Toilets in the Base Year (1994)(STable 8.2.3)
- 20) Number of Public School Student Served by School Toilets in the Base Year (STable 8.2.4)
- 21) Number of Public Utilities with Sanitary Toilets in the Base Year (1994) (STable 8.2.5)
- 22) Households Coverage in Phase I Provided by Existing Facilities in the Base Year (Household Toilets) (STable 8.2.6)
- 23) Public School and Public Coverage in Phase I Provided by Existing Facilities in the Base Year (STable 8.2.7)
- 24) Projected Number of Households by Urban and Rural Areas by Municipality by Target Year (STable 8.3.5)
- 25) Projected School Enrollment by Municipality by Target Year (STable 8.3.6)
- 26) Projected Number of Public Utilities by Municipality by Target Year (STable 8.3.7)
- 27) Population to be Served by Level II System in Phase I (STable 8.5.1)
- 28) Population to be Served in Phase I (Water Supply) (STable 8.5.2)
- 29) Population to be Served in Phase II (Water Supply) (STable 8.5.3)
- 30) Additional Number of Households to be Served in Phase ! (Household Toilets) (STable 8.5.4)
- 31) Additional Number of Households to be Served in Phase II (Household Toilets) (STable 8.5.5)
- 32) Additional Number of Public School Students to be Served in Phase I and II (School Toilets) (STable 8.5.6)
- 33) Additional Number of Public Utilities with Sanitary Toilets in Phase I and II (STable 8.5.7)
- 34) Urban Water Supply Facilities Required by Target Year (STable 8.6.1)
- 35) Plan for Expansion of Existing Level III System (STable 8.6.2)
- 36) Rural Water Supply Facilities Required by Target Year (STable 8.6.3)
- 37) Urban Household Toilets Required by Target Year (STable 8.6.4)
- 38) Rural Household Toilet Required by Target Year (STable 8.6.5)
- 39) Public School Toilets Required by Target Year (STable 8.6.6)
- 40) Public Toilets Required by Target Year (STable 8.6.7)
- 6) Cost Estimates for Future Sector Development (chap-10.xls)
 - a) Unit Cost of Facilities by Type and Service Level (MTable 10.2.1)
 - b) Construction Cost of Required Facilities by Municipality (MTable 10.3.1)
 - c) Recurrent Cost (MTable 10.4.1)
 - d) Unit Cost of Level I (Deep Well 40 meter Depth) (STable 10.2.1)
 - e) Unit Cost of Level I (Deep Well 80 meter Depth (STable 10.2.2)
 - f) Unit Cost of Level I (Deep Well 120 meter Depth) (STable 10.2.3)
 - g) Unit Cost of Level I (Deep Well Rehabilitation) (STable 10.2.4)
 - h) Unit Cost of Level I (Shallow Well 18 meter Depth) (STable 10.2.5)

- i) Unit Cost of Level II (600 Service Population) (STable 10.2.6)
- j) Unit Cost of Level III (5,000 Service Population) (STable 10.2.7)
- k) Unit Cost of Level III (10,000 Service Population) (STable 10,2.8)
- 1) Unit Cost of Level III (15,000 Service Population) (STable 10.2.9)
- m) Unit Cost of Flush Water Sealed with Septic Tank Toilet (STable 10.2.10)
- n) Unit Cost of Pour Flush with Double Pit Latrine (STable 10.2.11)
- o) Unit Cost of Ventilated Improved Pit Latrine (STable 10..2.12)
- p) Unit Cost of School Toilet (STable 10.2.13)
- q) Unit Cost of Public Toilet (STable 10.2.14)
- r) Construction Cost of Water Supply Facilities Required for Phase I (2000) (STable 10.3.1)
- s) Construction Cost of Water Supply Facilities Required for Phase II (2010) (STable 10.3.2)
- t) Cost of Sanitation Facilities Required for Phase I (2000) (STable 10.3.3)
- u) Cost of Sanitation Facilities Required for Phase II (2010) (STable 10.3.4)

7) Financial Arrangements (chap-11.xls)

- a) Projected Internal Revenue Allotment for Medium-Term Sector Development (MTable 11.2.1)
- b) Projected Allotment of IRA to the Relevant Sector by Component, 1996-2000 (MTable 11.2.2)
- c) Financing Requirements by Sector Component for the Province (MTable 11.3.1)
- d) Additional Fund Requirement for Medium-Term Plan (MTable 11.3.2)
- e) Internal Revenue Allotment for Water Supply and Sanitation Sector by Municipality (Medium-Term Development 1996-2000) (MTable 11.3.3)
- f) Relationship between Funding Levels and Percent of Coverage for Water Supply Sector (MFigure 11.4.1)
- g) Relationship between Funding Levels and Percent of Coverage for Sanitation Sector (MFigure 11.4.2)
- h) Municipal Investment Need Ranking for Urban Water Supply (MTable 11.4.1)
- i) Distribution of Provincial IRA to Municipality for Urban Water Supply (MTable 11.4.2)
- j) Municipal Investment Need Ranking (MTable 11.4.3)
- k) Percentages for Annual Investment (STable 11.3.1)
- 1) Comprehensive Investment Need Ranking of the Municipalities (STable 11.4.1)

7. DATA FILES LINKAGES

Linkages are logical connection between records in the data files. Through linkages, once the user's updates the source data, all data in the streams of linkages are dynamically updated. Linkages are the convenient tools of updating related data, these also shield the user's from the complexity of formula manipulation. With the aid of the data linkages the user's can concentrate more in validating the source data.

The following table lists the logical connections for each worksheet.

		Destination Link			Source Link
Chapter No.	Table No.	Title	Filename	Table/Form Number	Title
Chapter - 3	MT 3.1.1	Outline of City and Municipality	Socio.xls	M 1.2.2	Past Population Page 2
	MT 3.2.1	Current LandUse	Landuse;xis	M 2.1	Existing Landuse
	MF 3.3.1	Distribution of Households by Income Class	Chap-3.xls	ST 3.3.1	Distribution of Household by Income Class
	MF 3.3.2	Population Distribution by Occupation	Chap-3.xls	ST 3.3.2	Gainful Workers by Occupation Group and Major
	MF 3.3.3	Population Distribution by Highest Attaintment of Education	Chap-3.xls	ST 3.3.3	Household Population by Highest Education Attainment
	MT 3.4.1 &	Previous Population Development by Municipality	Socio,xls	MT 1.2.1	Past Population Page 1
	· ·			M 1.2.2	Pust Population Page 2
	MF 3.4.2	Present Population Distribution	Socio.xis	M 1.2.2	Past Population Page 2
	MT 3.4.2	Outline of Urban and Rural Areas in the Province	Chap-3.xls	WT 3.1.1	Outline of City and Municipality
			Socio.xls	ST 3.32 M 1.22	Education Level and Literacy of Population Part Population Page 2
	MT 3.4.3	Households Numbers and Household Sizes	Socio,xls	¥.1 №	Household Number
			Chap-3.xls	MT 3.4.2	Outline of Urban and Rural Areas in the Province
	MT 3.5.1	Number and Rates of Ten Leading Causes of Mobidity, Health.xls., Monality, & Infant Monality	Health.xls.	M 3.1	Morbidity and Mortality Summary
	MT 3.5.2	Reported Cases and Deaths of Notifiable Water related Diseases	Health, xls	M 3.1	Morbidity and Mortality Summary
	MT 3.6.1	Municipal Solid Waste Collection and Disposal,	Socio.xIs	M 1.4	Household Number
		and Service Coverage, 1994	•	-	Solid Waste Collection and Disposal
	ST 2 2 1	Northwest of Consillation Indiana Class has Marie in the		7.5	Public Faculties and Services by Municipality
		Population Distribution by Occupation	Socio vie	7:1 M	Compton
		สเรอก			Family Income and Education
Chapter - 4	MT 4.1.2	Information on Existing Level III Systems	Chap-4.xls	ST 4.1.1	Information on Existing Level III Systems
			,	~;	
				and 4	

Note: MT - Main Report Table, MF - Main Report Figure, ST - Supporting Report Table,
M - Questionnaire Form (Monicipal Data), S - Questionnaire Form (System Data), F - Questionnaire Form (Facility Data).

continue to next page ...

		Destination Link			Source Link
Chupter No.	Table No.	Title	Filenume	Table/Form Number	Title
Chapter - 4	MT 4.1.3	Information on Water District Data	Chap-4.xls	ST 4.1.1 Sheet 1 & 4	Infromation on Existing Level III System
•	MT 4.1.4	Information on Existing Level 11 System	Chap-4.xls	ST 4.1.2 Sheet 1 & 2	Existing Level II System
	MT 4.1.5	Estimation of Unserved Population by Municipality	Chap-4.xis	ST 4,1.4	Number of Level 1 Facilities by Safe and Unsafe Classification
				ST 4.1.6 Sheet 1 & 2	Estimation of Population Covered by Safe and Unsafe Source by Municipality
	M7' 4.1.7	Water Supply Service Coverage by Municipality	Chap-4.xls	ST 4.1.6 Sheet 2	Estimation of Population Covered by Safe and Unsafe Source by Municipality
			Socio.xls	M 1.3	Projected Population
•	MT 4.2.1	Sanitation Facilities and Service Coverage of Household Toilers, Urban and Rural, 1994	Socio.x1s	A 1. 4	Household Number
			Chap-4.x1s	ST 4.2.1	Sanitation Facilities and Service Coverage of Household Toilets, by Type, by Municipality, Urban and Rural, 1994
	MT 4.2.2	School Toilers Facilities and Service Coverage, 1994	Sanit xls	M 6.2	School Toilets
	MT 4.2.2	Public Toilers Facilities and Service Coverage, 1994	Sanit .xls	M 6.3	Public Toilets
•	MF 4.1.1	Water Supply Coverage of the Province	Clup-4.xls	MT 4.1.7	Water Supply Service Coverage by Municipality
	ST 4.1.4	Number of Level I Facilities by Safe and Unsafe	H20Supp.xls Keypar.xls	(F) 5.3.1 ST 2.6.5	Level 4 Facility Level 1 Safe and Unsafe Percentage
	ST 4.1.5	Estimation of Unserved Population by Municipality	Sociolals	M 1.2.2 ST 4 1 6	Past Population Page 2. Estimation of Population covered by Safe and Unsafe
				Sheet 1 & 2	Course to Course
	·		***	51 4.1.2 Sheet 2	בניקוז בייני באנים ביינים ביינ
	ST 4,2.1	Sanitation Facilities and Service of Household Toilets by	Socio.xls	M 1.4	Household Number
	:	Type, by Mamerpality, Orban and Kurat,	Sanit.x1s	M 6.1	Houschold Toilets

Note: MT - Main Report Table. MF - Main Report Figure, ST - Supporting Report Table.

M. - Questionnaire Form (Muricipal Dain), S. - Questionnaire Form (System Dain), F. - Questionnaire Form (Facility Dain).

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Table 2.6.2 Data File Linkages

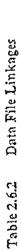
Title Number of Level I Facilities by Safe and Unsafe Chap-4.xls ST 4.1.4 Chassification of Unsafe Chap-4.xls ST 4.1.5 Estimation of Unserved Population Covered by Safe and Unsafe Chap-4.xls ST 4.1.5 Estimation of Unserved Population Coverage of Population Coverage of Population Coverage of Population to Population to Population Coverage of Household Tolites And T 8.5.5 Additional Number of Households And T 8.5.5 Additional Number of Household Tolites And T 8.5.5 Additional Number of Households Safe And T 8.5.7 Additional Number of Households Safe Safe Safe Safe Safe Safe Safe Safe			Destination Link			Source Link
ST 4.1.6 Estimation of Population Covered by Sale and Unsale Chap-4.xls ST 4.1.4 Source by Municipality ST 4.1.6 Estimation of Population Covered by Sale and Unsale Chap-4.xls ST 4.1.5 Source by Municipality ST 4.1.6 Source by Municipality ST 4.1.6 Source by Municipality MT 8.2.1 Provincial Scator Targets MT 8.2.1 Provincial Scator Targets MT 8.2.2 Base Year Coverage in Water Supply MT 8.2.2 Base Year Service Coverage of Household Toilets MT 8.2.3 MT 8.2.1 MT 8.2.1 MT 8.3.1 MT 8.2.1 MT 8.2.1 MT 8.3.1 Sinest 1 Public Toilets	Chapter No.	Table No.		Filename	Table/Form Number	Title
Sheet 1 Source by Municipality Sheet 2 Source by Municipality Sheet 3 Source by Municipality Sheet 4 Sheet 1 Sheet 1 Structure Coverage of Household Toilets MT 8.2.1 MT 8.2.2 Basse Year Service Coverage of Public School Toilets and Chap-8.xls MT 8.2.3 MT 8.2.3 MT 8.2.3 Basse Year Service Coverage of Public School Toilets and Chap-8.xls MT 8.2.1 MT 8.2.1 MT 8.2.1 MT 8.3.1 MT 8.3.2 MT 8.3.1 MT 8.3.1 MT 8.3.1 MT 8.3.2 MT 8.3.1 MT 8.3.1 MT 8.3.2 MT 8.3.1 MT 8.3.1 MT 8.3.1 MT 8.3.2 MT 8.3.1 MT 8.3.2 MT 8.3.3 MT 8			Γ	Chap-4.xls	ST 4.1.4	Number of Level I Facilities by Safe and Unsafe
ST4.1.6 Estimation of Population Covered by Sale and Unsafe Chap-4.xls ST4.1.6 Sheet 2 Source by Municipality ST4.1.6 MT 8.2.1 Provincial Sector Targets Chap-8.xls MT 8.5.1 In MT 8.5.2 MT 8.2.2 Base Year Coverage in Water Supply Chap-4.xls MT 8.5.3 MT 8.2.3 MT 8.2.1 MT 8.3.1 MT 8.2.3 MT 8.3.1 MT 8.3.1 MT 8.2.3 MT 8.3.1 MT 8.3.1 MT 8.3.1 MT 8.3.1 MT 8.3.1 MT 8.3.1 MT 8.3.1 MT 8.3.1 MT 8.3.2 Space Year Service Coverage of Public School Toilets and Chap-4.xls MT 8.3.1 MT 8.3.1 MT 8.3.1 Spinet 1	Chapter - 4	ST 4.1.6 Sheet 1			ST 4,1.5	Classification Estimation of Unserved Population by Municipality
Sheet 2 Source by Municipality MT 8.2.1 Provincial Sector Targets MT 8.2.2 MT 8.2.2 MT 8.2.3 MT 8.3.1 MT 8.2.3 MT 8.3.1 Provincipality Sheet 1		CT 4 1 6	Estimation of Population Covered by Safe and Unsafe	Chap-4.xls	ST4.1.5	Estimation of Unserved Population by Municipality
Sheet 1 Street 1 Street 1 Street 1 Street 1 Street 2 Street 2 Street 3		Sheet 2	Source by Municipality		ST 4.1.6	Estimation of Population Covered by Safe and Unsafe
MT 8.2.1 Provincial Sector Targets Chap-8.x1s MT 8.5.1 MT 8.5.2 MT 8.5.2 MT 8.5.2 MT 8.5.5 MT 8.5.1 MT 8.2.1 MT 8.2.1 MT 8.2.1 MT 8.2.3 MT 8.2.4 Base Year Service Coverage of Public School Toilets and Chap-4.x1s MT 8.3.1 MT 8.2.4 Base Year Service Coverage of Public School Toilets and Chap-4.x1s MT 8.3.1 MT 8.2.2 MT 8.2.1 MT 8.2.4 Base Year Service Coverage of Public School Toilets and Chap-4.x1s MT 8.2.1 MT 8.2.2 MT 8.2.1 MT 8.2.4 Base Year Service Coverage of Public School Toilets and Chap-4.x1s MT 8.2.2 MT 8.2.1 Sheet 1 Enhile Toilets					Sheet 1	Source by Municipality
MT 8.5.2 MT 8.5.2 MT 8.5.5 MT 8.5.6 Base Year Coverage in Water Supply Chap-4.xls MT 4.1.7 Chap-8.xls ST 8.2.1 MT 8.3.1 Base Year Service Coverage of Household Toilets Dublic Toilets Public Toilets Public Toilets Public School Toilets and Chap-4.xls Street 1 Public Toilets MT 4.2.2 Public Toilets Public School Toilets and Chap-4.xls Street 1	Chapter - 8	MT 8.2.1	Provincial Sector Targets	Keypar.xls Chap-8.xls	ST 2.6.2 MT 8.5.1	Key Parameter Table Population to be served by target year(Water Supply)
Base Year Coverage in Water Supply Base Year Service Coverage of Household Toilets Base Year Service Coverage of Public School Toilets and Chap-4.xls Base Year Service Coverage of Public School Toilets and Chap-4.xls Base Year Service Coverage of Public School Toilets and Chap-4.xls Base Year Service Coverage of Public School Toilets and Chap-4.xls Base Year Service Coverage of Public School Toilets and Chap-4.xls Base Year Service Coverage of Public School Toilets and Chap-4.xls Base Year Service Coverage of Public School Toilets and Chap-4.xls Base Year Service Coverage of Public School Toilets and Chap-4.xls Base Year Service Coverage of Public School Toilets and Chap-4.xls Base Year Service Coverage of Public School Toilets and Chap-4.xls Base Year Service Coverage of Public School Toilets and Chap-4.xls Base Year Service Coverage of Public School Toilets and Chap-4.xls Base Year Service Coverage of Public School Toilets and Chap-4.xls Base Year Service Coverage of Public School Toilets and Chap-4.xls					MT 8.5.2	Additional Number of Households to be Served by
Base Year Service Coverage of Household Toilets and Chap-4.xls MT 4.1.7 Base Year Service Coverage of Public School Toilets and Chap-4.xls Base Year Service Coverage of Public School Toilets and Chap-4.xls Public Toilets Public Toilets ST 8.2.3 MT 8.3.1 Base Year Service Coverage of Public School Toilets and Chap-4.xls Base Year Service Coverage of Public School Toilets and Chap-4.xls Base Year Service Coverage of Public School Toilets and Chap-4.xls Base Year Service Coverage of Public School Toilets and Chap-4.xls Base Year Service Coverage of Public School Toilets and Chap-4.xls Base Year Service Coverage of Public School Toilets and Chap-4.xls Base Year Service Coverage of Public School Toilets and Chap-4.xls Base Year Service Coverage of Public School Toilets and Chap-4.xls Base Year Service Coverage of Public School Toilets and Chap-4.xls Base Year Service Coverage of Public School Toilets and Chap-4.xls Base Year Service Coverage of Public School Toilets and Chap-4.xls Base Year Service Coverage of Public School Toilets and Chap-4.xls				··	MT 8.5.5	Target Year(Household Toilets) Population to be Served in Urban Sewerage in Phase II
Base Year Coverage in Water Supply Chap-8.xls Base Year Service Coverage of Household Toilets Base Year Service Coverage of Public School Toilets and Chap-8.xls Public Toilets Public Toilets ST 8.2.3 MT 8.3.1 Base Year Service Coverage of Public School Toilets and Chap-4.xls ST 8.2.3 MT 8.3.1 Public Toilets					MT 8.5.6	Add'i No.of Urban Households to be served by
Base Year Service Coverage of Public School Toilets and Chap-4.xls MT 4.1.7 Base Year Service Coverage of Public School Toilets and Chap-4.xls MT 4.2.2 Public Toilets Public Toilets Str 8.2.1 MT 8.3.1 Base Year Service Coverage of Public School Toilets and Chap-4.xls Str 8.2.3 Public Toilets			_		4 1 0	Municipal Solid Waste System in Phase 1
Base Year Coverage in Water Supply Chap-4.xls MT 4.1.7 Chap-8.xls ST 8.2.1 MT 8.3.1 Base Year Service Coverage of Household Toilets Base Year Service Coverage of Public School Toilets and Chap-4.xls Public Toilets Public Toilets ST 8.2.3 MT 8.3.1 Public Toilets					5.1 8.5.7	Debace and Il
Base Year Coverage in Water Supply Chap-8.xls ST 8.2.1 MT 8.3.1 Base Year Service Coverage of Household Toilets Base Year Service Coverage of Public School Toilets and Chap-4.xls Public Toilets Public Toilets					ST 8.6.6	Public School Toilers Required by Target Year
Base Year Service Coverage of Household Toilets Chap-8.xls ST 8.2.3 Base Year Service Coverage of Public School Toilets and Chap-4.xls MT 4.2.2 Public Toilets		MT 8.2.2	Base Year Coverage in Water Supply	Chap-4.xls	MT 4.1.7	Water Supply Service Coverage by Municipality
Base Year Service Coverage of Household Toilets Chap-8.xls ST 8.2.3 MT 8.3.1 Base Year Service Coverage of Public School Toilets and Chap-4.xls MT 4.2.2 Public Toilets				Chap-8.x)s	3.2.	Supply
Base Year Service Coverage of Household Toilets Chap-8.xls ST 8.2.3 MT 8.3.1 Base Year Service Coverage of Public School Toilets and Chap-4.xls MT 4.2.2 Public Toilets					MT 8.3.1	Future Population by Urban and Rural Area by
Base Year Service Coverage of Household Toilets Chap-8.xls ST 8.2.3 MT 8.3.1 Base Year Service Coverage of Public School Toilets and Chap-4.xls MT 4.2.2 Public Toilets						Municipality
MT 8.3.1 Future Population by Urban an Municipality Buse Year Service Coverage of Public School Toilets and Chap-4.xls Public Toilets Sheet 1 Sheet 1		MT 8.2.3	Base Year Service Coverage of Household Tailets	Chap-8.xls	ST 8.2.3	Number of Households Served by Sanitary Tollers in the Base Year(1994)
Base Year Service Coverage of Public School Toilets and Chap-4.xls MT 4.2.2 Scool Toilet Facilities and Service Toilets					MT 8.3.1	Future Population by Urban and Rural Area by
Base Year Service Coverage of Public School Toilets and Chap-4.xls MT 4.2.2 Scool Toilet Facilities and Service Toilets						Municipality
Succi 1		MT 8.2.4	Base Year Service Coverage of Public School Toilets and	d Chap-4.xls	MT 4.2.2	Scool Toilet Facilities and Service Coverage in 1994
			Public Toilets		Silect 1	continue to next page

