PN-ACL-948
109799

PURSE PROJECT

Private Participation in Urban Services

USER MANUAL TO THE FINANCIAL ANALYSIS MODEL FOR CONCESSION PROJECTS IN THE WATER SUPPLY SECTOR

PURSE Report No. 102.01.1/98/056

Submitted by
Chemonics International
Jakarta, Indonesia

In association with
Resource Management International
Sheladia Associates
P.T. Resource Development Consultants

July 1998

Under Contract No. AID 497-0373-C-00-3030-00
United States Agency for International Development

BAPPENAS
DEPARTEMEN DALAM NEGERI

DEPARTEMEN KEUANGAN
DEP. PEKERJAAN UMUM

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CHAPTER I
INTRODUCTION

1.1 Project Finance in Developing Countries.

"The term 'project finance' is used to refer to a wide range of financing structures. However, these structures have one feature in common - the financing is not primarily dependent on the credit support of the sponsors or the value of the physical assets involved. In project financing, those providing the senior debt place a substantial degree of reliance on the performance of the project itself." [1] In project financing, the creditors (bankers) will pay attention chiefly to the project's performance in generating revenue or the future cash flow, so that the company will be able to pay back all loans taken out for the project.

Since project finance always carries a certain amount of risk, such financing becomes extremely important as it can offer choices in the structure of financing, whether the project can be implemented or not, with regard to risks connected with the said project. The financing structure provides information necessary for the project's sponsors so that they may minimize the risks involved and thereby make the project more attractive to investors (in particular creditors/bankers). The investors will thus be aware of the types of risks they will be facing, besides having information on the project's expected revenue. Data regarding the structure of project finance and the existing risks, will depend a great deal on evaluation of the project and its technical feasibility on the whole.

Although the developing countries generally involve multiple risks to a high degree, there are still many investors who are interested in making investment. For that, they must have sufficient information concerning the risks they will face, and further, how those risks can be allocated and managed appropriately. In order to be

[1] The World Bank, *Project Finance at the World Bank*

able to allocate the risks correctly, one must be well informed of the prevailing laws and regulations, as well as how these laws are enforced. Law enforcement is related to agencies that can function effectively in doing so, including monitoring all the activities in law. In several cases, the loan agreement may be executed in accordance with international commercial laws such as those formulated through the International Chamber of Commerce.

The government's role is vital in creating a healthy business climate so that the investors will be interested in investing their capital. The government's ability to enforce all laws and regulations that are issued shall increase the investors' trust.

Governments all over the world are faced with the problem of imposing taxes to obtain funds for their state budget, revenue and expenditure. To overcome this problem, many countries are now turning to competitive and transparent partnerships with the private sector for the development of public facilities and infrastructures. They realize that the private sector can operate public facilities and infrastructures more efficiently. For years the government-owned corporations have operated under monopolistic and protectionistic conditions, and such have hindered PDAM from being efficient. "The generally poor performance of state-owned monopolies, combined with the rapid globalization of world economies, has brought into sharp focus the economic costs of inadequate infrastructure and prompted a growing number of developing countries to take active steps to promote competition, private entry, and foreign investment in the sector." [2)]

[2)] International Finance Corporation, *Finance Private Infrastructure*, Washington, D.C., 1996.

1.2 The Need for Financial Analysis in Project Finance.

Before a project can be approved, a pre-feasibility /feasibility study report is required. This report will generally describe the needs, supply, operational characteristics, schedule of implementation, technologies used, operation cost, location of the project, project cost, and the environmental impact caused by the project.

Although the financial analysis is only a part of the feasibility study report, experience has shown us that the financial analysis of a project is very important indeed. It contains information concerning financial planning and projected financial report. With such information, the decision-makers can estimate the total performance of the project while it lasts. For correct financial analysis, spreadsheets are usually used to assist the financial analysts. This model contains such information as the balance sheet, profit and loss statement, cash flow report, and financial ratios such as liquidity, solvability and profitability.

1.3 Purpose and Aims of the Financial Analysis Model (FAM).

The Financial Analysis Model is designed by the PURSE Project as a tool to be used by the government as well as private parties in analyzing the financial conditions of PDAM and the feasibility of the project. This model can be used by the PDAM in Indonesia to develop and analyze projects, whether through a government-private partnership or not, financed by funds from internal sources or by loan (credit) from the bank. FAM users will be, in particular, PDAM staff and managers at the First and Second Level Regions. This model was designed with consideration to maintaining a balance between ease and flexibility in its use and in analyzing the data. Several processes of data input and projection have been programmed into the model by using macro Visual Basic.

The Financial Analysis Model allows the user :

a. to evaluate the financial conditions of PDAM in the past 5 years and make projection for its projects for 24 more years.

b. to analyze the feasibility of the project's finances and PDAM finances in connection with projects.

The Financial Analysis Model is designed with several aims in mind :

a. Being flexible, both in structure and in its variables, and designed according to PDAM standards, therefore it is easy to input data and to analyze the report results.

b. This model is easy to use, with clear documentation.

c. This model also provides supporting reports besides the main report to enable users to find out any mistakes possibly made.

d. On the whole this model is consistent with the accounting standards laid down by the Department of Home Affairs, so that all PDAM may use this model without having to make adjustments.

1.4 Hardware and Software Required.

- ***Hardware*** : The capacity required by FAM (Financial Analysis Model) is 4.03 Mbytes. Whereas the *hardware* required in order to run the program quickly is a computer with processor 486DX4 of 100 MHz or more, with memory capacity of RAM 16 MBytes. If we try to run the program in a computer with specifications less than those required, then the computer processing will be slow.

PRE-INSTALLED SOFTWARE	REQUIREMENTS	RECOMMENDED
Main Operating System	MS-DOS version 6.22	MS Windows 95
Secondary Operating System	MS-Windows version 3.1	MS Windows 95
Application	MS-Excel version 5.0	MS Excel version 7

Figure 1.1 Computer Specific Display

COMPONENTS	REQUIREMENTS	RECOMMENDED
Type of Processor	Intel 80486 DX4, 100 MHz / equivalent	Intel Pentium 133 MHz / equivalent
Internal Memory (RAM)	DRAM (Dynamic Random Access Memory) 16 Megabytes	EDO RAM 16 Megabytes or more
External Memory		
Hardisk Drive	200 Megabytes	1.6 Gigabytes
Floppy Disk Drive	1.44 Megabytes - 3.5 inch	1.44 Megabytes - 3.5 inch
Monitor	Super VGA 0.28 Dpi (Dot Per Inch)	Super VGA 0.28 Dpi (Dot Per Inch)
Mouse	PS/2 Mouse or Microsoft Mouse Compatible	PS/2 Mouse or Microsoft Mouse Compatible

Figure 1.2 Display of Operating System Required

- ***Software*** : In order to run the FAM efficiently, the user should use Windows Operating System version 3.x or over, with table application Microsoft Excel under Windows, at the least version 5.0. In the session "Running The FAM Program" below, it is assumed that the user is already using Windows 3.x and knows how to operate it.

1.5 FAM Installation.

Below are the steps to follow in installing the FAM :

1. Turn on the computer.
2. After drive C : \ >_ appears, insert the diskette Install FAM into drive A.
3. From drive C : \ > type **A:INSTALL**, then press **ENTER**.