Note: MT - Main Report Table, MF - Main Report Figure, ST - Supporting Report Table,
M - Questionnaire Form (Municipal Data), S - Questionnaire Form (System Data), F - Questionnaire Form (Facility Data).

Table 2.6.2 Data File Linkages

		Destination Link			Source Link
Chupter No.	Tuble No.	Title	Filename	Table/Form Number	Tibe
Chapter - 8	MT 8.2.4	Base Year Service Coverage of Public School Toilets and Chap-8.xls Public Toilets	Chap-8.xls	ST 8.2.4 ST 8.2.7	Number of Public School Students Served by School Toilets in the Base Year (1994) Public School Students and Public Utilities Coverage in Phase I Provided by Existing Facilities in the Base Year
	MT 8.2.5	Base Year Scrvice Coverage of Municipal Solid Waste System in 1994	Chap-3.xls Chap-8.xls	MT 3.6.1 ST 8.3.5	Municipal Solid Waste Collection and Disposal, and Service Coverage, 1994. Projected No. of Households by Urban and Rural Area by Municipality by Torget Year
	MT 8.3.1	Future Population by Urban and Rural Area by Municipality	Socio.xls	M 1.2.2 M 1.3	Past Population Page 2 Projected Population
	MT 8.3.2	Projected Public School Enrollment and Number of Public Utility Facilities by Municipality	Chap-8.xls	ST 8.3.6 ST 8.3.7	Projected School Enrollment by Municipality by Target Year Projected No. of Public Utilities by Municipality by Target Year
	MT 8.5.1	Population to be Served by Target Year(Water Supply)	Chap-8.xls	ST 8.2.2 ST 8.5.2 ST 8.5.3	Population Coverage in Phase I Provided by Served Population in the Base Year(Water Supply) Population to be Served in Phase I (Water Supply) Population to be Served in Phase II (Water Supply)
	MT 8.5.2	Additional Number of Houscholds to be Served by Target (Chap-8.xls Year(Household Toitets)	Chap-8.xls	ST 8.5.4 ST 8.5.5	Additional Number of Households to be Served in Phase I(Household Toilets) Additional Number of Households to be Served in Phase II (Household Toilets)
	MT8.5.3	Additional Number of Public School Students to be Served by target Year(School Toilets)	Chap-8.xls	ST 8.3.6 ST 8.5.6	Projected School Enrollment by Municipality by Target Year Additional Number of Public School Students to be Served in Phases 1 and 11(School Toilets)
	MT 8.5.4	Additional Number of Public Utilities with Sanitary Toilers by Target Year	Chap-8.xis		Number of Public Utilities with Santary Toilets in Phoses I and II
	MT 8.5.5	ed by Urban Sewerage in Phase II	Chap-8.xls	MT 8.2.1	Provincial Sector Targets Solves Population Ed. Hebra and Retral Area by
					Municipality
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M. Questionnaire Form (Municipal Data), S. Questionnaire Form (System Data), F. Questionnaire Form (Facility Data).



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		Destination Link			Source Link
Chupter No.	Table No.	Tibe	Filename	Table/Form Number	Title
Chapter - 8	MT 8.5.5	Population to be Served by Urban Sewerage in Phase II.	Chap-8.xls	MT 8.5.1	Population to be Served by Turget Year(Writer Supply)
	MT 8.5.6	Add'l No. of Urban Households to be Served by Municipal Solid Waste System in Physe I	Chap-8.xls	MT 8.2.1	Provincial Sector Turgets
				MT 8.2.5	Base Year Service Coverage of Municipal Solid Waste System in 1994
Spinora ar ar			Chap-8.xls	ST 8.3.5	Projected No. of Households by Urban and Rural Area by Municipality by Target Year
	MT 8.6.1	Water Supply Facilities Required by Target Year	Chap-8.xls	ST 8.6.1	Urban Water Supply Facilities Required by Target Year
				ST 8.6.3	Rural Water Supply Facilities Required by Target Year
was a second and a second a second and a second a second and a second a second and a second a second a second a second and	MT 8.6.2	Sanitation Facilities Required by Target Year	Chap-8.xis	MT 8.3.1	Future Population by Urban and Rural Area by Municipality
				MT 8.5.2	Additional No. of Household to be Served by Target
				ST 8.5.7	Year(Mousehold Toilers) Number of Public Utilities with Sanitary Toilers to Phases
					l and li
				ST 8.6.6	Public School Toilets Required by Target Year
	MT 8.6.3	Number of Garbage Collection Trucks Required in Phase	Chap-8.xls	MT 8.5.6	Add'I No. of Urban Households to be Served by Municipal Solid Waste System in Phase !
	ST 8.2.1	Estimation of Base Year Service Coverage of Water Supply	Chap-4.xls	MT 4.1.7	Water Supply Serveice Coverage by Municipality
			Chap-8.xls	MT 8.3.1	Future Population by Urban and Rural Area by Municipality
	ST 8.2.2	Population Coverage in Phase I Provided by Served Population in the Base Year (Water Supply)	Chap-8.xls	MT 8.2.2	Base Year Coverage in Water Supply
				MT 8.3.1	Future Population by Urban and Rural Area by Municipality
	ST 8.2.3	Number of Households Served by Saniary Tuileis in the Base Year (1994)	Chap-4.xls	ST 4.2.1	Sanitation Facilities and Service of Household Toilets by Type, by Municipality, Urban and Rural, 1994
			Clup-8.xls	MT 8.3.1	Fuure Population by Urban and Rural Area by Municipality

Nois: MT - Main Report Table, MF - Main Report Figure, ST - Supporting Report Table, M - Questionnaire Form (Municipal Data), S - Questionnaire Form (Facility Data),

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Table 2.6.2 Data File Linkages

Chapter No. Table No. Number of Households Served by Sanitary Toile ST 8.2.3 Number of Public School Students Served by Sanitary Toilets in the Base Year(1994) ST 8.2.4 Number of Public Utilities with Sanitary Toilets Base Year(1994) ST 8.2.5 Number of Public Utilities with Sanitary Toilets Base Year (1994) ST 8.2.6 Household Coverage in Phase 1 Provided by Exi Provided by Exi Phase 1 Provided by Exi (Household Toilets) ST 8.2.7 Public School Students and Public Utilities Cov Projected Number of Households by Urban and Rural Area by Mumicipality by Target Year				Source Link
ST 8.2.3 ST 8.2.6 ST 8.2.6 ST 8.2.7 ST 8.2.7		Filename	Table/Form Number	Title
Number of Public School S Toilets in the Base Year(1) Number of Public Utilities Base Year (1994) Household Coverage in Ph Facilities in the Base Year Public School Students and Phase I Provided by Existif in the Base Year Projected Number of Hous Rural Area by Municipality	Number of Households Served by Sanitary Toilets in the Chap-8.xls	Chap-8.xls	ST 8.3.5	Projected Number of Households by Urban and Rural Area by Municipality by Target Year
Toilets in the Base Year(1) Number of Public Utilities Base Year (1994) Household Coverage in Ph Facilities in the Base Year Public School Students am Public School Students am Phase I Provided by Existi in the Base Year Projected Number of Hour Rural Area by Municipality	Number of Public School Students Served by School	Chap-4.xis	MT 4.2.2	School Toilets Facilities and Service Coverage, 1994
Number of Public Utilities Base Year (1994) Household Coverage in Ph Facilities in the Base Year Public School Students an Phase I Provided by Existi in the Base Year Projected Number of Hour Rural Area by Municipalin	Toilets in the Base Year(1994)	Chap-8.xls	Sheet 1 ST 8.3.6	Projected School Enrollment by Municipality by Target
Number of Public Utilities Base Year (1994) Household Coverage in Ph Facilities in the Base Year Public School Students an Phase I Provided by Existi in the Base Year Projected Number of Hour Rural Area by Municipaling				Year
Household Coverage in Ph Facilities in the Base Year Public School Students an Phase I Provided by Existi in the Base Year Projected Number of Hous Rural Area by Municipaling	Number of Public Utilities with Sanitary Toilets in the	Chap-4.xls	MT 4.2.2 Sheet 2	Public Toilets Facilities and Service Coverage, 1994
Public School Students and Phase I Provided by Existing in the Base Year Projected Number of House Rural Area by Municipaling Projected School Facultude	Household Coverage in Phase 1 Provided by Existing Facilities in the Base Year (Household Toilets)	Socio.x1s	M 1.4	Household Number
Public School Students and Phase I Provided by Existing in the Base Year Projected Number of House Rural Area by Municipality Bearings School Encelled		Chap-8 xls	MT 8.2.3	Base Year Service Coverage of Household Toilets
Public School Students and Phase I Provided by Existing in the Base Year Projected Number of Hous Rural Area by Municipality Benefit School Encounter School Facultumes			ST 8.2.3	Number of Households Served by Sanitary Toilets in the
Public School Students and Phase I Provided by Existing in the Base Year Projected Number of House Rural Area by Municipaling Projected School Facultude				Base Year (1994)
Public School Students and Phase I Provided by Existing in the Base Year Projected Number of House Rural Area by Municipaling Decisional School Faculture			ST 8.3.5	Projected Number of Households by Urban and Rural
Public School Students and Phase I Provided by Existing in the Base Year Projected Number of Hous Rural Area by Municipaling Decisional School Faculture				Area by Municipality by Target Year
	Public School Students and Public Utilities Coverage in	Chap-8.x1s	ST 8.2.4	Number of Public School Students Served by School
	Phase I Provided by Existing Facilities		S C S LS	Totlets in the Base, Year(1994) Number of Public Utilities with Sanitary Totlets in the
	in the Base Year			Base Year (1994)
			ST 8.3.6	Projected School Enrullment by Municipality by Target
	-		1	Year
			51 8.5./	Trojected 100, of cubic Control of transferry 5.
	Proveded Number of Households by Urban and	Socio.xls	M 1.2.2	Post Population Page 2
	Rural Area by Municipality by Target Year		X 1.3	Projected Population
Γ			M 1.4	Household Number
	Projected School Enrollment by Municipality by	Socio.xls	M 1.2.2	Past Population Page 2
	Target Year		Σ 	Projected Population
ST 8.3.7 Projected Number of Public Utilities by Mun	Projected Number of Public Utilities by Municipality by	Chap-8.xls	ST 8.2.5	Number of Public Utilities with Sanitary Tollets in life Base Year (1994)
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Nate: MT - Main Report Table, MF - Main Report Figure, ST - Supporting Report Table,

M . Questionnaire Form (Municipal Data), S - Questionnaire Form (System Data), F - Questionnaire Form (Facility Data).



Table 2.6.2 Data File Linkages

		Destination Link			Source Link
Chapter No.	Table No.	Title	Filename	Table/Form Number	Title
Chapter - 8	ST 8.5.1	Population to be Served by Level 11 System in Phase 1	Socio.xls Chap-8.xls	M 1.1 ST 8.3.5	Administrative Composition Projected Number of Households by Urban and Rural Area by Municipality by Target Year
	ST 8.5.2	Population to be served in Phase I (Water Supply)	Socio.xls Chap-8.xls	M 1.3 MT 8.2.2 ST 8.5.1	Projected Population Base Year Coverage in Water Supply Population to be Served by Level 11 System in Phase 1
	ST 8.5.3	Population to be Served in Phase II(Water Supply)	Socio,xls Chap-8,xls	M 1.3 ST 8.5.2	Projected Population Population to be Served in Phase I (Water Supply)
	ST 8.5.4	Additional Number of Households to be Served in Phase	Chap-8.xls	MT 8.2.1	Provincial Sector Targets
		I(Household Toilers)	-	ST 8.2.3	Number of Households Served by Sanitary Toilets in the
			·	ST 8.3.5	Base Year (1994) Projected Number of Households by Urban and Rural
			0	147001	Downson Secon Taracts
	ST 8.5.5	Additional Number of Households to be Served in Phase Hit Household Toilers)	Chap-a.xis	MI 6.5.1	
				ST 8.3.5	Projected Number of Households by Urban and Rural
				ST 8.5.4	Acta by winnerpainty by the second of Phase Additional Number of Households to be Served in Phase
					I(Household Toilers)
	ST 8.5.6	Additional Number of Public School Students to be	Chap-8.xls	MT 8.2.1	Provincial Sector Targets
	_	Served in Phases I and II (School Tollets)		ST 8.2.4	Number of Public School Students Served by School
					Toilets in the Base Year(1994)
				ST 8.3.6	Projected School Enrollment by Municipality by Target Year
	ST 8.5.7	Number of Public Unities with Sanitary Toilers in Phases Chap-8.xts	s Chap-K.xls	MT 8.2.1	Provincial Sector Targets
		l bod II		ST 8.2.5	Number of Public Utilities with Sanitary Tollets in the
				ST 8.3.7	Projected Number of Public Utilities by Municipality by Target Year
	And Advisor Pressure Public	ARE Man Report Frence. ST - Supporting Report Table.			continueto next page

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N. - Questionnaire Furn (Municipal Data), S - Questionnaire Form (System Data), F - Questionnaire Form (Facility Data).

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		Destination Link			Source Link
Chapter No.	Table No.	Title	Tilename	Table/Form Number	Title
Chapter - 8	ST 8.6.1	Urban Water Supply Facilities Required by Target Year	Socio,xls	M 1.3	Projected Population
 			Keypar.xls Chap-4 xls	ST 2.6.2 ST 4.1.1	Key Parameter Table Details on Existing Level III Systems
				Sheet I and 3	
		·	Chap-8.xls	ST 8.3.5	Projected Number of Households by Urban and Rural
			-		Area by Municipality by Target Year
		and the second		MT 8.4.1	GroundWater Productivity Population to be Served in Place I (Water Supply)
			Chap-8.xls	Sr 8.5.3	Population to be Served in hase 11 (Water Supply)
	ST 8.6.3	Rural Water Supply Facilities Required by Target Year	Chap-7.xls	ST 7.6.2	Standard Specification of Water in the Municipality
			Chan-8xls	ST 8.3.5	Projected Number of Households by Urban and Rocal
-					Area by Municipality by Target Year
				MT 8.4.1	GroundWater Productivity
				ST 8.5.1	Population to be Served by Level II System in Phase I
	70 A	richan Boucahold Toilers Remained by Taryet Year	Chap-8.xls	MT 8.5.2	Additional Number of Households to be Served by Target
	t 0.0	מונים וויפים			Year(Household Toilets)
	ST 8.6.5	Rural Household Toilets Required by Target Year	Chap-8.x is	MT 8.5.2	Additional Number of Households to be Served by Target Year(Household Toilets)
 :	ST 8.6.6	Public School Toilets Required by Target Year	Chap-8.x1s	ST 8.5.6	Additional Number of Public School Student to be Served in Physe I and Phase I (School Toiles)
	ST 8.6.7	Public Toilers Required by Target Year	Chap-8.xls	ST 8.5.7	Number of Public Utilities with Sanitary Toilets in Phases
					Land II (1) Section 19
Chapter - 10	NIT 10.2.1	Unit Cost of Pacifities by Type and Service Level	Keypar.xls	ST 2.6.6	Unit Construction Cost of Different Facilities
	MT 10.3.1	Construction Cost of Required Facilities by Municipality	Chap-10.xls	ST 10.3.1	Construction Cost of Water Supply Facilities Required for
·	·		٠.	ST 10.3.2	Construction Cost of Water Supply Facilities Required for
					Phase II (2010)
				ST 10.3.3	Cost of Sanitation Facilities Required for Phase I (2000)
				ST 10.3.4	Costs of Sanitation Facilities Required for Phase 11 (2010)
Note: MT - Mais Repair Table.	- 11	MF - Main Report Figure, ST - Supporting Report Table,			continue to next page

Note: MT - Main Repart Table, MF - Main Report Figure, ST - Supporting Report Table, F - Questionnaire Form (Facility Data). M - Questionnaire Form (Municipal Data), S - Questionnaire Form (Facility Data).

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		Destination Link			Source Link
Chapter No.	Table No.	Title	Filename	Table/Form Number	Title
Chapter - 10	MT 10.4.1	Recurrent Cost	Keypar.xls Chap-8.xls	ST 2.6.2 NT 8.2.2 MT 8.2.4	Key Parameter Table Base Year Coverage in Water Supply Buse Year Service Coverage of Public School Toilets and
				ST 8.3.5	Projected Number of Households by Urban and Rural
				MT 8.5.1	Area by Municipality by Largel Teal Population to be Served by Targel Year(Water Supply)
· · · · ·				ST 8.6.6	Public School Toilets Required by Target Year
			Chap-11.xls	ST 8.6.7 ST 11.3.1	Public Toilets Required by Target Year Percentages for Annual Investments
	ST 10.3.1	Construction Cost of Water Supply Facilities Required for Chap-8.xls	Chap-8.xls	MT 8.5.1	Population to be Served by Target Year(Water Supply)
·		(2007) (2011)		MT 8.6.1	Water Supply Facilities Required by Target Year
				ST 8.6.3	Number of Garbage Collection Trucks Required in Phase
			Chap-10.xls	MT 10.2.1	Unit Cost of Pacilities by Type and Service Level
	ST 10.3.2	Construction of Water Supply Facilities Required for	Keyparals	ST 2.6.2	Key Parameter Table
		70.07	Chap-8.xls	MT 8.5.1	Population to be Served by Target Year(Water Supply)
				ST 8.6.3	Number of Garbage Collection Trucks Required in Phase
			Chap-10.xts	MT 10.2.1	Unit Cost of Facilities by Type and Service Level
	ST 10.3.3	Cost of Sanitation Facilities Required for Phase I (2000)	Chap-8.xls	MT 8.6.2	Sanitation Facilities Required by Target Year
			Chap-10.xls	ST 8.6.7 MT 10.2.1	Public Toilers Required by Targer Year Unit Cost of Facilities by Type and Service Level
	ST 10,3.4	Cost of Sanitation Facilities Required for Phase 11 (2010) Chap-8.xis	Chap-8.xls	MT 8.3.1	Future Population by Urban and Rural Area by Manifoldship
				MT 8.5.5	Population to be Served by Urban Sewerage in Phase !!
	 -			MT 8.6.2	Saniation Pacifities Required by Target Year
Note: MT - Main R	MT - Main Report Table.	ME - Main Report Figure, ST - Supporting Report Table,			continue to next puge

Note: MT - Main Report Table, MF - Main Report Figure, ST - Supporting Report Table, M - Questionnaire Form (Municipal Data), S - Questionnaire Form (System Data). F - Questionnaire Form (Facility Data).

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Table 2.6.2 Data File Linkages

		Destination Link			Source Link
Chapter No.	Table No.	Title	Filename	Table/Form Number	Title
Chapter - 10	ST 10.3.4	Cast of Sanitation Facilities Required for Phase II (2010)	Chap-8.xls Chap-10.xls	ST 8.6.6 ST 8.6.7 MT 10.2.1	Public School Tollers Required by Target Year Public Tollers Required by Target Year Unit Cost of Facilities by Type and Service Level
Chapter - 11	MT 11.2.1	Projected Internal Revenue Allotment for Medium- Term Sector Development		M 1.1 ST 2.6.2 MT 6.2.2	Administrative Composition Key Parameter Table Past Internal Revenue Allotment to the Province from Central Government
-	MT 11.2.2	Project Allotment of IRA to the Revelant Sector by Component 1996 - 2000	Chap-11.xls	MT 11.2.1	Projected Internal Revenue Allotment for Medium - Termi Sector Development
	MT 11.3.1	Financing Requirements by Sector Component for the Province	Chap-10.xls Chap-11.xls	ST 10.3.2 ST 11.3.1	Construction of Water Supply Facilities Required for Phase II (2010) Percentage for Annual Investments
	MT 11.3.2	Additional Fund Requirement for the Medium-Term Plan Chap-11.xls	Chap-1 l.xls	MT 11.3.1	Financing Requirements by Sector Component for the Province
	MT 11.3.3	Internal Revenue Allotment for Water Supply and Sanitation Sector by Municipality (Medium-Term Development /1996-2000)	Chap-10.xis	ST 10.3.1	Construction Cost of Water Supply Facilities Required for Phase 1 (2000)
				ST 10.3.3	Cost of Sanitation Facilities Required for Phase I (2000)
			Chap-11.xls	MT 11.2.2	Project Alloiment of IRA to the Revelant Sector by Component 1996 - 2000
			•	MT 11.3.1	Financing Requirements by Sector Component for the Province
				MT 11.4.2	Distribution of Provincial IRA to Municipalities for Urban Water Supply
	MT 11.4.1	Municipal Investment need Ranking for Urban Water Supply	Keypar.xis	ST 2.6.7	Scoring Factor for Municipal Investment Ranking for Urban Water Supply
			Chap-8.xls	ST 8.2.2	Number of Households Served by Sanitary Toilets in the Base Year (1994).
				MT 8.2.2	Base Year Coverage in Water Supply
	MT 11.4.2	Distribution of Provincial IRA to Municipalities for Urban Water Supply	Chap-11.xls	MT 11.2.2	Project Allotment of 1RA to the Revelant Sector by Component 1996 - 2000
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	- Marin Danmar Trabia	M.E. Main Bower Finnes C.f. Connection Report Public	,		continue to next page

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Table 2.6.2 Data File Linkages

		Destination Link			Source Link
Chapter No.	Tuble No.	Truk	Filenume	Table/Form	Tide
Chapter-1	MT 11.4.2	Distribution of Provincial IRA to Municipalities for	Chap-4.xls	MT 11.3.1	Financing Requirement by Sector Component for the
•		Urban Water Supply			Province
				MT 11.4.1	Municipal Investment need Ranking for Urban Water
-			9		Supply
			Chap-10.xIs	10.5.0	Construction Cost of water Supply Facilities Adduted for
				5.T.10.3.3	Cost of Sanitation Facilities Required for Phase I (2000)
	NT 11.4.3 Municipal	Municipal Investments Need Ranking	Chap-11.xts	ST 11.4.1	Comprehesive Investment need Ranking of Municipalities
	S.T. 11.3.1	Percentages for Annual Investments	Keypar,xls	ST 2.64	Annual Distribution of Investment Cast Required by Sub-
					Sector for Medium-Term Development Plan
	ST 11.4.1	Comprehesive Investment need Ranking of Municipalities Keypar.xls		ST 2.6.8	Scoring Factor for Municipal Comprehensive Investment
					Ranking
			Chap-8.xls	ST 8.2.2	Population Coverage in Phase I Provided by Served
					Population in the Base Year (Water Supply)
				MT 8.2.3	Base Year Service Coverage of Household Toilets
			Chap-11.x1s	MT 11.4.1	Municipal Investment need Ranking for Urban Water
					Supply

Note: MIT - Main Report Table, MF-Main Report Figure, ST - Supporting Report Table,
M1 - Questionnaire Form (Municipal Data), S - Questionnaire Form (Facility Data).

data

The following procedures are guide in updating the base data of the PW4SP data management system. The word column and row in this procedure mean the internal column and row notation in the worksheet environment.

8.1. Updating Socio-economic Data Base

- 1. Click the File menu, select Open. Short-cut: Click the Open button.
- 2. From the Open Dialog Box. Select the socio.xls filename.
- 3.1 To update the Administrative Composition Data, click the tab of (M) Area and Population sheet.
 - NEDA geopgraphic code: move mouse pointer to column A. Starting at the row below the column description, select the data you would like to update and type the new value.
 - Municipal Name: move mouse pointer to column B. Starting at the row below the column description, in reference to column A (NEDA geographic code) select the data you would like to update and type the new value.
 - City: move mouse pointer to column C. Starting at the row below the column description, in reference to column B (name of municipality) select the data you would like to update and type the new value.
 - Municipal: move mouse pointer to column D. Starting at the row below the column description, in reference to column B (name of municipality) select the data you would like to update and type the new value.
 - Class: move mouse pointer to column E. Starting at the row below the column
 description, in reference to column B (name of municipality) select the data you
 would like to update and type the new value.
 - Urban Barangay: move mouse pointer to column I. Starting at the row below the column description, in reference to column B (name of municipality) select the data you would like to update and type the new value.
 - Rural Barangay: move mouse pointer to column K. Starting at the row below the column description, in reference to column B (name of municipality) select the data you would like to update and type the new value.

3.2 To update the Past Population Data, click the tab of (M) Past Population Page 1 sheet.

- 1903: move mouse pointer to column D. Starting at the row below the column description, in reference to column B (name of municipality) select the data you would like to update and type the new value.
- 1918: move mouse pointer to column E. Starting at the row below the column description, in reference to column B (name of municipality) select the data you would like to update and type the new value.

- 1948: move mouse pointer to column G. Starting at the row below the column description, in reference to column B (name of municipality) select the data you would like to update and type the new value.
- 1960: move mouse pointer to column H. Starting at the row below the column description, in reference to column B (name of municipality) select the data you would like to update and type the new value.
- 1970: move mouse pointer to column I. Starting at the row below the column
 description, in reference to column B (name of municipality) select the data you
 would like to update and type the new value.
- 1975: move mouse pointer to column J. Starting at the row below the column description, in reference to column B (name of municipality) select the data you would like to update and type the new value.

click the tab of (M) Past Population Page 2 sheet.

- Urban Population (1980): move mouse pointer to column D. Starting at the row below the column description, in reference to column B (name of municipality) select the data you would like to update and type the new value.
- Rural Population (1980): move mouse pointer to column E. Starting at the row below the column description, in reference to column B (name of municipality) select the data you would like to update and type the new value.
- Urban Population (1990): move mouse pointer to column G. Starting at the row below the column description, in reference to column B (name of municipality) select the data you would like to update and type the new value.
- Rural Population (1990): move mouse pointer to column H. Starting at the row below the column description, in reference to column B (name of municipality) select the data you would like to update and type the new value.
- Urban Population (1994): move mouse pointer to column 1. Starting at the row below the column description, in reference to column B (name of municipality) select the data you would like to update and type the new value.
- Rural Population (1994): move mouse pointer to column I. Starting at the row below the column description, in reference to column B (name of municipality) select the data you would like to update and type the new value.

3.3 To update the Population Projection Data, click the tab of (M) Project Population sheet.

- Urban Population (2000): move mouse pointer to column I. Starting at the row below the column description, in reference to column B (name of municipality) select the data you would like to update and type the new value.
- Rural Population (2000): move mouse pointer to column K. Starting at the row below the column description, in reference to column B (name of municipality) select the data you would like to update and type the new value.

- Urban Population (2010): move mouse pointer to column S. Starting at the row below the column description, in reference to column B (name of municipality) select the data you would like to update and type the new value.
- Rural Population (2010): move mouse pointer to column U. Starting at the row below the column description, in reference to column B (name of municipality) select the data you would like to update and type the new value.

3.4 To update the Household Data, click the tab of (M) Household sheet.

- Urban Household (1980): move mouse pointer to column D. Starting at the row below the column description, in reference to column B (name of municipality) select the data you would like to update and type the new value.
- Rural Household (1980): move mouse pointer to column E. Starting at the row below the column description, in reference to column B (name of municipality) select the data you would like to update and type the new value.
- Urban Household (1990): move mouse pointer to column G. Starting at the row below the column description, in reference to column B (name of municipality) select the data you would like to update and type the new value.
- Rural Household (1990): move mouse pointer to column H. Starting at the row below the column description, in reference to column B (name of municipality) select the data you would like to update and type the new value.
- Urban Household (1994): move mouse pointer to column J. Starting at the row below the column description, in reference to column B (name of municipality) select the data you would like to update and type the new value.
- Rural Household (1994): move mouse pointer to column K. Starting at the row below the column description, in reference to column B (name of municipality) select the data you would like to update and type the new value.

3.5 To update the Services Data, click the tab of (M) Services sheet.

- Number of Public Elementary School: move mouse pointer to column F. Starting at
 the row below the column description, in reference to column B (name of
 municipality) select the data you would like to update and type the new value.
- Number of Private Elementary School: move mouse pointer to column G. Starting
 at the row below the column description, in reference to column B (name of
 municipality) select the data you would like to update and type the new value.
- Number of Public High School: move mouse pointer to column I. Starting at the row below the column description, in reference to column B (name of municipality) select the data you would like to update and type the new value.
- Number of Private High School: move mouse pointer to column J. Starting at the row below the column description, in reference to column B (name of municipality) select the data you would like to update and type the new value.
- Number of Colleges: move mouse pointer to column L. Starting at the row below the
 column description, in reference to column B (name of municipality) select the data
 you would like to update and type the new value.

- Number of Hospitols: move mouse pointer to column M. Starting at the row below
 the column description, in reference to column B (name of municipality) select the
 data you would like to update and type the new value.
- Number of Markets: move mouse pointer to column N. Starting at the row below
 the column description, in reference to column B (name of municipality) select the
 data you would like to update and type the new value.
- Number of Banks: move mouse pointer to column O. Starting at the row below the
 column description, in reference to column B (name of municipality) select the data
 you would like to update and type the new value.