C:\>A:INSTALL <ENTER>

When you press Enter, the computer will enter the FAM Program into the hardisk in directory FAM :

FAMCON.XLS PKUNZIP.EXE

FAMCON.ZIP PKZIP.EXE

CHAPTER II
FAM STRUCTURE

2.1 The Differences Between FAM for BOT Projects and FAM for Concession Projects.

In a BOT water treatment project, for example, the private sector will finance and build the treatment plant, and then operate and maintain the facility for a period agreed upon in the contract, often as long as 25-30 years. Under the BOT structure, the PDAM, which continues to operate the water system as a whole, and retains responsibility for other new construction and rehabilitation and maintenance, distribution, billing and collection. The PDAM also agrees to pay the BOT project company for the amount of bulk water it agrred to buy from them, often under a "take or pay" contract. At the end of the contract period, the private sector will transfer the facility to PDAM.

Under a normal full Concession agreement, however, the private sector assumes full responsibility for all aspects of the entire water supply system. The private sector will finance and build or rehabilitate all water facilities and infrastructure, and then operate and maintain the infrastructure for a certain period. In addition, the private sector will bill and collect tariffs from the consumers. As with the BOT, at the end of the concession period, the private sector will return the facilities to the PDAM.

A Concession operated by an experienced private sector company can utilize its experience in system management and facility operation to reduce operating costs and improve or increase the output of water or other services. A concessionaire can also use its expertise to reduce the several causes of non-revenue water, such as leakage, faulty metering, under reporting, and so forth. The public agency (PDAM), as well as the infrastructure itself, would then later be in a healthier position to be an effective partner with a private entity in a BOT PPP project.

Because a Concession has a wider technical scope than a BOT, the financial structure of the project is more complex. The differences in the FAM models for BOT and Concession projects are reflected in the structures as illustrated below :

BOT	Concessions
1. Project O & M	1. Project O & M
2. Project Cost & Financing	2. Project Salaries
3. Project Depreciation	3. Project Rates & Revenue
4. Project Balance Sheet	4. Project Total Plant
5. Project Cash Flow	5. Project Costs & Financing
6. Project Sources & Uses	6. Project Balance Sheet
	7. Project Cash Flow
	8. Project Sources & Uses
	9. Project Performance Indicator

2.2 FAM Structure.

Before beginning work with this spreadsheet model, the user should be familiar with the structure of the model as a whole. In this part we shall explain the flow of data and the menu structure so that users may gain a clear understanding of the whole FAM Model's structure.

2.2.1 Data Flow.

In Figure 2.1 we see the flow of PDAM data consisting of the PDAM Input namely : Assumptions, Input Sheets, Debt Input and Balance Sheet Input. There are 7 boxes in the supporting table consisting of : O&M (operation & maintenance), Salaries (employees' wages), Escalation Rates (escalation in costs), Rates and Revenue (rate of water & income), Total Plant (fixed assets), Depreciation, and Debt Structure. The next 4 boxes are the main report and consist of Income Statement, Balance Sheet, Sources and Uses (of funds), Performance Indicator.

The data within the PDAM Input boxes shall automatically fill the supporting report, which shall then be forwarded to the main report. The arrows indicates the direction of data flow.

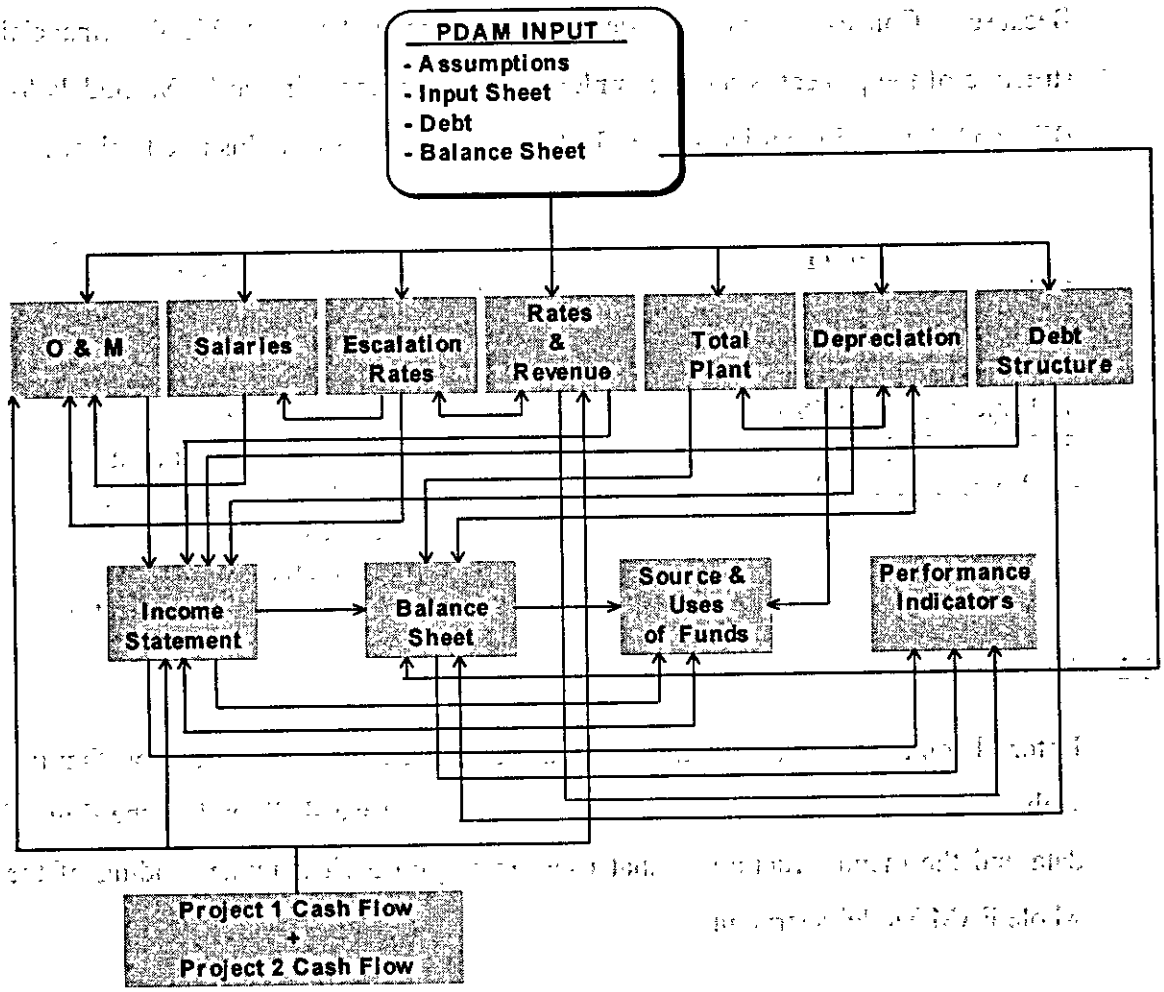


Figure 2.1 Display of the PDAM Data Flow

In Figure 2.2 Display of the Project Data Flow we see the data flow of the PROJECT which consists of the PROJECT Input Boxes, namely Project Assumptions 1, Project Assumptions 2, Project Input Sheet 1, Project Input Sheet 2, Project Balance Sheet 1, Project Balance Sheet 2, and Project Finance Input. In the data flow there are 2 Projects, and each project is also has the supporting tables and the main reports such as PDAM. The supporting tables consisting of : O & M, Salaries, Escalation Rates, Rates & revenue, Total Plant and Cost & Financing. While the main reports consisting of : Balance Sheet, Cash Flow, Source and Uses, Performance Indicators.