3.6 To update the Occupation Data, click the tab of (M) Occupation sheet.

- Number of Professional, Technical and Related Workers: move mouse pointer to column D. Starting at the row below the column description, in reference to column B (name of municipality) select the data you would like to update and type the new value.
- Number of Administrative, Executive and Managerial: move mouse pointer to column E. Starting at the row below the column description, in reference to column B (name of municipality) select the data you would like to update and type the new value.
- Number of Sales Workers: move mouse pointer to column F. Starting at the row below the column description, in reference to column B (name of municipality) select the data you would like to update and type the new value.
- Number of Service Workers: move mouse pointer to column G. Starting at the row below the column description, in reference to column B (name of municipality) select the data you would like to update and type the new value.
- Number of Agricultural, Animal Husbandry & Forestry Workers, Fisherman and Hunetrs, move mouse pointer to column H. Starting at the row below the column description, in reference to column B (name of municipality) select the data you would like to update and type the new value.
- Number of Production & Related Workers, Transportation Equipment Operators
 and Laborers: move mouse pointer to column I. Starting at the row below the
 column description, in reference to column B (name of municipality) select the data
 you would like to update and type the new value.
- Number of Occupation Not Adequately Defined or Reported: move mouse pointer
 to column J. Starting at the row below the column description, in reference to column
 B (name of municipality) select the data you would like to update and type the new
 value.

3.7 To update the Family Income, Education and Literacy Data, click the tab of (M) Family Income and Education sheet.

- Number of Family Receiving Under P 13,999: move mouse pointer to column D.
 Starting at the row below the column description, in reference to column B (name of municipality) select the data you would like to update and type the new value.
- Number of Family Receiving Between P 15,000 to P 29,999: move mouse pointer to column E. Starting at the row below the column description, in reference to

- column B (name of municipality) select the data you would like to update and type the new value.
- Number of Family Receiving Between P 30,000 to P 39,999: move mouse pointer
 to column F. Starting at the row below the column description, in reference to
 column B (name of municipality) select the data you would like to update and type
 the new value.
- Number of Family Receiving Between P 40,000 to P 59,999: move mouse pointer
 to column G. Starting at the row below the column description, in reference to
 column B (name of municipality) select the data you would like to update and type
 the new value.
- Number of Family Receiving over P 60,000: move mouse pointer to column H. Starting at the row below the column description, in reference to column B (name of municipality) select the data you would like to update and type the new value.
- Number of Population that Finish Pre-School: move mouse pointer to column 1. Starting at the row below the column description, in reference to column B (name of municipality) select the data you would like to update and type the new value.
- Number of Population that Finish Elementary School: move mouse pointer to column I. Starting at the row below the column description, in reference to column B (name of municipality) select the data you would like to update and type the new value.
- Number of Population that Finish High School: move mouse pointer to column K.
 Starting at the row below the column description, in reference to column B (name of municipality) select the data you would like to update and type the new value.
- Number of Population that Finish College and Post Graduate, move mouse pointer
 to column L. Starting at the row below the column description, in reference to
 column B (name of municipality) select the data you would like to update and type
 the new value.
- Number of Literate Population: move mouse pointer to column M. Starting at the
 row below the column description, in reference to column B (name of municipality)
 select the data you would like to update and type the new value.
- Number of Illiterate Population: move mouse pointer to column N. Starting at the
 row below the column description, in reference to column B (name of municipality)
 select the data you would like to update and type the new value.

8.2. Updating Land Use Data Base

- 1. Click the File menu, select Open. Short-cut: Click the Open button.
- 2. From the Open Dialog Box. Select the landuse.xls filename.
- 3.1 To update the Existing Land Use Data, click the tab of (M) Existing Land Use sheet.
 - Forest Land Area: move mouse pointer to column C. Starting at the row below the column description, in reference to column B (name of municipality) select the data you would like to update and type the new value.

- Grass Land Area: move mouse pointer to column D. Starting at the row below the column description, in reference to column B (name of municipality) select the data you would like to update and type the new value.
- Built-up Land Area: move mouse pointer to column E. Starting at the row below the
 column description, in reference to column B (name of municipality) select the data
 you would like to update and type the new value.
- Agricultural Land Area: move mouse pointer to column F. Starting at the row below
 the column description, in reference to column B (name of municipality) select the
 data you would like to update and type the new value.
- Mangrove, Fishponds, In-land Area: move mouse pointer to column G. Starting at
 the row below the column description, in reference to column B (name of
 municipality) select the data you would like to update and type the new value.
- Open Land Area: move mouse pointer to column H. Starting at the row below the column description, in reference to column B (name of municipality) select the data you would like to update and type the new value.
- 3.2 To update the Future Land Use Data, click the tab of (M) Future Land Use sheet.
 - Forest Land Area: move mouse pointer to column C. Starting at the row below the column description, in reference to column B (name of municipality) select the data you would like to update and type the new value.
 - Grass Land Area: move mouse pointer to column D. Starting at the row below the
 column description, in reference to column B (name of municipality) select the data
 you would like to update and type the new value.
 - Built-up Land Area: move mouse pointer to column E. Starting at the row below the
 column description, in reference to column B (name of municipality) select the data
 you would like to update and type the new value.
 - Agricultural Land Area: move mouse pointer to column F. Starting at the row below
 the column description, in reference to column B (name of municipality) select the
 data you would like to update and type the new value.
 - Mangrove, Fishponds, In-land Area: move mouse pointer to column G. Starting at
 the row below the column description, in reference to column B (name of
 municipality) select the data you would like to update and type the new value.
 - Open Land Area: move mouse pointer to column H. Starting at the row below the
 column description, in reference to column B (name of municipality) select the data
 you would like to update and type the new value.

8.3. Updating Health Data Base

- Click the File menu, select Open. Short-cut: Click the Open button.
- 2. From the Open Dialog Box. Select the health xls filename.
- 3.1 To update the Morbidity, Mortality and Infant Mortality Data, click the tab of (M) Morbidity and Mortality sheet.

- Number of Morbidity Case: move mouse pointer to column E. Starting at the row below the column description, in reference to column C (name of diseases) select the data you would like to update and type the new value.
- Number of Mortality Case: move mouse pointer to column F. Starting at the row below the column description, in reference to column C (name of diseases) select the data you would like to update and type the new value.
- Number of Infant Mortality Case: move mouse pointer to column G. Starting at the row below the column description, in reference to column C (name of diseases) select the data you would like to update and type the new value.

3.2 To update the Facility and Practitioner Data click the tab of (M) Facility and Practitioner sheet.

- Number of Hospital Facility: move mouse pointer to column D. Starting at the row below the column description, in reference to column B (name of municipality) select the data you would like to update and type the new value.
- Number of Rural Health Unit (RHU): move mouse pointer to column E. Starting at
 the row below the column description, in reference to column B (name of
 municipality) select the data you would like to update and type the new value.
- Number of Barangay Health Station (BHS): move mouse pointer to column F.
 Starting at the row below the column description, in reference to column B (name of municipality) select the data you would like to update and type the new value.
- Number of Practicing Doctors: move mouse pointer to column H. Starting at the row below the column description, in reference to column B (name of municipality) select the data you would like to update and type the new value.
- Number of Practicing Nurses: move mouse pointer to column I. Starting at the row below the column description, in reference to column B (name of municipality) select the data you would like to update and type the new value.
- Number of Practicing Midwives: move mouse pointer to column J. Starting at the
 row below the column description, in reference to column B (name of municipality)
 select the data you would like to update and type the new value.
- Number of Practicing Dentists: move mouse pointer to column K. Starting at the row below the column description, in reference to column B (name of municipality) select the data you would like to update and type the new value.

8.4. Updating Water Resources Data Base

- 1. Click the File menu, select Open. Short-cut: Click the Open button.
- 2. From the Open Dialog Box. Select the h2o-res.xls filename.
- 3. To update the General Information Data, click the tab of (M) General Information sheet.
 - Number of Shallow (General Information): move mouse pointer to column E/H.
 Starting at the row below the column description, in reference to column C (description of information) select the data you would like to update and type the new value.

- Number of Deep Well (General Iinformation): move mouse pointer to column F/I.
 Starting at the row below the column description, in reference to column C
 (description of information) select the data you would like to update and type the new value.
- Number of spring (General Information): move mouse pointer to column G/I.
 Starting at the row below the column description, in reference to column C (description of information) select the data you would like to update and type the new value.

Note: To add succeeding municipality. Copy (M) General Information sheet and erase the default data and type the new data following the aforementioned procedures.

8.5. Updating Water Supply Data Base

1. Click the File menu, select Open.

Short-cut: Click the Open button.

- 2. From the Open Dialog Box. Select the h2osupp.xls filename.
- 3.1 To update the Level III System Data, click the tab of (S) Level III P1-4 sheet.
 - Data: move mouse pointer to column G.Starting at the row below the column
 description, in reference to column B (Info Description) select the data you would
 like to update and type the new data.

click the tab of (S) Level III P2-4 sheet.

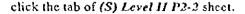
• Data: move mouse pointer to column G.Starting at the row below the column description, in reference to column B (Info Description) select the data you would like to update and type the new data.

click the tab of (S) Level III P3-4 sheet.

• Data: move mouse pointer to column G. Starting at the row below the column description, in reference to column B (Info Description) select the data you would like to update and type the new data.

click the tab of (S) Level III P4-4 sheet.

- Data: move mouse pointer to column G.Starting at the row below the column
 description, in reference to column B (Info Description) select the data you would
 like to update and type the new data.
- 3.2 To update the Level II System Data, click the tab of (S) Level II P1-2 sheet.
 - Data: move mouse pointer to column G.Starting at the row below the column
 description, in reference to column B (Info Description) select the data you would
 like to update and type the new data.



• Data: move mouse pointer to column G. Starting at the row below the column description, in reference to column B (Info Description) select the data you would like to update and type the new data.

3.3 To update the Level I Facility Data, click the tab of (F) Level I sheet.

Public Facility:

- Deep Well: move mouse pointer to column E. Starting at the row below the column description, in reference to column B (name of municipality) select the data you would like to update and type the new value.
- Shallow Well: move mouse pointer to column F. Starting at the row below the column description, in reference to column B (name of municipality) select the data you would like to update and type the new value.
- Covered/Improved Dug Well: move mouse pointer to column G. Starting at the row below the column description, in reference to column B (name of municipality) select the data you would like to update and type the new value.
- Open Dug Well: move mouse pointer to column H. Starting at the row below the column description, in reference to column B (name of municipality) select the data you would like to update and type the new value.
- Developed Spring: move mouse pointer to column I. Starting at the row below the
 column description, in reference to column B (name of municipality) select the data
 you would like to update and type the new value.
- Undeveloped Spring: move mouse pointer to column J. Starting at the row below the
 column description, in reference to column B (name of municipality) select the data
 you would like to update and type the new value.

Private Facility:

- Deep Well: move mouse pointer to column L. Starting at the row below the column description, in reference to column B (name of municipality) select the data you would like to update and type the new value.
- Shallow Well: move mouse pointer to column M. Starting at the row below the column description, in reference to column B (name of municipality) select the data you would like to update and type the new value.
- Covered/Improved Dug Well: move mouse pointer to column N. Starting at the row below the column description, in reference to column B (name of municipality) select the data you would like to update and type the new value.
- Open Dug Well: move mouse pointer to column O. Starting at the row below the column description, in reference to column B (name of municipality) select the data you would like to update and type the new value.

Rain Collector: move mouse pointer to column P. Starting at the row below the
column description, in reference to column B (name of municipality) select the data
you would like to update and type the new value.

8.6. Updating Environmental Sanitation Data base

- 1. Click the File menu, select Open. Short-cut: Click the Open button.
- 2. From the Open Dialog Box. Select the sanit.xls filename.
- 3.1 To update the Household Toilet Data, click the tab of (M) Household Toilets sheet.
 - Number of Urban Households Using Water Sealed Flush Toilet: move mouse
 pointer to column C. Starting at the row below the column description, in reference
 to column B (name of municipality) select the data you would like to update and type
 the new value.
 - Number of Rural Households Using Woter Scaled Flush Toilet: move mouse
 pointer to column D. Starting at the row below the column description, in reference
 to column B (name of municipality) select the data you would like to update and type
 the new value.
 - Number of Urban Households Using Water Sealed Pour Flush Toilet: move mouse
 pointer to column E. Starting at the row below the column description, in reference to
 column B (name of municipality) select the data you would like to update and type
 the new value.
 - Number of Rural Households Using Water Sealed Pour Flush Toilet: move mouse
 pointer to column F. Starting at the row below the column description, in reference to
 column B (name of municipality) select the data you would like to update and type
 the new value.
 - Number of Urban Households Using VIP Latrine Toilet: move mouse pointer to column G. Starting at the row below the column description, in reference to column B (name of municipality) select the data you would like to update and type the new value
 - Number of Rural Households Using VIP Latrine Toilet: move mouse pointer to column H. Starting at the row below the column description, in reference to column B (name of municipality) select the data you would like to update and type the new value.
 - Number of Urban Households Using Unsanitary Toilet: move mouse pointer to column K. Starting at the row below the column description, in reference to column B (name of municipality) select the data you would like to update and type the new value.
 - Number of Rural Households Using Unsanitary Toilet: move mouse pointer to column L. Starting at the row below the column description, in reference to column B (name of municipality) select the data you would like to update and type the new value.
 - Number of Urban Households Without Toilet: move mouse pointer to column N.
 Starting at the row below the column description, in reference to column B (name of municipality) select the data you would like to update and type the new value.

click the tab of (M) School Toilets sheet.

- Number of Public School: move mouse pointer to column C. Starting at the row below the column description, in reference to column B (name of municipality) select the data you would like to update and type the new value.
- Number of Private School: move mouse pointer to column D. Starting at the row below the column description, in reference to column B (name of municipality) select the data you would like to update and type the new value.
- Number of Student in Public School: move mouse pointer to column F. Starting at the row below the column description, in reference to column B (name of municipality) select the data you would like to update and type the new value.
- Number of Student in Private School: move mouse pointer to column G. Starting at
 the row below the column description, in reference to column B (name of
 municipality) select the data you would like to update and type the new value.
- Number of Sanitary Toilets in Public School: move mouse pointer to column I.
 Starting at the row below the column description, in reference to column B (name of municipality) select the data you would like to update and type the new value.
- Number of Sanitary Toilets in Private School: move mouse pointer to column J.
 Starting at the row below the column description, in reference to column B (name of municipality) select the data you would like to update and type the new value.
- Number of Unsanitary Toilets in Public School: move mouse pointer to column L.
 Starting at the row below the column description, in reference to column B (name of municipality) select the data you would like to update and type the new value.
- Number of Unsanitary Toilets in Private School: move mouse pointer to column M. Starting at the row below the column description, in reference to column B (name of municipality) select the data you would like to update and type the new value.

click the tab of (M) Public Toilets sheet.

- Number of Public Markets: move mouse pointer to column C. Starting at the row below the column description, in reference to column B (name of municipality) select the data you would like to update and type the new value.
- Number of Sanitary Toilets in Public Markets: move mouse pointer to column D.
 Starting at the row below the column description, in reference to column B (name of municipality) select the data you would like to update and type the new value.
- Number of Unsanitary Toilets in Public Markets: move mouse pointer to column E.
 Starting at the row below the column description, in reference to column B (name of municipality) select the data you would like to update and type the new value.
- Number of Jeepney/Bus Terminals: move mouse pointer to column G. Starting at
 the row below the column description, in reference to column 8 (name of
 municipality) select the data you would like to update and type the new value.

- Number of Sanitary Toilets in Jeepney/Bus Terminal: move mouse pointer to column H. Starting at the row below the column description, in reference to column B (name of municipality) select the data you would like to update and type the new value.
- Number of Unsanitary Toilets in Jeepney/Bus Terminal: move mouse pointer to column I. Starting at the row below the column description, in reference to column B (name of municipality) select the data you would like to update and type the new value.
- Number of Parks/Playground: move mouse pointer to column K. Starting at the row below the column description, in reference to column B (name of municipality) select the data you would like to update and type the new value.
- Number of Sanitary Toilets in Parks/Playground: move mouse pointer to column L.
 Starting at the row below the column description, in reference to column B (name of municipality) select the data you would like to update and type the new value.
- Number of Unsanitary Toilets in Parks/Playground: move mouse pointer to column
 M. Starting at the row below the column description, in reference to column B (name
 of municipality) select the data you would like to update and type the new value.

click the tab of (M) Drainage Facility sheet.

- Length of Drainage Main: move mouse pointer to column C. Starting at the row below the column description, in reference to column B (name of municipality) select the data you would like to update and type the new value.
- Length of Open Channel (with concrete and masonry): move mouse pointer to column D. Starting at the row below the column description, in reference to column B (name of municipality) select the data you would like to update and type the new value.
- Length of Open Ditches And Unlined Laterals: move mouse pointer to column E.
 Starting at the row below the column description, in reference to column B (name of municipality) select the data you would like to update and type the new value.
- Length of Reinforced Concrete Circular Pipes: move mouse pointer to column F.
 Starting at the row below the column description, in reference to column B (name of municipality) select the data you would like to update and type the new value.
- Length of Street Gutters: move mouse pointer to column G. Starting at the row below the column description, in reference to column B (name of municipality) select the data you would like to update and type the new value.
- Length of Outfalls To Rivers From Drainage Mains: move mouse pointer to
 column H. Starting at the row below the column description, in reference to column
 B (name of municipality) select the data you would like to update and type the new
 value.

click the tab of (M) Solid Waste sheet.

Number of Open Dump Trucks: move mouse pointer to column C. Starting at the
row below the column description, in reference to column B (name of municipality)
select the data you would like to update and type the new value.