The data in the PROJECT input boxes shall automatically fill the supporting tables which shall then be forwarded to the main report. The arrow indicates the direction of the data flow.

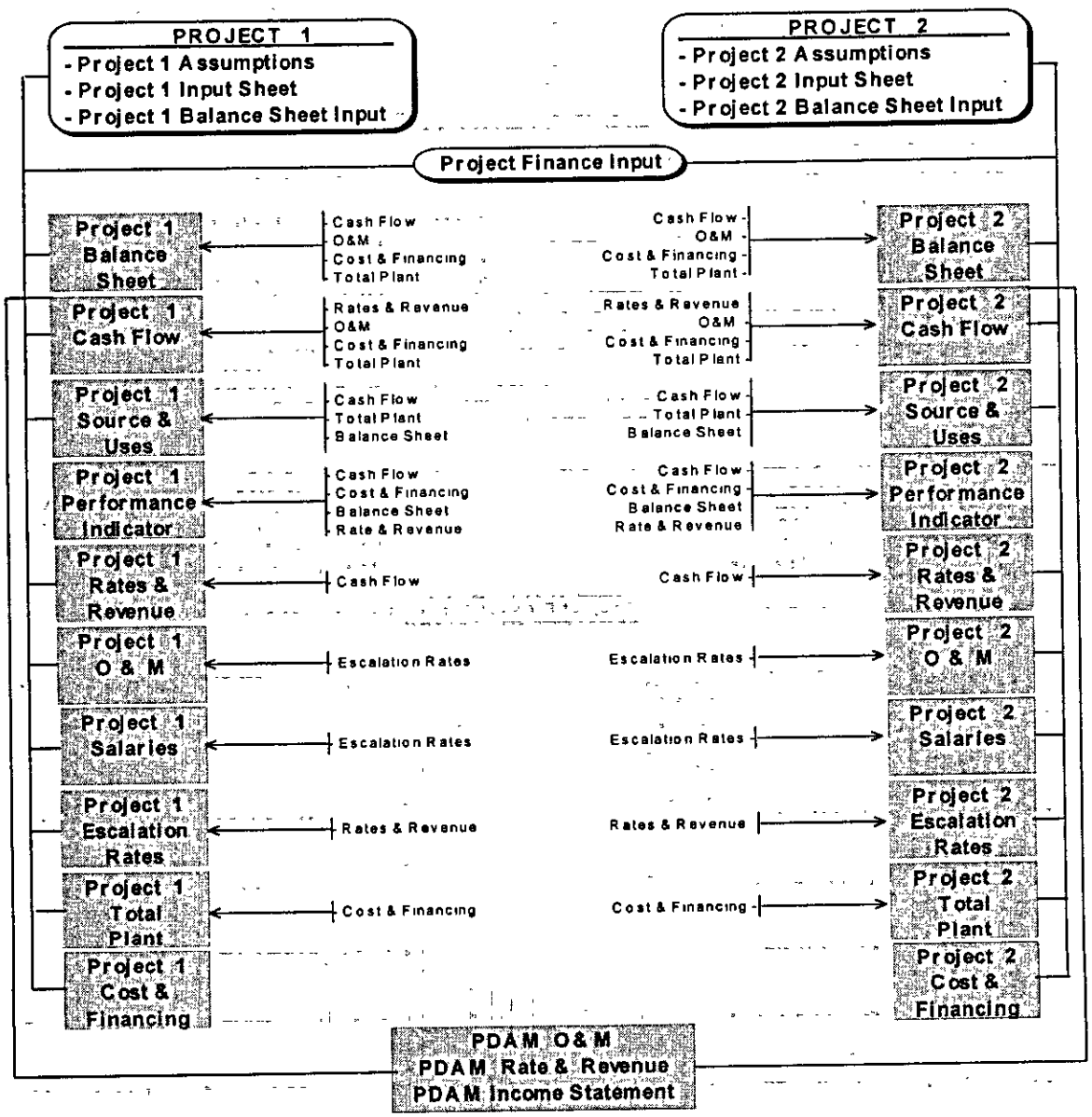


Figure 2.2 Display of the Project Data Flow

In Figure 2.3 FAM Data Flow as a Whole is shown the data flow of FAM as a whole into PDAM as well as PROJECT.