- Number of Closed Type Trucks: move mouse pointer to column D. Starting at the
 row below the column description, in reference to column B (name of municipality)
 select the data you would like to update and type the new value.
- Number of Households Served By Open Dump Site: move mouse pointer to column F. Starting at the row below the column description, in reference to column B (name of municipality) select the data you would like to update and type the new value.
- Number of Households Served By Sanitary Landfill: move mouse pointer to column
 G. Starting at the row below the column description, in reference to column B (name of municipality) select the data you would like to update and type the new value.
- Number of Households Depending on Dumping on Land or Water: move mouse
 pointer to column H. Starting at the row below the column description, in reference
 to column B (name of municipality) select the data you would like to update and type
 the new value.
- Number of Households Depending on Burying: move mouse pointer to column I. Starting at the row below the column description, in reference to column B (name of municipality) select the data you would like to update and type the new value.
- Number of Households Depending on Composting: move mouse pointer to column J. Starting at the row below the column description, in reference to column B (name of municipality) select the data you would like to update and type the new value.

8.7. Updating Investment Data Base

- 1. Click the File menu, select Open. Short-cut: Click the Open button.
- 2. From the Open Dialog Box. Select the invest.xls filename.
- 3.1 To update the Past Investment Data, click the tab of (P) Past Invest sheet.
 - Shallow Well: move mouse pointer to column C. Starting at the row below the
 column description, in reference to column A (name of funding agency) select the
 data you would like to update and type the new value.
 - Deep Well: move mouse pointer to column D. Starting at the row below the column description, in reference to column A (name of funding agency) select the data you would like to update and type the new value.
 - Spring Development: move mouse pointer to column E. Starting at the row below
 the column description, in reference to column A (name of funding agency) select the
 data you would like to update and type the new value.
 - Well Rehabilitation: move mouse pointer to column F. Starting at the row below the column description, in reference to column A (name of funding agency) select the data you would like to update and type the new value.
 - Rain Collector: move mouse pointer to column G. Starting at the row below the column description, in reference to column A (name of funding agency) select the data you would like to update and type the new value.
 - Level II System: move mouse pointer to column H. Starting at the row below the column description, in reference to column A (name of funding agency) select the data you would like to update and type the new value.

- Level III System: move mouse pointer to column I. Starting at the row below the
 column description, in reference to column A (name of funding agency) select the
 data you would like to update and type the new value.
- Sewer System: move mouse pointer to column I. Starting at the row below the
 column description, in reference to column A (name of funding agency) select the
 data you would like to update and type the new value.
- Private Latrines: move mouse pointer to column K. Starting at the row below the
 column description, in reference to column A (name of funding agency) select the
 data you would like to update and type the new value.
- School Tailets: move mouse pointer to column L. Starting at the row below the column description, in reference to column A (name of funding agency) select the data you would like to update and type the new value.
- Public Toilets: move mouse pointer to column M. Starting at the row below the
 column description, in reference to column A (name of funding agency) select the
 data you would like to update and type the new value.

3.2 To update the Planned Future Investment Data click the tab of (P) Future Invest sheet.

- Project Name: move mouse pointer to column A. Starting at the row below the column description, type the project identification.
- Type of Project: move mouse pointer to column B. Starting at the row below the column description, in reference to column A (name of project) type the new value.
- Phase of Project: move mouse pointer to column C. Starting at the row below the column description, in reference to column A (name of project) type the new value.
- Project Location: move mouse pointer to column D. Starting at the row below the
 column description, in reference to column A (name of project) type the new value.
- Implementing Agency: move mouse pointer to column E. Starting at the row below the column description, in reference to column A (name of project) type the new value.
- Start Date of Project: move mouse pointer to column F. Starting at the row below
 the column description, in reference to column A (name of project) type the new
 value.
- Completion Date of the Project: move mouse pointer to column G. Starting at the
 row below the column description, in reference to column A (name of project) type
 the new value.
- Accomplishment Status (%): move mouse pointer to column H. Starting at the row below the column description, in reference to column A (name of project) type the new value.
- Number of Household Covered by the Project: move mouse pointer to column I.
 Starting at the row below the column description, in reference to column A (name of project) type the new value.
- Finance Agency: move mouse pointer to column I. Starting at the row below the column description, in reference to column A (name of project) type the new value.

- Cost of Level I Facility (Thousand of pesos): move mouse pointer to column K.
 Starting at the row below the column description, in reference to column A (name of project) type the new value.
- Cost of Level II System (Thousand of pesos): move mouse pointer to column L.
 Starting at the row below the column description, in reference to column A (name of project) type the new value.
- Cost of Level III System (Thousand of pesos): move mouse pointer to column M.
 Starting at the row below the column description, in reference to column A (name of project) type the new value.
- Cost of Sewer System (Thousand of pesos): move mouse pointer to column N.
 Starting at the row below the column description, in reference to column A (name of project) type the new value.
- Private Latrine (Thousand of pesos): move mouse pointer to column O. Starting at
 the row below the column description, in reference to column A (name of project)
 type the new value.
- Cost School Toilets (Thousand of pesos): move mouse pointer to column P. Starting at the row below the column description, in reference to column A (name of project) type the new value.
- Cost of Public Toilets (Thousand of pesos): move mouse pointer to column Q.
 Starting at the row below the column description, in reference to column A (name of project) type the new value.

8.8. Updating Key Parameter Data Base

- Click the <u>File</u> menu, select <u>Open</u>. Short-cut: Click the Open button.
- 2. From the Open Dialog Box. Select the keypar.xls filename.
- 3. To update the Key Parameter Data, click the tab of STable 2.6.2 sheet

Water Supply:

- Number of Household to be Served by Level I Facility: move mouse pointer to column H-Row 5. Type the new value.
- Water Consumption Rate for Level III System: move mouse pointer to column H-Row 6. Type the new value.

Sanitation:

- Standard Number of Student to be Served by a Unit of Sanitary Toilet: move mouse pointer to column H-Row 8. Type the new value.
- Standard Number of Toilets for Public Facility: move mouse pointer to column H-Row 9. Type the new value.

Medium-term Plan:

- Percentage of Population Covered by Urban Water Supply: move mouse pointer to column H-Row 11. Type the new value.
- Percentage of Population Covered by Rural Water Supply: move mouse pointer to column H-Row 12. Type the new value.

- Percentage of Population Covered by Sanitary Toilet: move mouse pointer to column H-Row 14. Type the new value.
- Percentage of Urban Household Covered by Flush Toilet: move mouse pointer to column H-Row 16. Type the new value.
- Percentage of Urban Household Covered by Pour Flush Toilet: move mouse pointer to column H-Row 17. Type the new value.
- Percentage of Urban Household Covered by VIP Latrine: move mouse pointer to column H-Row 18. Type the new value.
- Percentage of Rural Household Covered by Flush Toilet: move mouse pointer to column H-Row 20. Type the new value.
- Percentage of Rural Household Covered by Pour Flush Toilet: move mouse pointer to column H-Row 21. Type the new value.
- Percentage of Rural Household Covered by VIP Latrine: move mouse pointer to column H-Row 22. Type the new value.
- Percentage of Public Student Covered by School Toilet: move mouse pointer to column H-Row 23. Type the new value.
- Percentage of Public Utility Covered by Public Toilet: move mouse pointer to column H-Row 24. Type the new value.
- Percentage of Population Covered by Solid Waste Collection: move mouse pointer to column H-Row 25. Type the new value.

Long-term Plan:

- Percentage of Population Covered by Urban Water Supply: move mouse pointer to column H-Row 27. Type the new value.
- Percentage of Population Covered by Rural Water Supply: move mouse pointer to column H-Row 28. Type the new value.
- Percentage of Population Covered by Sanitary Toilet: move mouse pointer to column H-Row 30. Type the new value.
- Percentage of Urban Household Covered by Flush Toilet: move mouse pointer to column H-Row 32. Type the new value.
- Percentage of Urban Household Covered by Pour Flush Toilet: move mouse pointer to column H-Row 33. Type the new value.
- Percentage of Urban Household Covered by VIP Latrine: move mouse pointer to column H-Row 34. Type the new value.
- Percentage of Rural Household Covered by Flush Toilet: move mouse pointer to column H-Row 36. Type the new value.
- Percentage of Rural Household Covered by Pour Flush Toilet: move mouse pointer to column H-Row 37. Type the new value.
- Percentage of Rural Household Covered by VIP Latrine: move mouse pointer to column H-Row 38. Type the new value.
- Percentage of Public Student Covered by School Toilet: move mouse pointer to column H-Row 39. Type the new value.

- Percentage of Public Utility Covered by Public Toilet: move mouse pointer to column H-Row 40. Type the new value.
- Percentage of Population Covered by Urban Sewerage: move mouse pointer to column H-Row 41. Type the new value.

Rehabilitation:

• Percentage of Level I Wells for Rehabilitation: move mouse pointer to column H-Row 42. Type the new value.

Sector Management Cost:

- Percentage of Feasibility and Detail Design: move mouse pointer to column H-Row 44. Type the new value.
- Percentage of Construction Supervision: move mouse pointer to column H-Row 45. Type the new value.

Contingencies:

- Percentage of Physical Contingency: move mouse pointer to column H-Row 47. Type the new value.
- Percentage of Price Contingency: move mouse pointer to column H-Row 48. Type
 the new value.

Community Development and Training Cost:

- Percentage for Level III System: move mouse pointer to column H-Row 50. Type the new value.
- Percentage for Level I Facility and Level II System: move mouse pointer to column H-Row 51. Type the new value.

Recurrent Cost:

- Operating Cost for Level III System: move mouse pointer to column H-Row 52. Type the new value.
- Cost of Spare Parts/Equipment for Level III System: move mouse pointer to column H-Row 53. Type the new value.
- Cost of Spare Parts/Equipment for Level 11 System: move mouse pointer to column H-Row 54. Type the new value.
- Cost of Spare Parts/Equipment for Level 1 Facility: move mouse pointer to column H-Row 55. Type the new value.
- Public School Toilet Maintenance Cost: move mouse pointer to column H-Row S6.
 Type the new value.
- Public Utility Toilet Maintenance Cost: move mouse pointer to column H-Row 57. Type the new value.

Allocation Factors/Percentages of IRA:

- Percentage Share from Provincial IRA: move mouse pointer to column H-Row 59.
 Type the new value.
- Percentage Share from Municipal Barongay IRA: move mouse pointer to column H-Row 60. Type the new value.

Funding Levels/Percentages for Different Financing Scenarios:

- Ist Scenario: move mouse pointer to column H-Row 62. Type the new value.
- 2nd Scenario: move mouse pointer to column H-Row 63. Type the new value.
- 3rd Scenario: move mouse pointer to column H-Row 64. Type the new value.
- 4th Scenario: move mouse pointer to column H-Row 65. Type the new value.
- Sth Scenario: move mouse pointer to column H-Row 66. Type the new value.

click the tab of STable 2.6.3 sheet:

- Percentage Proportion of Water Source: move mouse pointer to column D. Starting
 at the row below the column description, in reference to column A (name of
 municipality), column B (type of area), column C (type of source) select the data you
 would like to update and type the new value.
- Range Depth of Well: move mouse pointer to column E. Starting at the row below
 the column description, in reference to column A (name of municipality), column B
 (type of area), column C (type of source) select the data you would like to update and
 type the new value.
- Average Specific Capacity: move mouse pointer to column F. Starting at the row below the column description, in reference to column A (name of municipality), column B (type of area), column C (type of source) select the data you would like to update and type the new value.

click the tab of STable 2.6.5 sheet.

Unsafe Percentage: move mouse pointer to column C. Starting at the row below the
column description, in reference to column A (name of municipality) select the data
you would like to update and type the new value.

click the tab of STable 2.6.6 sheet.

- Unit Construction Cost for New Level III System for 5,000 population: move mouse pointer to column B-Row 7. Type the new value.
- Unit Construction Cost for New Level III System for 10,000 population: move mouse pointer to column B-Row 8. Type the new value.
- Unit Construction Cost for New Level III System for 15,000 population: move mouse pointer to column B-Row 9. Type the new value.
- Unit Construction Cost for Level III System Expansion for 5,000 population: move mouse pointer to column B-Row 11. Type the new value.

- Unit Construction Cost for Level III System Expansion for 10,000 population: move mouse pointer to column B-Row 12. Type the new value.
- Unit Construction Cost for Level III System Expansion for 15,000 population: move mouse pointer to column B-Row 13. Type the new value.
- Unit Construction Cost for Level II System: move mouse pointer to column B-Row 14. Type the new value.
- Unit Construction Cost for Level 1 Facility (Deep Bell 40 meter depth): move mouse pointer to column B-Row 16. Type the new value.
- Unit Construction Cost for Level I Facility (Deep Well 80 meter depth): move mouse pointer to column B-Row 17. Type the new value.
- Unit Construction Cost for Level I Facility (Deep Well 120 meter depth): move mouse pointer to column B-Row 18. Type the new value.
- Unit Construction Cost for Level I Facility (Shallow Well): move mouse pointer to column B-Row 19. Type the new value.
- Unit Construction Cost for Rehabilitation of Level I Facility: move mouse pointer to column B-Row 20. Type the new value.
- Cost for Disinfection of Level 1 Wells: move mouse pointer to column B-Row 21.

 Type the new value.
- Unit Construction Cost for Flush Toilet: move mouse pointer to column B-Row 22. Type the new value.
- Unit Construction Cost for Pour Flush Toilet: move mouse pointer to column B-Row 23. Type the new value.
- Unit Construction Cost for VIP Latrine Toilet: move mouse pointer to column B-Row 24. Type the new value.
- Unit Construction Cost for School Toilet: move mouse pointer to column B-Row 25. Type the new value.
- Unit Construction Cost for Public Toilet: move mouse pointer to column B-Row 26. Type the new value.
- Unit Construction Cost for Urban Sewerage: move mouse pointer to column B-Row 27. Type the new value.

click the tab of STable 2.6.4 sheet.

Urban Water Supply (Level III System):

- Feasibility Study and Detail Design: move mouse pointer to Row 6. Starting at Column F (Year 1996) up to Column J (Year 2000) select the data you would like to update and type the new value.
- Construction and Supervision: move mouse pointer to Row 7. Starting at Column F
 (Year 1996) up to Column J (Year 2000) select the data you would like to update and
 type the new value.
- Community Development and Training: move mouse pointer to Row 8. Starting at Column F (Year 1996) up to Column J (Year 2000) select the data you would like to update and type the new value.

Rural Water Supply (Level I Facility):

- Detail Design: move mouse pointer to Row 10. Starting at Column F (Year 1996) up to Column J (Year 2000) select the data you would like to update and type the new value.
- Construction and Supervision: move mouse pointer to Row 11. Starting at Column F (Year 1996) up to Column J (Year 2000) select the data you would like to update and type the new value.
- Community Development and Training: move mouse pointer to Row 12. Starting at Column F (Year 1996) up to Column J (Year 2000) select the data you would like to update and type the new value.

Rural Water Supply (Level II System):

- Detail Design: move mouse pointer to Row 14. Starting at Column F (Year 1996) up to Column J (Year 2000) select the data you would like to update and type the new value.
- Construction and Supervision: move mouse pointer to Row 15. Starting at Column F (Year 1996) up to Column J (Year 2000) select the data you would like to update and type the new value.
- Community Development and Training: move mouse pointer to Row 16. Starting at Column F (Year 1996) up to Column J (Year 2000) select the data you would like to update and type the new value.

Sanitation:

- Urban Household Toilet: move mouse pointer to Row 17. Starting at Column F
 (Year 1996) up to Column J (Year 2000) select the data you would like to update and
 type the new value.
- Rural Household Toilet: move mouse pointer to Row 18. Starting at Column F
 (Year 1996) up to Column J (Year 2000) select the data you would like to update and
 type the new value.
- Public School Toilet: move mouse pointer to Row 19. Starting at Column F (Year 1996) up to Column J (Year 2000) select the data you would like to update and type the new value.
- Public Toilet: move mouse pointer to Row 20. Starting at Column F (Year 1996) up to Column J (Year 2000) select the data you would like to update and type the new value.
- Disinfection of Level I Wells: move mouse pointer to Row 21. Starting at Column F
 (Year 1996) up to Column J (Year 2000) select the data you would like to update and
 type the new value.
- Detail Design: move mouse pointer to Row 22. Starting at Column F (Year 1996) up to Column J (Year 2000) select the data you would like to update and type the new value.
- Construction and Supervision: move mouse pointer to Row 23. Starting at Column F (Year 1996) up to Column J (Year 2000) select the data you would like to update and type the new value.

 Community Development and Training: move mouse pointer to Row 24. Starting at Column F (Year 1996) up to Column J (Year 2000) select the data you would like to update and type the new value.

click the tab of STable 2.6.7 & 2.6.8 sheet.

Scoring Factor for Municipal Investment Ranking for Urban Water Supply:

- Minimun Percentage of Underserved and Unserved Population in Base Year: move
 mouse pointer to column B, in reference to column A (score) select the data you
 would like to update and type the new value.
- Maximum Percentage of Underserved and Unserved Population in Base Year: move
 mouse pointer to column D, in reference to column A (score) select the data you
 would like to update and type the new value.
- Weight Allocation Score for Underserved and Unserved Population in Base Year; move mouse pointer to column C-Row 9. Type the new value.
- Minimun Percentage of Underserved and Unserved Population in Phase I: move
 mouse pointer to column E, in reference to column A (score) select the data you
 would like to update and type the new value.
- Maximu Percentage of Underserved and Unserved Population in Phase I: move mouse pointer to column G, in reference to column A (score) select the data you would like to update and type the new value.
- Weight allocation Score for Underserved and Unserved Population in Phase I: move mouse pointer to column F-Row 9. Type the new value.
- Minimun Percentage of Underserved and Unserved by Level III System in the Base Year: move mouse pointer to column H, in reference to column A (score) select the data you would like to update and type the new value.
- Maximum Percentage of of Underserved and Unserved by Level III System in the Base Year: move mouse pointer to column J, in reference to column A (score) select the data you would like to update and type the new value.
- Weight Allocation Score for Underserved and Unserved by Level III System in the Base Year: move mouse pointer to column I-Row 9. Type the new value.

Scoring Factor for Municipal Comprehensive Investment Ranking:

- Minimun Percentage of Rural Water Supply: move mouse pointer to column E, in reference to column A (score) at starting at row 15, select the data you would like to update and type the new value.
- Maximum Percentage of Rural Water Supply: move mouse pointer to column G, in reference to column A (score) at starting at row 15, select the data you would like to update and type the new value.
- Weight Allocation Score for Rural Water Supply: move mouse pointer to column F-Row 20. Type the new value.
- Minimum Percentage of Urban Sanitation: move mouse pointer to column H, in reference to column A (score) at starting at row 15, select the data you would like to update and type the new value.

- Maximum Percentage of Urban Sanitation: move mouse pointer to column I, in reference to column A (score) at starting at row 15, select the data you would like to update and type the new value.
- Weight Allocation Score for Urban Sanitation: move mouse pointer to column I-Row 20. Type the new value.
- Minimum Percentage of Rural Sanitation: move mouse pointer to column K, in reference to column A (score) at starting at row 15, select the data you would like to update and type the new value.
- Maximum Percentage of Rural Sanitation: move mouse pointer to column M, in reference to column A (score) at starting at row 15, select the data you would like to update and type the new value.
- Weight Allocation Score for Rural Sanitation: move mouse pointer to column L-Row 20. Type the new value.

8.9. Updating Unit Construction Cost Data Base

8.9.1. Water Supply

- 1. Click the File menu, select Open. Short-cut: Click the Open button.
- 2. From the Open Dialog Box. Select the chap-10.xls filename.
- 3.1. To update the Unit Cost for Level III (5,000 population), click the tab of STable 10.2.7 sheet.
 - Quantity: move mouse pointer to column C. Starting at the row below the column
 description, in reference to column B (item description) select the data you would
 like to update and type the new value.
 - Unit Cost: move mouse pointer to column E. Starting at the row below the column description, in reference to column B (item description) select the data you would like to update and type the new value.

3.2. To update the Unit Cost for Level III (10,000 population),

click the tab of STable 10.2.8 sheet.

- Quantity: move mouse pointer to column C. Starting at the row below the column description, in reference to column B (item description) select the data you would like to update and type the new value.
- Unit Cost: move mouse pointer to column E. Starting at the row below the column
 description, in reference to column B (item description) select the data you would
 like to update and type the new value.

3.3.To update the Unit Cost for Level III (15,000 population), click the tab of STable 10.2.9 sheet.

Quantity: move mouse pointer to column C. Starting at the row below the column
description, in reference to column B (item description) select the data you would
like to update and type the new value.

• Unit Cost: move mouse pointer to column E. Starting at the row below the column description, in reference to column B (item description) select the data you would like to update and type the new value.

3.4.To update the Unit Cost for Level II (600 population), click the tab of STable 10.2.6 sheet.

- Lump Cost of Spring Box: move mouse pointer to column G-Row-4. Type the new value.
- Quantity of Installation of Pipelines and Fittings: move mouse pointer to column D. Starting at the row below the column description, in reference to column B (item description) select the data you would like to update and type the new value.
- Unit Cost of Installation of Pipelines and Fittings: move mouse pointer to column F. Starting at the row below the column description, in reference to column B (item description) select the data you would like to update and type the new value.

3.5.To update the Unit Cost for Level I (Deep Well - 40 m depth), click the tab of STable 10.2.1 sheet,

- Lump Sum Cost of Mobilization/Demobilization: move mouse pointer to column F-Row-4. Type the new value.
- Quantity: move mouse pointer to column C. Starting at the row below the column
 description, in reference to column B (item description) select the data you would
 like to update and type the new value.
- Unit Cost: move mouse pointer to column E. Starting at the row below the column
 description, in reference to column B (item description) select the data you would
 like to update and type the new value.

3.6.To update the Unit Cost for Level I (Deep Well - 80 m depth), click the tab of STable 10.2.2 sheet

- Lump Sum Cost of Mobilization/Demobilization: move mouse pointer to column F-Row-4. Type the new value.
- Quantity: move mouse pointer to column C. Starting at the row below the column
 description, in reference to column B (item description) select the data you would
 like to update and type the new value.
- Unit Cost: move mouse pointer to column E. Starting at the row below the column description, in reference to column B (item description) select the data you would like to update and type the new value.

3.7.To update the Unit Cost for Level I (Deep Well - 120 m depth), click the tab of STable 10.2.3 sheet.

- Lump Sum Cost of Mobilization/Demobilization: move mouse pointer to column F-Row-4. Type the new value.
- Quantity: move mouse pointer to column C. Starting at the row below the column description, in reference to column B (item description) select the data you would like to update and type the new value.

• Unit Cost: move mouse pointer to column E. Starting at the row below the column description, in reference to column B (item description) select the data you would like to update and type the new value.

3.8.To update the Unit Cost for Level I (Deep Well Rehabilitation), click the tab of STable 10.2.4 sheet.

- Lump Sum Cost of Mobilization/Demobilization: move mouse pointer to column F-Row-4. Type the new value.
- Quantity: move mouse pointer to column C. Starting at the row below the column description, in reference to column B (item description) select the data you would like to update and type the new value.
- Unit Cost: move mouse pointer to column E. Starting at the row below the column description, in reference to column B (item description) select the data you would like to update and type the new value.
- 3.9.To update the Unit Cost for Level I (Shallow Well 18 m depth), click the tab of STable 10.2.5 sheet.
 - Lump Sum Cost of Mobilization/Demobilization: move mouse pointer to column F-Row-4. Type the new value.
 - Quantity: move mouse pointer to column C. Starting at the row below the column description, in reference to column B (item description) select the data you would like to update and type the new value.
 - Unit Cost: move mouse pointer to column E. Starting at the row below the column
 description, in reference to column B (item description) select the data you would
 like to update and type the new value.

8.9.2. Environmental Sanitation

- 1. Click the File menu, select **Open**. Short-cut: Click the **Open** button.
- 2. From the Open Dialog Box. Select the chap-10.xls filename.
- 3.1.To update the Unit Cost of Flush Water Sealed Toilet with Septic click the tab of STable 10.2.10 sheet.
 - Quantity: move mouse pointer to column C. Starting at the row below the column description, in reference to column B (item description) select the data you would like to update and type the new value.
 - Unit Cost: move mouse pointer to column E. Starting at the row below the column description, in reference to column B (item description) select the data you would like to update and type the new value.
- 3.2. To update the Unit Cost of Pour Flush Toilet with Double Pit Latrine click the tab of STable 10.2.11 sheet.
 - Quantity: move mouse pointer to column C. Starting at the row below the column
 description, in reference to column B (item description) select the data you would
 like to update and type the new value.

3.3.To update the Unit Cost of Ventilated Improved Pit Latrine (VIP) click the tab of STable 10.2.12 sheet.

- Quantity: move mouse pointer to column D. Starting at the row below the column
 description, in reference to column C (item description) select the data you would
 like to update and type the new value.
- Unit Cost: move mouse pointer to column H. Starting at the row below the column
 description, in reference to column C (item description) select the data you would
 like to update and type the new value.

3.4. To update the Unit Cost of School Toilet click the tab of STable 10.2.13 sheet.

- Quantity: move mouse pointer to column D. Starting at the row below the column
 description, in reference to column C (item description) select the data you would
 like to update and type the new value.
- Unit Cost: move mouse pointer to column H. Starting at the row below the column description, in reference to column C (item description) select the data you would like to update and type the new value.

3.5. To update the Unit Cost of Public Toilet click the tab of STable 10.2.14 sheet.

- Quantity: move mouse pointer to column D. Starting at the row below the column
 description, in reference to column C (item description) select the data you would
 like to update and type the new value.
- Unit Cost: move mouse pointer to column H. Starting at the row below the column
 description, in reference to column C (item description) select the data you would
 like to update and type the new value

9. Standard Report Format

The following page describes the standard report format. Please refer to MS-Word Basic Operation in Section 5 for procedure in setting the MS-Word environment.

Specification for Standard Report Format

Edge o	f paper. Title of section
4.	EXISTING FACILITIES AND SERVICE COVERAGE—
4.1.	Water Supply - Sub-section
	Text box
4.2.	General →-
	All around margin - 1"
	This is an example output of the main text.
	Spacing between paragrpah - 1 blank line.
	Type and composition of water supply facilities are classified into
	three service levels based on the definition given in the National
[Sector Master Plan and presented in Table 4.1.1. Various types of
ĺ	Level I Facilities/sources defined to safe and unsafe sources by DOH.
	This classification adopted for preparation of PW4SP does not
1	disregard the facts that the existing improved/covered dug well is
ŀ	sometimes yielding non-potable water.
-	1st indent • 0.5" (1) Problem areas
	2nd indent - 0.25"
	Problem areas are identified through review of the exsiting water
	supply facilities and countermeasures and recommendations for
	their improvement are prepared to reflect on the future planning in
	PW4SP.
	Comments on each sub-title shall be followed in the manner as shown herewith.
	Line spacing - 1.5 line.
1	a. Driven shallow wells
	· · · · · · · · · · · · · · · · · · ·
	Most of driven shallow wells are exposed to danger of pollution through seepage of surface water.
-	3rd indent - 0.25"
1	- 4th indent - 0.25"
1	4m maen - 0.23
i	Standard settings;
Į	Standard Font - New Roman Times.
ĺ	Font Size - 11 points.
	Paragraph - Justified alignment.
	Title of Section - Bold Font, All Upper Case.
	Sub-Section - Bold Font, First Letter Upper Case.



3.3 Socio-economic Conditions

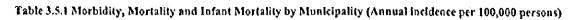
3.3.2 Basic Infrastructure

Table 3.3.1 Number of Elementary School, High School and Other Served Facilities

Banks and Financing Institutions Hospitals Page:
Date: 21 Jul. 1998
Filename: Socio.xls
Form No.: P.1.5 Colleges and Universities Vocational Schools Number Services (As of 1997) Total High School Number Private Number Public Number Total 2 2 2 5 2 할말 5 2 2 5 5 9 Prov. Name: Surigao del Norte Elementary School Provincial Water Supply, Sewerage And Sanitation Sector Plan (PW4SP) Number Private Prov. Number: 1367 Public Number 5 2 **2** 2 |으 7 7 2 2 2 2 0 15 15 12 7 21 15 =]≋ Name of City or Municipality San Francisco (Anao-Aon) Character Surigao Ciry (Capital) Santa Monica (Sapao) Content: Socio-economic - Services Data Collection Level: Provincial Region Number: CARAGA Basilisa (Rizal) General Luna Libjo (Albor) Tagana-An Tubajon Del Carmen San Benito Gigaquit Malimono Cagdianao San Isidro Mainit Dinagat San Jose Sison Socotto Claver Loreto Tubod Pilar Placer 136722 136723 136724 136725 136726 136726 50urce: 136708 136709 136710 136713 136713 136714 136716 136718 136719 136720 136728 Number 136701 136702 136703 136704 136705 136706 Code Geographic

3.5 Health Status

3.5.1 Morbidity. Mortality and Infant Mortality



ontent Health - Mor	hidio	age and Sanitation Sector Plan (PW45			nber 1361				Page:	1 1 1000		
ontent Health - Pior ata Collection Level:	Dearty Se	on proctatity	Prov. Name Su		None					Jul. 1998		
egion Number, CAR		21	Municipal Nurr Municipal Nurr							Health x		
egion Number, CAIO	24.2		arumerpai Nari	,		•				mben P3	<u> </u>	
anse Group Diseases	1		Water Related	<u> </u>		And	tual Incide	nce per 10	0000 Pc	oole		
of	Disease No.	Name of Diseases (Group)	Diseases	ĺ	Morbidity		i	Mortality		Inf	ani Morta	lity
**	Α	1.00	11120000	Male	Female	Total	Male	Female	Total	Male	Female	Total
Infective	A 01	2-4/ Typhoid-Parathyphoid	X	36	28	64		1	1		4 (11.10)	Color
and	A 02	S-7/ Dysentery	x									
Parasitic	A 03	8-10/ Intestinal Parasites	X								 	
(001-136)	A 64	11-13/ Diantea	X	1,402	1,438	2,840	8	8	16		T	ì
, ,	A 65	14-16/ Tuberculosis		198	179	377	198	59	257			
	A 06	17-19/ Conjunctivities	х									
	A 07	20-22/ Whooping Cough		540	885	1,425				Ì		
	A CS	23-25/ Throat/Ear/Nose				7 7						
	A 09	26-28/ Tetanus		2,333	359	2,692	1		1	1	T-	1
	A 10	29-31/ Septicemia					10	17	27		1	1
	3.11	32-34/ Cholera	Х	87	80	167						
	A 12	35-31/ Varicella, Chickenpox		28	33	61						
	A D	38-40/ Meastes		12!	133	259	111					
	A 14	41-43/ Dongue Fever	X	8	14	22				L		L
	A 15	44 46/ Viral Hepatitis	X	33	10	43	2	1	. 3	L	l	
	A 16	47-49/ Malaria	X	12		15	1		1_		L	
	A 17	50-52/ Schistosomiasis	X	54	39	93	8	3	11		L	L
	A 18	53-55/ Filariasis	X	84	75	159			L	1	L	
1.4	A 19	56-58/ Venerial Diseases	<u></u>	10	28	38	ļ	ļ			ļ	
	A 20	59-61/ Other Bacter / Viral Dis		ļ	<u> </u>		ļ				 _	ļ
Neoplasma	BOI	62-64/ Malignant Neoplasms		8		12	52	22	47		L	L
(140-239)	B 02	65-67/ Leukemia		├	<u> </u>				2	ļ		
Endocrine, Nutritional		68-70/ Diabetes Mellites		1	6	- 93	111	4	15		<u> </u>	<u> </u>
& Metabollic	C 02	71-73/ Nutritional Deficiencies		 _	ļ		2	5	7	2	!	2
(250-279)	C 03	74-76/ Endocrine Disorder	ļ	 -	↓		<u> </u>	1	ļ	ļ	_	ļ
Blood & Blood Forming Organs (280-289)	DOL	77-79/ Anemias		80	236	316]					
Mental Disorder (290-319)	E O1		<u> </u>					:		1	<u> </u>	İ .
Nervous System & Sense Organs	F 01	80-82/ Meningitis		3	3	5	4	5	9	ı	<u> </u>	!
(320-389)	F 02	83-85/ Nervous System	ŀ	Į.	1 .	1 1	1	7 7	, ,	1:		1
Circulatory	G 01	86-88/ Heart Diseases		84	104	188	7	5 .	12	2	2	4
Systems (390 459)	G 02	89-91/ Vascular Diseases		T		1 7 1	31	29	60		\top	1
	H 01	92-94/ Brorichitis	I.	1,307	1,181	2,488	2		3]
Respiratory	H 03	95-97/ Preumonia	L	1,526	1,483	3,009	64	54	118	10	3	13
Systems	H 03	98-100/ Influenza		2,585	2,672	5,257		1		T	I	1
(460-519)	H 04	101-103/ Obstructive Pulmonary					1 1	2	3			
	H 05	104-106/ ARI	1	569	664	1,233						Γ
Digestive	101	107-109/ Appendicitis		1		<u> </u>		 	1			1_
System	102	110-112/ Gastroent. Colitis		<u> </u>	<u> </u>	L	1		<u> </u>	2	3	5
(520-579)	103	113-115/ Chronic Liver Disease		 	₩-	1	19	3	22	1		
	104	116-118/ Other Diges Diseases	 			+	10	4	14	+	1	
Genito-Uninary	151	119-121/ Kidney/ Nephritis	1	 	- 	·	13	19	32			+
System (580-629) Complication of	1 02	122-124 Urinary Infections	 	269	271	540	1		11	 	+	╂
Pregnancy & the Puerperium (530-576	K 01	125-127/ Prematurity					s	4	9	4	4	8
Skin & Subcutaneou		128-130/ Skin Diseases	×	36	37	73	1 -	1	†	 	1	1
Tissue (680-709)		131-13V Scables	1 ×	- 	 	† <u> </u>	1	1	1	+	 	
Musculaoskeletal & Connective Tissue	- [134-136/ Arthrop , Rheumatism		7	12	19			T -			
(710-739) Congenital Anomalia (740-759)	NOI	137-139/ Congenital Anomalies	-	ļ <u>.</u>	1		8	2	10	+		\dagger
	P.01	140-142/ Binh Trauma						+		-		+-
Certain Causes of Prenatal		143-145/ Birth Injuries & Difficul Labor	Tt.	1			 	7	7	1		†
Morbitity & Mortalii	P.03	145-148/ Resp. Fetus/Newborn	1	1	1	†	1	 	+ $$	i –	1	+
(760-779)	P 04	159-151/ Other Prenatal Causes	 	1	1	 	17	30	47		1	+-
Symptoms & Illdefined Condition	9 01	152-154/ Senitivy								Ī		
(780-799) Accidents, Poisonin	Q 02	155-157/ Bi-Defined Conditon 158-160/ Burns	ļ		-	 	 		ļ	-		1
& Violence	R 02	161-163/ Suffor Foreign Body			 	+	6	+ .	7	 		+
(800-999)	R 03	164-166/ Other Accidents	1	┪╌	┪	+-	78	13	91	+	+	