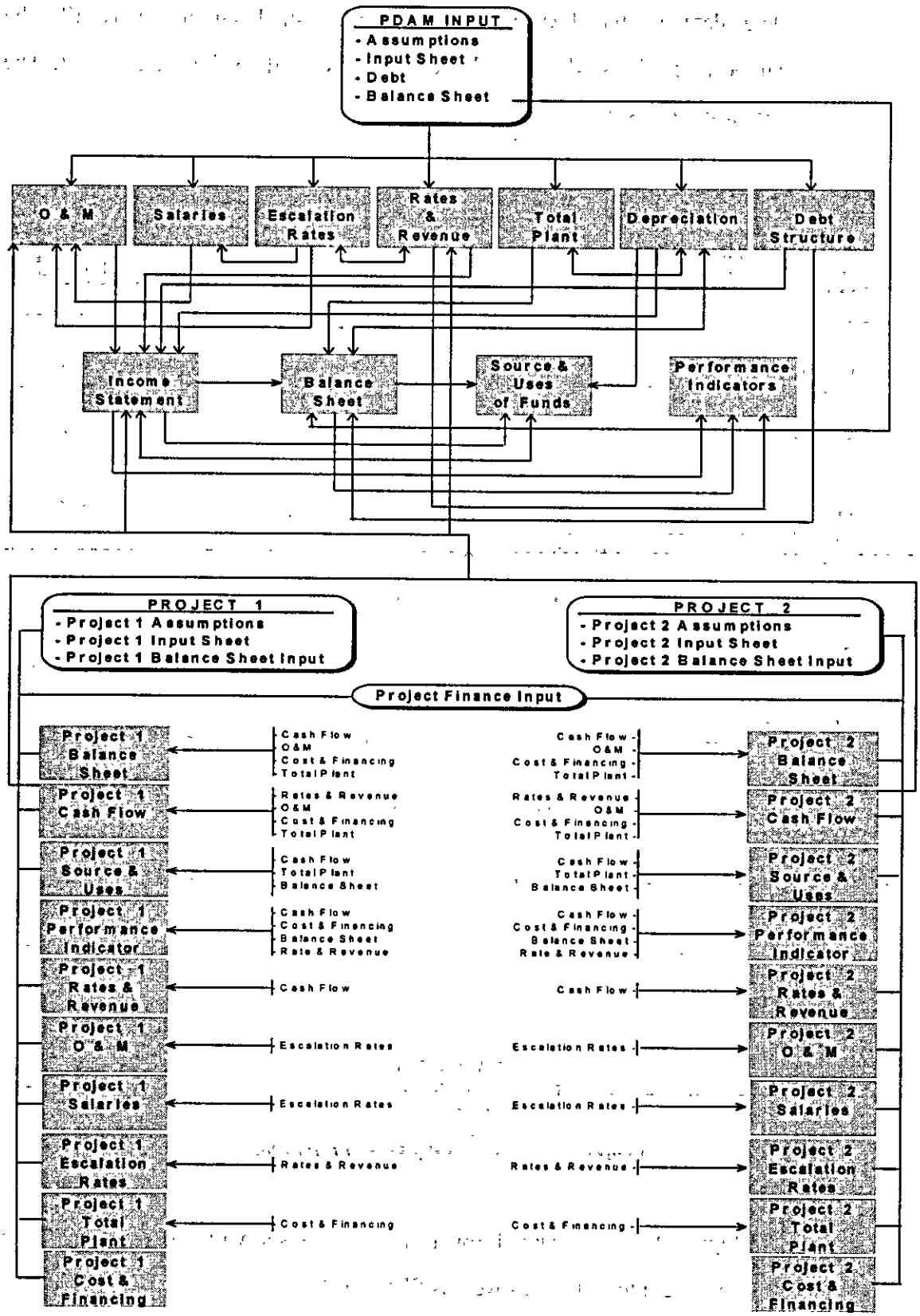


Figure 2.3 Display of the FAM Data Flow

2.2.2 Menu Structure

This session is prepared so that FAM users will be familiar with the total menu structure and understand how to use the FAM Model. The menus are opened by clicking the mouse's left button/part (Click 1 time), and the next menu will be displayed.

The Model begins by displaying the menu as shown in Figure 2.4. The user must choose the desired menu by clicking the button **Start Model** which activates the macro *Visual Basic* in *Microsoft Excel* which shall guide the user to the next menu : **Level Selection**. In this menu the user is faced with four selections : About FAM, Executive, Financial Analyst and Cover Sheet, as seen in Figure 2.5 :

1. **About FAM** button, gives a brief introduction to the FAM and data flow for both PDAM and PROJECT. See Figure 2.6.

2. **Executive** button, is meant only for the decision-makers (Board of Directors). If the user selects the Executive channel, the PDAM Input and PROJECT Input must be filled, then the user will be presented with 7 graphs as shown in Figure 2.7 and Figure 2.8, namely : PDAM Net Income (net profit), PDAM Financial Health Indicators (performance indicators), PDAM Net Plant/Total Plant (fixed assets), PDAM Sales per Connection , PDAM Average Rates, PDAM Total Sales, PDAM Net Income/m3.

3. **Financial Analyst** button, is meant for the Financial Analyst who can access all menus and sheets. If the user chooses the **Financial Analyst** level, then the display will show the menu as seen in Figure 2.9. Here there are 2 choices : Unprotected Model Access and Protected Model Access. **Unprotected Model Access** allows the user to access the entire model without restrictions such as editing, changing formulas, adding sheets, and changing the program, whereas the **Protected Model Access** allows the user to access the entire model except the macro program, and the user is restricted in that he cannot change the formula, add sheets or change the program.

File Edit View Insert Format Tools Data Window Help

FINANCIAL ANALYSIS MODEL

For Concession

Main Menu

Start Model

Close Model

If you Click Button Start Model will be pointed to menu Level Selection

Ready Calculate NUM

Figure 2.4 Display of Main Menu

File Edit View Insert Format Tools Data Window Help

FINANCIAL ANALYSIS MODEL

For Concession

Level Selection

About FAM...	Provides the User regarding information about Financial Analysis Model, including flow charts.
Executive	Provides the Manager the ability to evaluate Project or PDAM economics and financial at strategic level
Financial Analyst	Provides the Financial Analyst the ability to evaluate Project or PDAM economics and financial at detailed level.
Cover Sheet	Returns User to the Cover Sheet in order to exit the Model or to proceed to another section of the model.

Ready Calculate NUM

Figure 2.5 Display of Level Selection

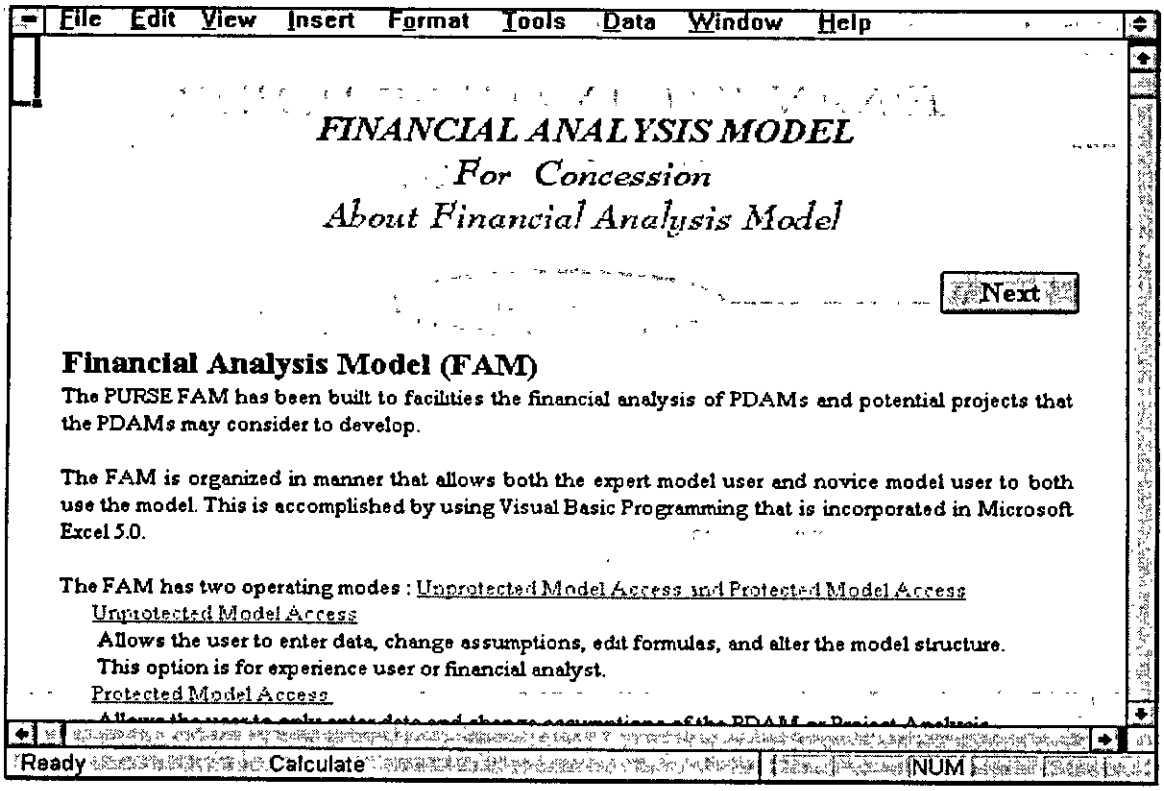


Figure 2.6 Display of About FAM

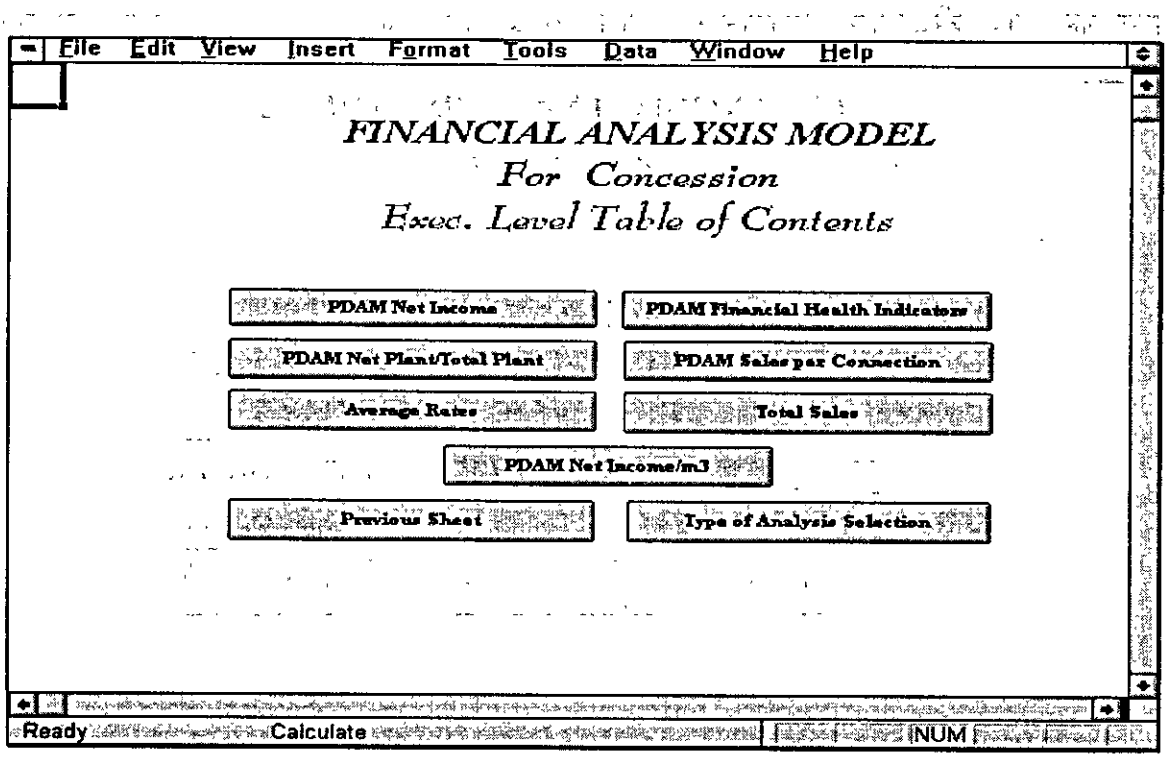


Figure 2.7 Display of Executive Level

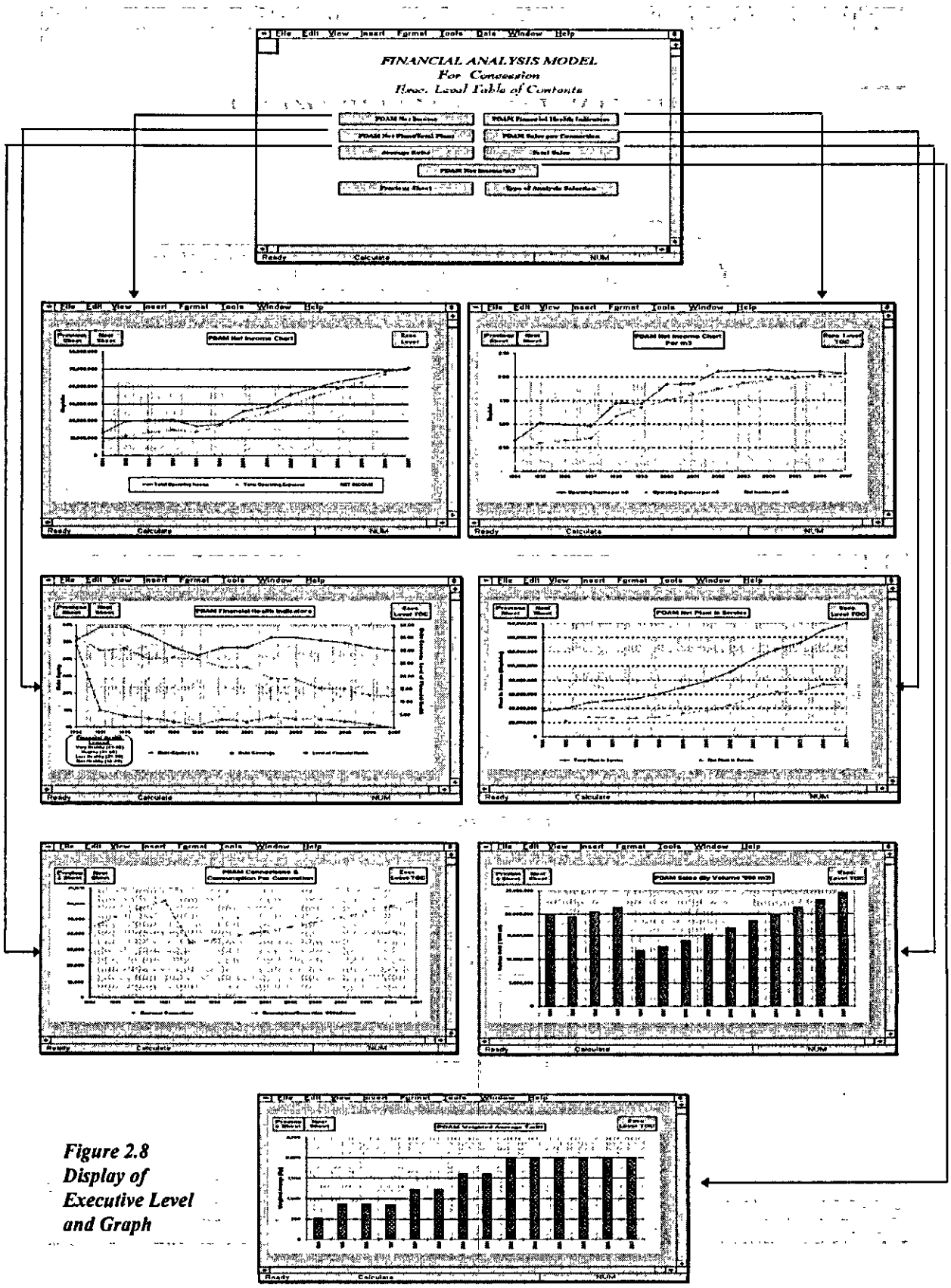


Figure 2.8
Display of Executive Level and Graph

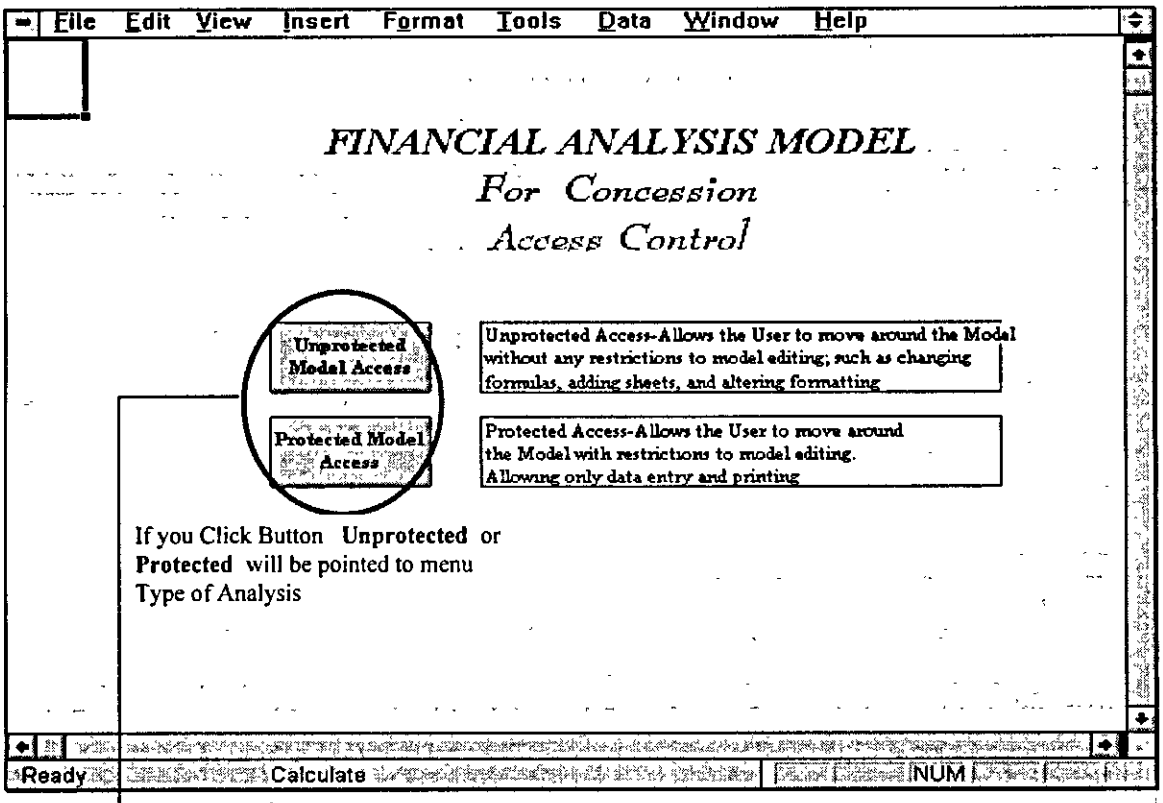


Figure 2.9 Display of Financial Analyst

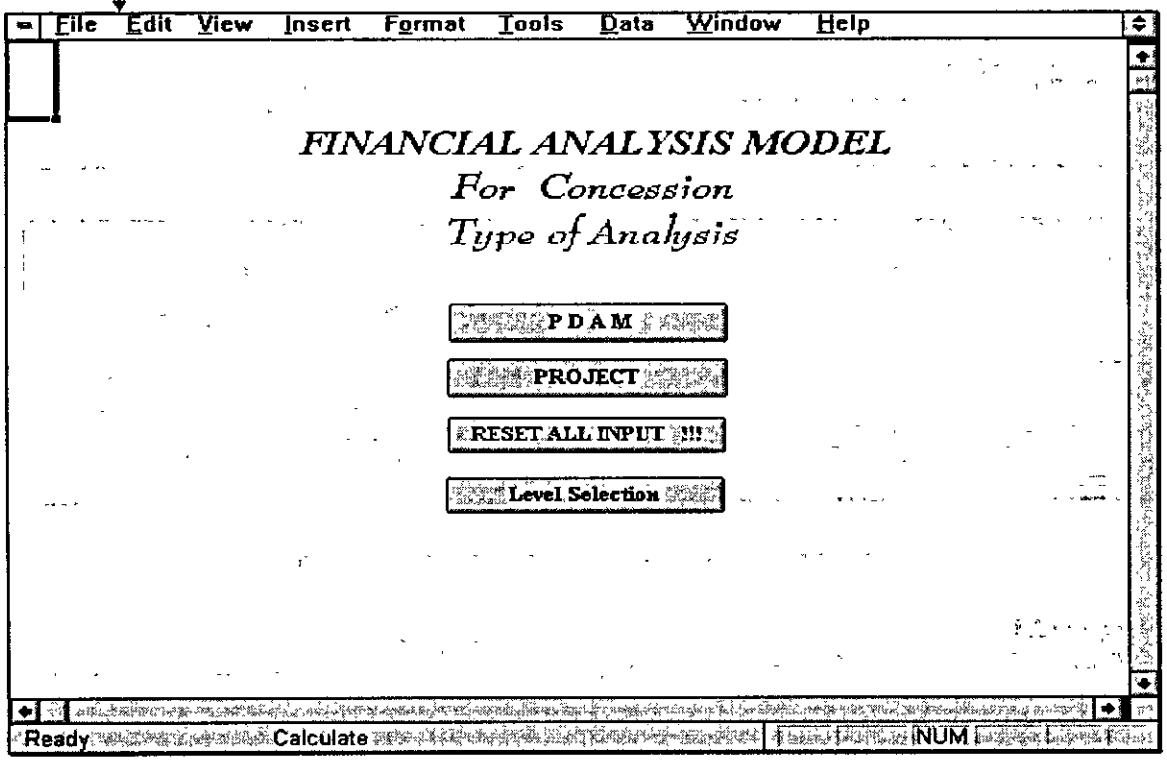


Figure 2.10 Display of Type of Analysis

- In the display shown in Figure 2.10 there are 4 buttons to choose from :
  1. **PDAM,** this accesses the PDAM analysis. See Figure 2.11.
  2. **PROJECT,** this button accesses the Project analysis. See Figure 2.12.
  3. **RESET ALL INPUT,** this button prepares a new analysis (see following chapter on making new analysis) See Figure 2.13.
  4. **LEVEL SELECTION,** this accesses the Level Selection menu. See Figure 2.5.