3.6 Environmental Conditions 3.6.3 Solid Waste Disposal

Table 3.6.1 Municipal Solid Waste Collection and Disposal by Municipality

CATICIA	Provincial Water Supply, Sewerage and Sanitation Sector Plan (PW4SP)	and Sanitation	Sector Plan (PW45)				Date	Date: 21 Jul. 1998	œ
ontent: En	Content: Environment Sanitation - Solid Waste Collection and Misposa.	Solid Waste C	oliection and Mis	Party Number 1367	767			Filename: Santation.xls	non.xls
ata Collec	Data Collection Level: Provincial			Prov. Name: Sunyao del Norte	yao del Norte			Form Number: P.6.6	6.6
cgion Nur	Region Number: CARAGA		405/83	Wish Municipal Service	1		^	Without Service	U
əşx		Numbe	Number of Collection Trucks	Trucks		Disposal	Numb	Number of Household by Manner of Disposal	old by sal
Oeographic C	Name of City or Municipality	Open Dump Trucks	Closed Type Trucks	Total Units	Number of Households Served by Open Dump	Number of Household Served by Saniary	Dumping (Land and Water)	Burying	Composting
				1		Zimost	Number	Number	Number
Number	Character	Number	-Sumper	Number	2011		1.466		285
136701	Alegna			-	252		1.026		8
136702	Bacuag	-			3	1,566		295	1,126
- 6	Basilisa (Rizal)								204
136704	Burgos				1.137		145		619
136705	Caggianao			-	169	169	1.560		
20/00	Claver				20		193	0\$6	1,589
36707	Dapa						1,742		
•							1.108	225	
136709				,	729	8.1	185	1,230	250
136710		7					1.966	587	
30/1	Cigaquit	-		-		510	2,411		
136713	Libjo (Albor)	1						358	230
136713					611		1.839	550	
130714	Mainit				170		258	720	1
C1/00:	36/15 Manmono				120		1,275		159
20/10	rital			-	883		1,032		2
136/1/		-		-			280	173	
136710		Aon)			1,018		853		38
136720									
136778				_	1,817		1,705	\$	200
136721				-	654	683			
136771	Sison			_	999		1.148		
136723	Socorto						1,822	548	357
136724		3	12	15	20,499		381		
136775							1.608	491	320
124.704					338		297		
	_							20	2,017

- 4. EXISTING FACILITIES AND SERVICE COVERAGE
- 4.1 Water Supply
- 4.2 Type of Facilities and Definition of Service Level Standard

NEDA Board Resolution No. 12 (s. 1995)

APPROVING THE COMMON DEFINITION OF TERMS RELATIVE TO WATER SUPPLY, SEWERAGE AND SANITATION

DEFINITION OF TERMS

Water Supply

Levels of Service

Three levels of water service shall be provided to urban and rural communities depending upon technical and financial considerations, the needs of the WDs and RWSAs, and their willingness and ability to share in the costs and the responsibility of constructing and maintaining the water systems, These are:

- Level I (point source) a protected well or a developed spring with an outlet but without a distribution system, generally adaptable for rural areas where the houses are thinly scattered. A Level I facility normally serves an average of 15 households.
- 2. Level II (communal faucet system or standposts) -- a system composed of a source, a reservoir, a piped distribution network, and communal faucets. Usually one faucet serves 4 to 6 households. Generally suitable for rural and urban fringe areas where houses are clustered densely to justify a simple piped system.
- 3. Level III (waterworks system or individual house connections) a system with a source, a reservoir, a piped distribution network and household taps. It is generally suited for densely populated urban areas.

Urban – the revised definition of urban population included the criteria on the economic and social functions of barrios, poblaciones and central districts resulting to the new definition which states:

- In their entirely, all municipal jurisdictions which, whether designated as chartered cities, provincial capital or not, have a population density of at least 1,000 persons per square kilometers.
- 2. Poblaciones or central districts of municipalities and cities which have a population density of at least 500 persons per square kilometer.
- 3. Poblaciones or central districts (not included in nos. 1 and 2) regardless of population size which have the following:
 - a. Street pattern, i.e., network of streets in either at parallel or right angle orientation;
 - b. At least six establishments (commercial, manufacturing, recreational and/or personal services); and
 - c. At least three of the following:
 - a town hall, church or chapel with religious services at least once a month;
 - ii) a public plaza, park or cemetery;
 - iii) a market place or building on at least once a week and
 - a public building like school, hospital, puericulture and health center or library.
- 4. Barrios having at least 1,000 inhabitants which meet the conditions setforth in no. 3 above, and in which the occupation of the inhabitants is predominantly non-farming/fishing.

Rural – all areas not falling under the urban classification (National Statistics Office).

Rural Waterworks and Sanitation Association (RWSAs) – non-stock, non-profit organizations envisioned to operate and mange Level II water supply facilities.

Barangay Waterworks and Sanitation Association (BWSA) – non-stock, non-profit organizations envisioned to operate and manage Level I water supply facilities.

Water Supply – for purpose of the plan, refers to the supply of the water for domestic, municipal, industrial/commercial uses.

Water Supply Coverage – refers to the number of people in a given community of geographical area who have access to safe water. The extent to which the population of a geographical area is covered (expressed in terms of the number of people served compared to the total population of that community or area).

Adequate Served - refers to those with the following rate or consumption:

Level II at least 20 liters/capita/day
Level III at least 60 liters/capita/day
Level III at least 100 liters/capita/day

Service Coverage - the no. of people a facility can serve.

Level I Water Supply Systems

- Deepwell are characterized by aquifers or water bearing formations generally located at a depth of more than 20 (mbgs.). Construction of deepwells with depths greater than 20 meters are recommended in these areas.
- 2. Shallow Well -- are areas suitable for construction of well with depths not more than 20 meters and are recommended for rural water supply development, particularly levels I and II services. Static water level in these areas are generally within 6 meters below ground surface.
- 3. Developed Springs developed to capture the natural flow of an aquifer, pollution generally originates close to the point of capture. It is projected by: 1) excluding shallow seepage waters through encircling the spring with a watertight chamber penetrating a safe-distance into the aquifer and; 2) diverting surface run-off away from the immediate vicinity.
- 4. Protected Dug Wells WASAMS defines protected dug wells as those which are adequately protected (guarded) against surface or outside contamination through the use of lining or covering, with a rim sufficiently raised above the ground level, and may be equipped with a pump (any type).

Salt Intrusion -- encroachment of salt water upon fresh water.

Potable Water - water that is satisfactory for drinking, culinary and domestic purposes and meets the requirements of the health authority having jurisdiction. (Plumbing Code).

Population Underserved – population inadequately served.

Population Unserved - population without access to water supply facility.

Population Served -- no. of population adequately served of connections x no. of persons served per connection.

Rainwater Cisterns/Collectors/Catchers – reservoirs, tanks or vessels for the storage of rainwater.

Reliable Water Supply -- efficiency in the delivery of water supply in terms of quantity and quality.

Safe Drinking Water - water must be free of disease-producing bacteria (pathogens). In addition, the water should not possess undesirable tastes, odors, colors, turbidity or chemicals.

Service Area – geographic jurisdiction of water utilities.

Non-revenue Water – unbilled water.

Appropriate Technologies -- suited to local conditions and resources.

Infiltration Galleries - horizontal wells which collect water over the entire length.

Accounted-for-water – billed water.

Access to Water Supply Facilities - access to water supply is categorized as follows:

Level 1 - the farthest user is not more than 250 meters from the point source.

Level II - the farthest house is not more than 25 meters from the communal faucet system.

Level III - the house have service connection from the system.

Private Water System -- privately-owned water supply system.

Public Water System - system owned by the government.

DEFINITION OF TERMS

Sewerage and Sanitation

Sanitation — the development and practical application of sanitary measures for the sake of cleanliness and protecting health.

Sanitary Toilet – is an approved type of facility used for receiving and disposing human waste (feces and urine).

APPROVED TYPES

- 1. Flush type of toilet facility with a mechanical device used to wash the waste into the receiving sewer or septic tank by the use of flushing water and with traps to provide a "water seal".
- 2. Poor Flush type of toilet facility without a mechanical device and in hand-flush with "water seal" connected to receiving sewer, septic tank or leaching pit.
- Ventilated Improved Pit refers to an on-site toilet facility without using any amount of water comprising a vent pipe with a fly screen used to trap flies in a pit and, also allows evacuation of foul air into the atmosphere. This minimizes foul odor with the latrine superstructure and traps flies that could not spread diseases through faecal contamination.
- 4. Sanitary Pit Privy type of toilet facility without using any amount of water, with a pit of at least 1-2 meters depth, a hole of one square meter, provided with a floor covering a riser, seat with cover which are all fly-and rodent proof and a building for privacy including the Antipolo type.

Unsanitary Toilet – a type of facility used for receiving and disposing human waste which does not fall under the category of approved types of toilet facilities.

UNAPPROVED/UNSANITARY TYPES

- Open Pit Privy- a pit of at least the same dimension as the sanitary pit privy, provided with pit flooring, with or without riser and seat and without cover to protect from flies and rodents.
- Overhang a structure provided with flooring and with an opening built above the body of water or above the ground without pit under it, used for defectation of the disposal of human waste. It can be a part of the house or a separate structure outside the house.

LEVELS OF TOILET USE

- 1. Communal a toilet facility shared by two or more households.
- 2. Public toilet facility located at public places like markets, bus stations, etc. intended for public use.
- 3. School a toilet facility located in a school.
- 4. Household a toilet facility being used by an individual household.

Sewerage - facilities that collect human waste and sullage from residences and establishments usually piped and conveyed in structures (sewers, pump stations) for eventual central treatment and safe disposal. Piped sewerage includes a collection system (street laterals), a conveyance system (trunk sewers and pump stations), and a treatment plant/disposal system.

Human Waste - solid (feces) and liquid (urine) wastes from human.

Sullage - liquid wastes resulting from washing, bathing and laundry.

Drainage System - facilities that deal with rainwater.

Unsanitary Drainage System – facilities without treatment that deal with rainwater and also receive septic tank overflow and sullage. Includes open canals.

Without Toilet – households without any toilet but using body of water like rivers, lakes, etc. open field including coastal areas, and other mean to dispose human waste.

Access -- availability of toilet facility within the household premises that can be used anytime.

On Site – the human waste is deposited and treated where the toilet facility is located.

Off Site – the human waste is transported for treatment.

4.2 Sanitation and Sewerage4.2.3 Sanitation Facilities and Service Coverage

Prov. Number: 1367 Prov. Number: 1367 Prov. Number: 1367 Prov. Number: 1367 Prov. Number: Sanitary Toicia Prov. Number: Original Pour Flush Pour Fl			(1,000)	O TOTAL	DWASP								いしてい			
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Placer 2,072 1,175 2,072 1,175 2,97 1,175 2,94 1,51 497 San Bentto 373 158 15 15 307 307 San Francisco (Anao-Aon) 552 888 275 62 260 San Isidro 301 373 178 483 246 777 San Isidro 1,766 1,178 483 246 106 200 San Jose 5an Jose 540 946 540 546 52 506 Sison 5corto 1,301 862 7,33 5,845 6,033 1,264 Sungao City (Capital) 1,921 5,845 5,845 6,033 41 249 Inbana-An 398 422 1,87 8 422 405 Inbana-An 287 1,331 287 1,337 8 422 405	1	Allar			389				389	705					503	204
San Bento 373 158 15 50 San Francisco (Anao-Aon) 552 888 275 62 260 San Isidro 301 373 13 483 246 777 San Isidro 175 556 1,178 483 246 777 San Isidro 5an Jose 175 556 1,66 22 200 Santa Monica (Sapao) 540 946 22 22 200 Sison 5corro 1,301 862 1,301 862 1,501 506 Sungao City (Capital) 1,921 5,845 5,845 6,033 41 5,64 Sungao City (Capital) 1,921 5,845 942 168 41 405 Inbajon 287 1,337 87 1,337 8 422 405		Jacer			2,072				2.072	1,175	,	131			764	77.1
San Francisco (Anao-Aon) 552 888 275 62 260 San Isidro 301 373 13 13 246 777 San Jose 1,76 1,78 483 246 717 San Jose 175 556 1,66 1,78 483 246 710 Santa Monica (Sapao) 540 946 22 20 20 Sison 540 946 22 566 506 Socorro 5corro 1,301 862 38 584 503 Sungao City (Capital) 1,921 5,845 5,845 6,033 1,464 Sungao City (Capital) 1,921 5,845 942 168 41 4405 Tubajon 287 1,331 287 1,337 8 422 405	T	San Benito			373				373	158					200	307
San Isidro 301 373 13 13 302 San Jose 1,366 1,178 483 246 7/7 Sania Monica (Sapao) 540 946 22 20 20 Sison 540 946 22 56 56 Socorro 550 7,38 584 56 56 Sungao City (Capital) 1,921 5,845 7,38 942 1,64 Ingana-An 398 422 168 41 405 Inbod 287 1,337 8 405	Т	San Francisco (Anao-Aon)			552		2.50		552	888		3			2	707
San Jose 1,966 1,178 483 440 77 Santa Monica (Sapao) 175 556 166 410 Santa Monica (Sapao) 540 946 22 200 Sison 1,301 862 1,301 862 56 Sungao City (Capital) 1,921 5,617 5,845 6,033 1,404 Sungao City (Capital) 1,921 5,617 5,845 6,033 41 5,54 Tagana-An 398 422 168 41 405 Tubajon 287 1,337 8 425 405	Т	San Isidro			301		-		301	573					705	700
Santa Monica (Sapao) 175 556 166 410 Sison 540 946 22 200 Sison 1,301 862 58 56 Sungao City (Capital) 1,921 5,617 5,845 7,538 5,845 6,033 Tagana-An 938 942 168 41 249 Tubajon 287 1,337 8 422 4405	Т	San Jose			1,966				1,966	1,178				9		1.623
Sison 540 946 22 200 Sison 1,301 862 58 506 Sociotro 1,301 862 58 506 Sungao City (Capital) 1,921 5,617 5,845 7,538 5,845 6,033 1,464 1,464 Tagana-An 938 942 938 942 168 41 229 Tubajon 287 1,337 8 405 405	1	Santa Monica (Sapao)			175				175	556					214	017
Socorro 1,301 862 58 58 506 Sungao City (Capital) 1,921 5,617 5,845 7,538 5,845 6.033 1,464 1 Tagana-An 938 942 938 942 168 41 249 Tubajon 287 1,337 8 405 405		ison			540				540	946					8	2002
Sungaco City (Capital) 1,921 5,617 5,845 7,538 5,845 6,033 1,464 1 Tagana-An 938 942 168 41 330 Tubajon 398 422 398 422 249 Tubajon 287 1,337 8 405	Т	ОСОЩО			1.301				1,301	862					925	SS
Tagana-An 938 942 938 942 168 41 330 Tubajon 287 1,337 8 405 405	т		1921		5,617				7,538	5.845					1,464	1.484.
Tubajon 398 422 8 422 649 7405 7405 7405 7405 7405 7405 7405 7405	Т				93.6				938	942	:	4]			330	330
1,000	٦F	in baron			308				368	422					677	449
	╁	Libod			787	ĺ			787	1.537	0				1504	405



Commission of the commission o						
Content: Environment Sanitation - School and Student	ol and Studen	111			Date: 21 Jul.	Jul. 1998
Data Collection Level: Provincial	Prov. Number: 1367	er: 1367			Filename: Sanitation.xls	nitation.xls
Region Number: CARAGA	Prov. Name.	Prov. Name: Sungao del Norte	Vorte		Form Number: P.6.	r: P.6.2
phic ति देव Name of City or Municipality		Number of School	įoc	aN.	Number of Student	ii.
 Э	Public	Private	Total	Public	Private	Total
Number	Number	Number	Number	Number	Number	Number
Aleonia	10	1	11	3,189	185	3.374
1	14	1	15	2,138	421	2,559
+	27		27	4,460		4,460
-	6		٥	1.506		1.506
	19	ļ:	61	2,928		2,928
136706 Claver	15		15	3,760	294	4.054
136707 Dana	23	2	25	159'5		5,631
- k :	27		27	2,156		2,156
136700 Panagat	11		11	3,152	421	3,573
136710 General Luna	16	:	16	3,156		3,156
т-	11	1	12	3,009	224	3,233
Т	16		16	3,535		3,535
	10		11	1,458	205	1,663
1	21	-	22	5.690	650	6,340
Т	19	-	19	3,932		3,932
┰	12		12	1,578		1.578
1	20	1	21	4,919	231	5.150
1.	14		14	2,301		2301
т-	14	1	15	2,524	195	2,719
7	12		12	1,578		1.578
136728 San Jose	13	1	14			
1-	8		8	1,365	:	1365
$\overline{}$	13		. 13	2,320		2,320
	16		16	3.886		3,886
136724 Sungao City (Capital)	7.1	4	51	32.028	4,200	36,228
_	13		13	2,775		2,775
	12		12	1,869		1,369