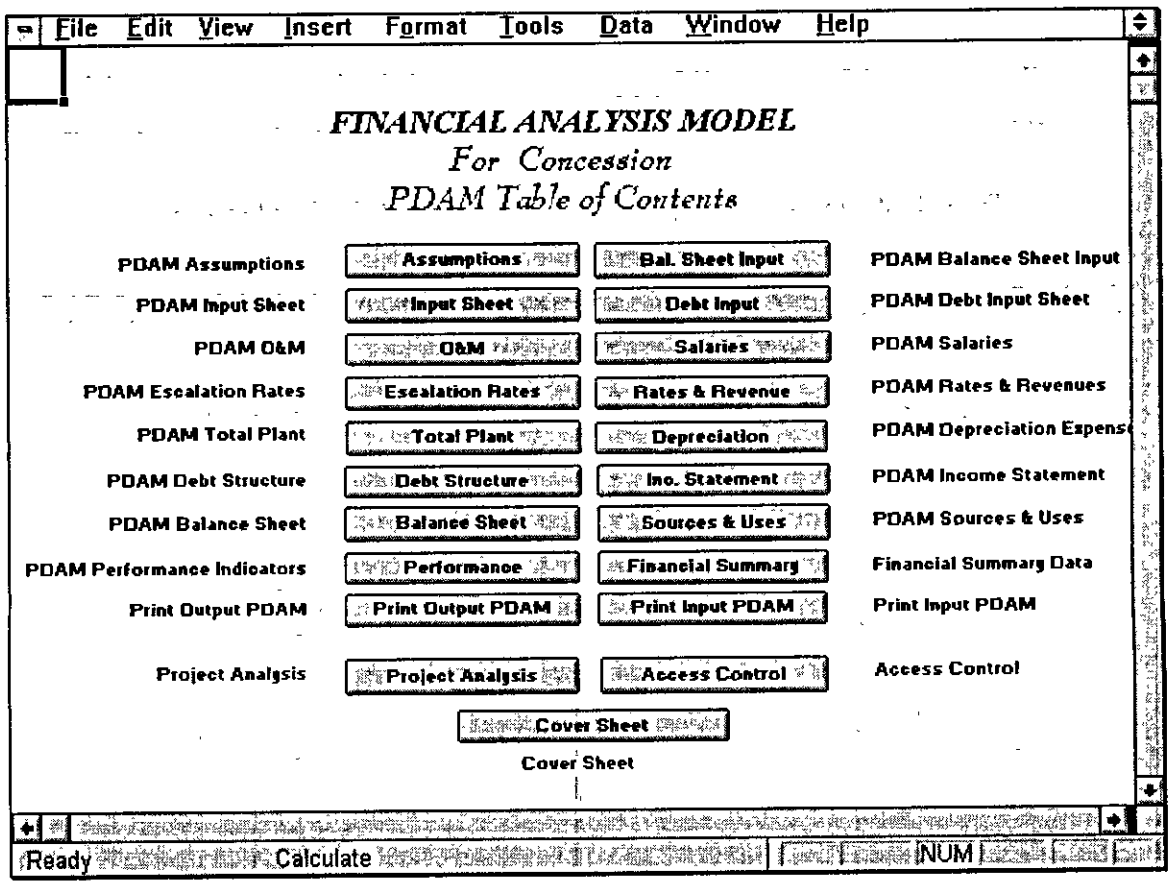


Figure 2.11 Display of Analysis PDAM (PDAM Table of Contents)

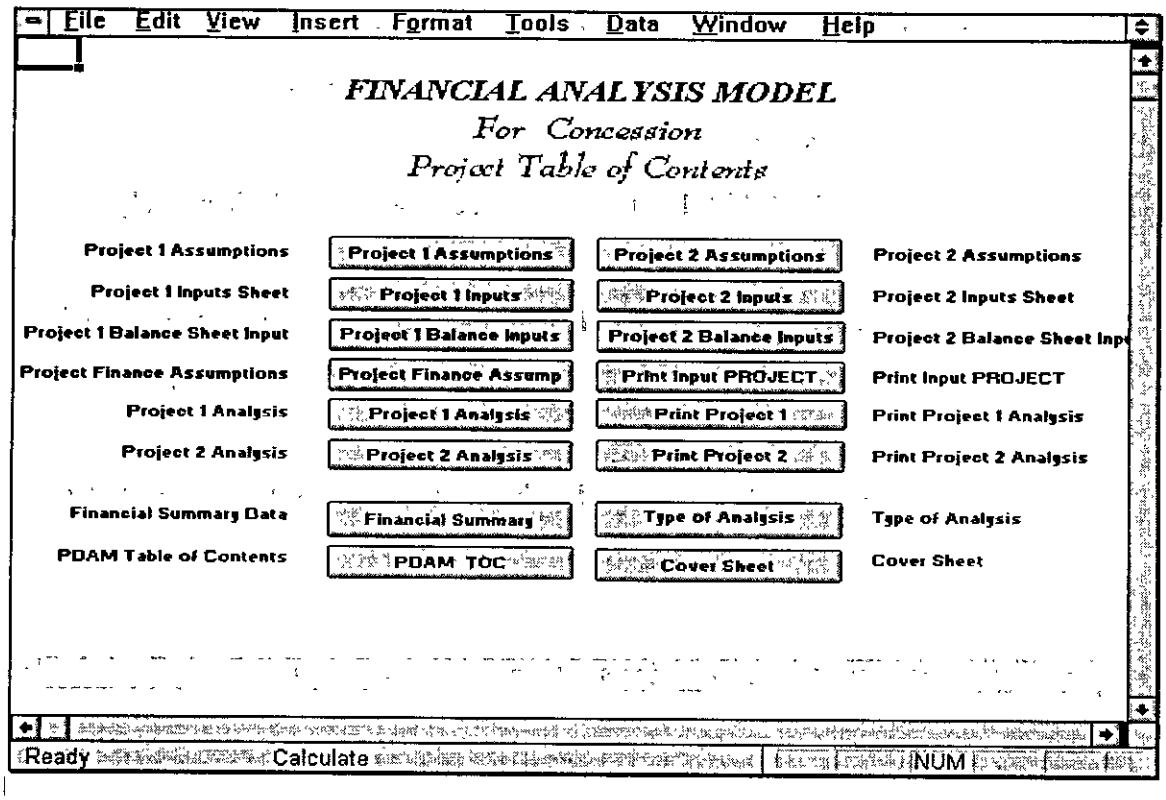


Figure 2.12 Display of Analysis PROJECT (PROJECT Table of Contents)

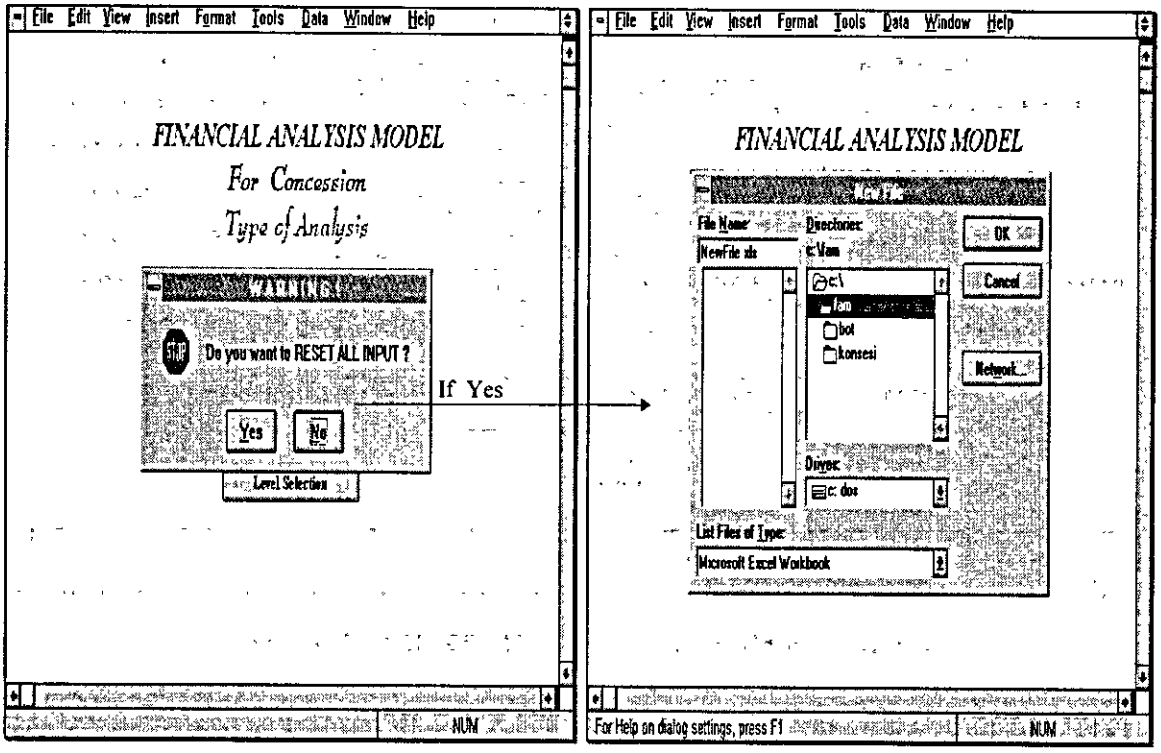


Figure 2.13 Display of RESET ALL INPUT

- In Figure 2.14, we see the selected menu to print the Output PDAM Analysis consisting of the buttons : **O & M, Salaries, Escalation Rates, Rates and Revenue, Total Plant, Depreciation, Debt Structure, Income Statement, Balance Sheet, Source & Uses, Performance Indicators, Financial Summaries.** The method of printing shall be discussed in the following chapter.