Source:

Provincial	Provincial Water Simply, Sewerace and Sanitation Sector Plan (PW4SP)	ctor Plan (P)	W4SP)			Page:		
Content: El	Content: Environment Sanitation - School Toilets					Date: 21 Ju	Jul. 1998	
Data Collec	Data Collection Level: Provincial		Prov. Number: 1367	cr: 1367		Filename: S	Filename: Sanitation.xls	
Region Nu	Region Number: CARAGA		Prov. Name: Surigao del Norte	: Surigao de	Norte	Form Number: P.6.3	er: P.6.3	
pyi ¢			Nu	mber of S	Number of School Toilets	ets		
letge boO	Name of City or Municipality		Sanitary		1	Unsanitary		Total Unit
)))		Public	Private	Total	Public	Private	Total	
Number	Character	Number	Number	Number	Number	Number	Number	Number
136701	Alegnia	26		26				92
136702	Bacuag							
136703	Basilisa (Rizal)	75		75				75
136704	Burgos							
136705	Cagdianao							
136706	Claver							
136707	Dapa	12		12				12
136708	_							
136709	Dinagat							
136710	General Luna	48		48				48
136711	Gigaquit	83		83				æ
136713	Libjo (Albor)							
136713	Loreto	40		40	3		~	5
136714	Mainit	9/		76	2	2	4	88
136715	Malimono	42	- 1	42				42
136716	Pilar							
136717	Placer	220		220				220
136718	San Benito	40		40				\$
136719	San Francisco (Anao-Aon)	75		75				?
136720	San Isidro	86		98				8
136728	San Jose	4		4				4
136721	Santa Monica (Sapao)							
136722	Sison	71		71				1/
136723	Socorro			-				
136724	Surigao City (Capital)	\$18		518				518
136725	Tagana-An							
136726		33		33				55
136727	Tubod	24		24				7,5

Source:

Name of City or Number: Sanitary Number: CARAGA Number: Caracter Number: Sanitary Number: Caracter Number: Sanitary Number: Caracter Number: Number: Sanitary Number: Caracter Number: Num	The second second	Motor Consults Secretarion and	Cantiation Co.	etor Plan (PW)	1SP)			Page:	
City or Number Prov. Number: 1367 Number of Sanitary Unsanitary Content: Fi	vironment Sanitation - Pul	blic Toilets(P	ublic Market				Date: 21 Jul. 1998	8661	
City or Number Sanitary Public Markets City or Number Sanitary Unsanit ality Number Number Number Of Sanitary Unsanit 2 2 2 2 2 2 1 1 1 1 2 2 1 1 1 2 2 1 1 1 2 2 1 1 1 2 1 1 1 2 2 1 1 1 2 2 1 1 1 2 1 1 1 2 2 1 1 1 2 1 1 1 2 2 1 1 1 2 2 1 1 1 2 2 1 1 1 3 3 1 1 1 4 1 1 1 4 1 1 1 5 2 2 1 1 1 1 2 1 1 1 2 2 1 1 1 3 2 2 4 1 1 1 4 1 1 1 5 2 2 6 6 6 Capital) 2 6 6 Capital) 2 6 6 Capital) 1 1 1 1 Capital) 2 6 6	Data Collec	non Level: Provincial		Prov. Number	r. 1367			Filename: Sanitation.xls	nitation.xls
City or Number Sanitary Number of Nu	Project Number	nber CARAGA		Prov. Name:	Surigao del No	orte		Form Number: P.6.4.1	r: P.6.4.1
Name of City or Municipality Number Sanitary Number Or Unsanit Adunicipality Number Male Female Male Alegra Number Number Number Number Number Alegra 1 </td <td></td> <td></td> <td></td> <td></td> <td>ď</td> <td>ublic Marke</td> <td>ets</td> <td></td> <td></td>					ď	ublic Marke	ets		
Municipality Number Sanitary Unsanit Character Number Male Female Male Alegna 2 2 2 2 Bacuag 2 2 2 2 Basilisa (Rizal) 1 1 1 1 Burgos 2 1 1 1 Cagdianao 2 1 1 1 Dapa 2 1 1 1 Derical 2 1 1 1 Claver 2 1 1 1 Claver 2 1 1 1 Claver 2 1 1 1 Maint 2 1 1 1 Maint 2 1 1 1		Name of City or				Number	of Toilets		
Male Female Male Female Male		Municipality	Number	Sam	tary	Unsa	mtary	To	Total
Alegra				Male	Female	Male	Female	Male	Female
Alegna 1	Number	Character	Number	Number	Number	Number	Number	Number	Number
Bacuag 2 2 2 Basilisa (Rizal) 1 1 1 Burgos 2 1 1 Cagdianao 2 1 1 Claver 2 1 1 Dapa 2 1 1 Diaga 2 1 1 Diaga 2 1 1 Caneral Luna 2 1 1 Dinagat 2 1 1 Coneral Luna 2 1 1 Josaput 2 1 1 Inbio (Albor) 1 1 1 Mainit 1 1 1 Malimono 2 1 1 San Francisco (Anao-Aor 2 1 1 San Isdro- 2 1 1 San Isdro- 2 1 1 San Isdro- 2 1 1 Santa Monica (Sapao) 2 1 <td>136701</td> <td>II.</td> <td></td> <td>-</td> <td>1</td> <td></td> <td></td> <td>:</td> <td>_</td>	136701	II.		-	1			:	_
Basilisa (Rizal) 1 1 Burgos 2 1 Cagdianao 2 1 Cagdianao 2 1 Claver 2 1 Dapa 2 1 Del Carmen 2 1 Dol Carmen 2 1 Dol Carmen 2 1 Cigadut 2 1 Lubjo (Albor) 1 1 Lubjo (Albor) 1 1 Maimt 2 1 Maimt 1 1 Malmono 2 1 San Benito 2 1 San Francisco (Anao-Aor 2 1 San Isidro 2 1 San Jose 1 2 San Jose 1 2 Surgao City (Capital) 2 1 Tagana-An 1 1 Tubajon 1 1	:36702	Васиах	2	2				2.	7
Burgos 2 1 Cagdianao 2 1 Cagdianao 2 1 Del Carmen 2 1 Dolagat 2 1 Ciaver 2 1 Del Carmen 2 1 Ciaver 2 1 Ciaver 2 1 Coneral Luna 2 1 Cigadut 2 1 Libjo (Albor) 1 1 Maimt 2 1 Maimt 1 1 Pilar 1 1 San Benito 2 1 San Francisco (Anao-Aor 2 1 San Isidro 2 1 San Jose 2 1 San Jose 2 1 Sucorro 2 1 Sucorro 1 2 Sucorro 1 2 Sucorro 1 6 Tagana-An	136703	Basilisa (Rizal)		1	1				
Cagdianao 2 1 Claver 2 1 Dapa 2 2 Del Carmen 2 1 Dinagat 2 1 General Luna 2 1 Loreto 2 1 Libjo (Albor) 1 1 Libjo (Albor) 1 1 Mainit 2 1 Mainit 1 1 Malimono 2 1 Pilar 1 1 San Francisco (Anac-Aor 2 1 San Isidro 2 1 San Isidro 2 1 Santa Monica (Sapao) 2 1 Sison 2 1 Socorro 2 1 Surgao City (Capital) 2 6 Tagana-An 1 1 Tubajon 1 1	136704	Burgos	2		ī			1	_
Claver 2 1 Dapa 2 2 Del Carmen 2 1 Dinagat 2 1 Dinagat Luna 2 1 General Luna 2 1 Loreto 2 1 Loreto 2 1 Mainit 1 1 Mainit 1 1 Pilar 1 1 Pilar 1 1 San Francisco (Anao-Aor 2 1 San Isidro 2 1 San Isidro 2 1 San Santa Monica (Sapao) 2 1 Sison 2 1 Socorro 2 1 Surgao City (Capital) 2 6 Tubajon 1 1	136705	Cagdianao	7	-	1			-	_
Dapa 2 2 Del Carmen 2 1 Dinagat 2 1 General Luna 2 1 Cigaquit 2 1 Loreco 2 1 Mainit 1 1 Mainit 1 1 Mainitono 2 1 Pilar 1 1 Palacer 1 1 San Francisco (Anao-Aor 2 1 San Francisco (Anao-Aor 2 1 San Isidro 2 1 San Isidro 2 1 San Isidro 2 1 San Sororro 2 1 Surgao City (Capital) 2 1 Surgao Angao City (Capital) 1 1 Tagana-An 1 1 Tubajon 1 1	136706	Claver	7	1	1				~
Del Carmen 2 1 Dinagat 2 1 General Luna 2 1 Gigaquit 2 1 Loreco 2 1 Mainit 1 1 Mainit 2 1 Maintono 2 1 Pilar 1 1 Pilar 1 1 San Fancisco (Anao-Aor 2 1 San Francisco (Anao-Aor 2 1 San Isidro 2 1 San Isidro 2 1 San Sose 1 2 Surgan City (Capital) 2 1 Surgan City (Capital) 2 6 Tagana-An 1 1 Tubajon 1 1		Dapa	7	2	2			2	7
Dinagat 2 1 General Luna 1 1 Cigaquit 2 1 Loreco 2 1 Maimit 1 1 Maimono 2 1 Pilar 1 1 Pilar 1 1 Parcer 2 1 San Benito 2 1 San Francisco (Anao-Aor 2 1 San Isidro 2 1 San Isidro 2 1 Santa Monica (Sapao) 2 1 Sison 2 1 Socorro 2 1 Sungao City (Capital) 2 6 Tagana-An 1 1 Tubajon 1 1	┰	Del Carmen	2	1	1				
General Luna 1 Cigaquit 2 1 Libjo (Albor) 1 1 Loreco 2 1 Maimit 2 1 Malimono 2 1 Pilar 1 1 Pilar 1 1 Palacer 2 1 San Benito 2 1 San Francisco (Anao-Aor 2 1 San Isidro 2 1 San Isidro 2 1 Santa Monica (Sapao) 2 1 Sison 2 1 Socorro 2 1 Sungao City (Capital) 2 6 Tubajon 1 1	Г	Dinagat	2	1	1				1
Gigaquit 2 1 Libjo (Albor) 1 1 Loreto 2 1 Malimono 2 1 Pilar 1 1 Pilar 1 1 Pilar 1 1 Pancer 2 1 San Francisco (Anao-Aor 2 1 San Isidro 2 1 San Isidro 2 1 Santa Monica (Sapao) 2 1 Sison 2 1 Socorro 2 1 Surgano City (Capital) 2 6 Tagana-An 1 1 Tubajon 1 1		General Luna	I						
Libjo (Albor)	136711	Gigaquit	2	1	1			-	
Loteto 2	136713	Libjo (Albor)	1						
Mainit 1 1 Malimono 2 1 Pilar 1 1 Placer 1 1 San Benito 2 1 San Francisco (Anao-Aor 2 1 San Isidro 2 1 San Jose 1 2 San Jose 1 2 Santa Monica (Sapao) 2 1 Sison 2 1 Scorro 1 2 Sungao City (Capital) 2 6 Tagana-An 1 1 Tubajon 1 1	136713	Loreto	2	1	1			-	
Malimono 2 1 Pilar 1 1 Placer 1 1 San Benito 2 1 San Francisco (Anao-Aor 2 1 San Isidro 2 1 San Jose 1 2 Santa Monica (Sapao) 2 1 Sison 2 1 Scorro 1 2 Sungao City (Capital) 2 6 Tagana-An 1 1 Tubajon 1 1	136714	Mainit	T.	Ľ	1			-	
Pilar 1 1 1 1 1 1 1 1 1	136715	Malimono	2	1	1			1	_
Placer 1 1 1 1	136716	Pilar	1	1	1			-	-
San Benito 2 1 San Francisco (Anao-Aor 2 1 San Isidro 2 1 San Jose 1 2 Santa Monica (Sapao) 2 1 Sison 2 1 Scorro 1 2 Surgao City (Capital) 2 6 Tagana-An 1 1 Tubajon 1 1	136717	Placer	1	1	1				-
San Francisco (Anao-Aor 2 1 San Isidro 2 1 San Jose 1 2 Santa Monica (Sapao) 2 1 Sison 2 1 Sucorro 1 2 Surgao City (Capital) 2 6 Tagana-An 1 1 Tubajon 1 1	1	San Bemto	2	1	1				-
San Isidro 2 1 San Jose 1 2 Santa Monica (Sapao) 2 1 Sison 2 1 Socorro 1 2 Surgao City (Capital) 2 6 Tagana-An 1 1 Tubajon 1 1	136719	San Francisco (Anao-Aor	2	1				-	-
San Jose 1 2 Santa Monica (Sapao) 2 1 Sison 2 1 Socorro 1 2 Surgao City (Capital) 2 6 Tagana-An 1 1 Tubajon 1 1	136720	San Isidro	2	Ī	1			I	
Santa Monica (Sapao) 2 1 Sison 2 1 Socorro 1 2 Surgao City (Capital) 2 6 Tagana-An 1 1 Tubajon 1 1	136728	San Jose	1	2	2			2	. 2
Sison 2 1 Socorro 1 2 Surigao City (Capital) 2 6 Tagana-An 1 1 Tubajon 1 1		Santa Monica (Sapao)	2	1	1			1	
Socorro 1 2	1	Sison	2	1	1			1	1
Sungao City (Capital) 2 6 Tagana-An 1 1 Tubajon 1 1		Socorro	1.	2	2			2	2
		Surigao City (Capital)	2	9	9			9	9
		Tagana-An	1	1	1			7	
Ī		Tubajon	1	1	1				
	136727	Tubod	1	1	1				1

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Sura Collect	Region Number: CARAGA		Prov. Name: Surigao del Noric	surigao del No	٦c		Form Number: P.6.4.2	: P.6.4.2
				Jeepn	Jeepney/Bus Termina	minal		
րին Տերին	Name of City or				Number	Number of Toilets		
081 000	Municipality	Number	Sanitary	tary	Unsa	Unsanitary	Tota	ដ
6.			Male	Female	Male	Female	Male	Female
Number	Character	Number	Number	Number	Number	Number	Number	Number
136701	Alegna							
136702	Bacuag							
136703	Basilisa (Rizal)							
136704	Burgos							
136705	Cagdianao							
136706	136706 Claver	2	1	1				-
136707	136707 Dapa	1	2	2			7	2
136708	Del Carmen							
136709	Dinagat							
136710	36710 General Luna							
136711	Gigaquit							
136713	Libjo (Albor)							
136713	Loreto							ļ
136714	Mainit	3	3	3			3	~
136715	Malimono	2	1	1			-	
136716	Pilar							
136717	Placer	4	2	2			2	2
136718	San Benito	2	Ι	-			-	-
136719	San Francisco (Anao-Aon)	n)		:				
136720	San Isidro							
136728	San Jose							
136721	Santa Monica (Sapao)							
136722	Sison							
136723	Socomo							
136724	Sungao City (Capital)	4	2	2			7	7
136725	Tagana-An							
136726	Tubajon							
126777	1 00							

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	Comment Capitation - Public Tollets Parks Playground	Committee most Conitation - Public Tollers (Parks/Playeround)	rks/Playerou	(Qu			Date: 21 Jul. 1998	866
Sara Collec	Data Collection Level: Provincial		Prov. Number: 1367	r: 1367			Filename: Sanitation.xls	itation.xls
N LOIS	Region Number CARAGA		Prov. Name:	Prov. Name: Surigao del Norte	rte		Form Number: P.6.4.3	~ P.6.4.3
,				Par	Parks/Playground	pur		
jo obje	Name of City or				Number	Number of Toilets		
0g18 Coc	Municipality	Number	San	Sanitary	Unsa	Unsanitary	Total	tal
9 9			Malc	Female	Male	Female	Male	Female
Number	Character	Number	Number	Number	Number	Number	Number	Number
136701	Alegna	٢.						
136702	Bacuag	6						
136703	36703 Basilisa (Rizal)	7						
136704	Burgos		2	2			2	2
136705		1						
136706		3	ı	1				-
136707	Dapa	p.4	1	1			-	-
136708		1						
136709		4	4	4			4	4
136710	General Luna	ı						
136711	+	2	٤	3			3	۳
136713	Libio (Albor)	5	\$	5			S	8
136713	Loreto	1	2	7			7	7
136714	-	_						,
136715	Malimono	7	9	9			9	ا
136716		I	ī	1				-
136717	Placer	1						
136718	San Benito	1		1				-
136719	San Francisco (Anao-Ao	1		1				:
136720	San Isidro	1		1				.
136728	San Jose	2	2	2			7	7
136721	Santa Monica (Sapao)	2						
136722	Sison	1						
136723	Ѕосопо	4		-1				_
136724	Sungao City (Capital)	2	2	2			2	7
136725	_	. 1						
136726	_	2						
	•							