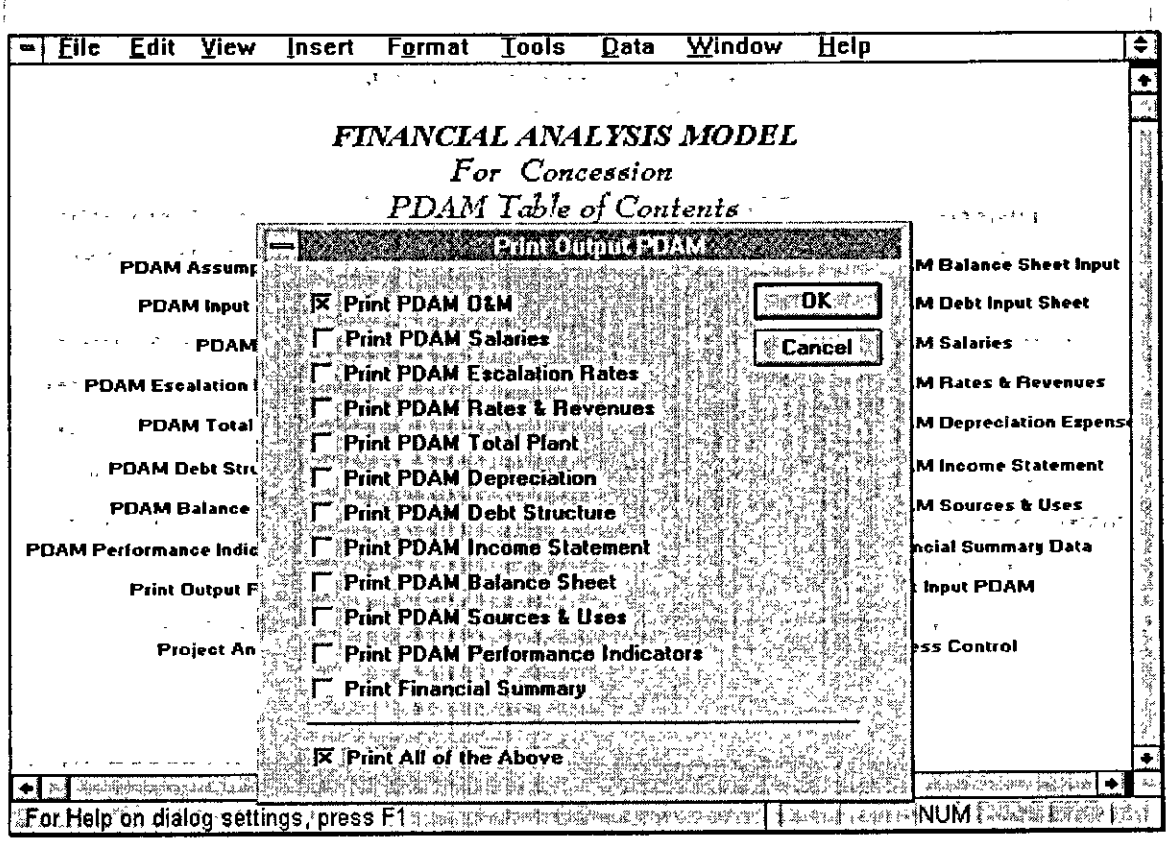


Figure 2.14 Display of Print OUTPUT PDAM

- In the following figure is the selected menu for printing the Input PDAM. The input data PDAM to be printed consists of : **Assumption Sheet, Input Sheet, Balance Sheet Input, Debt Input Sheet.** The method of printing shall be discussed in the next chapter.

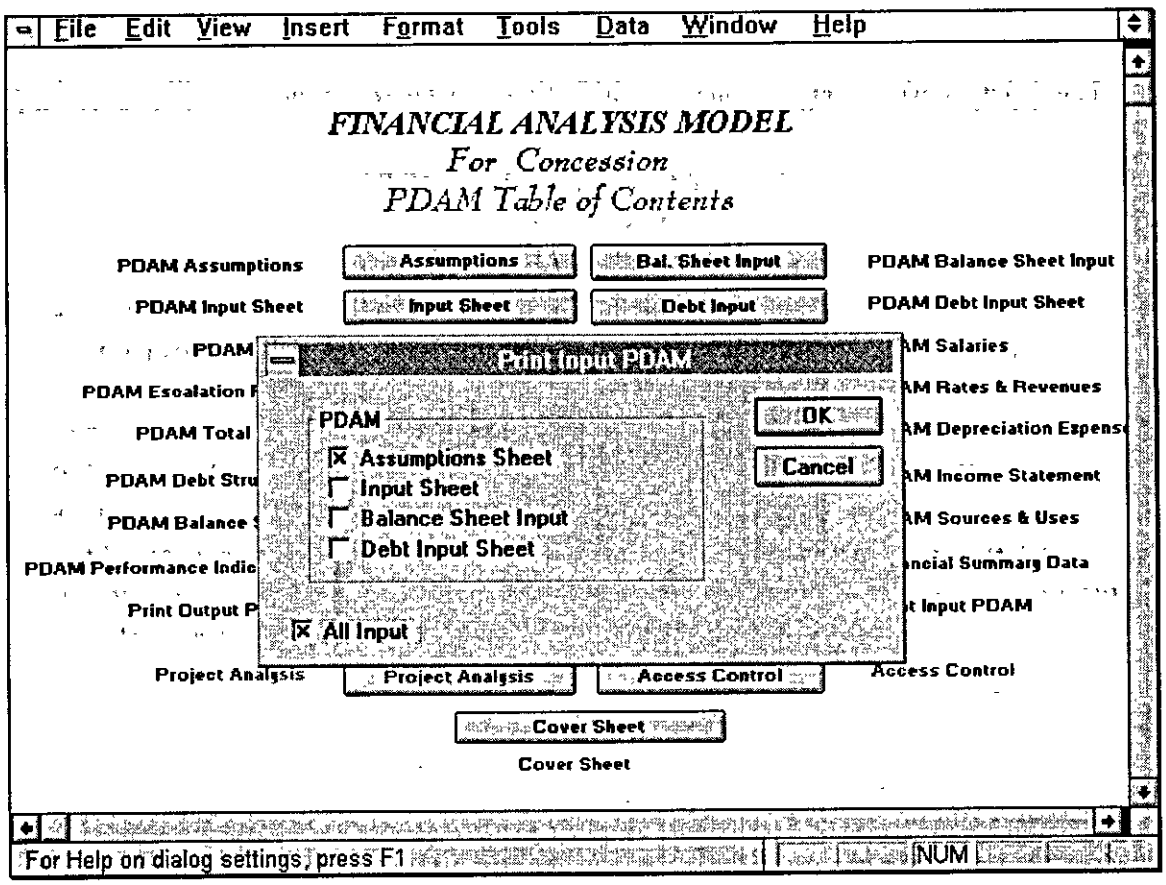


Figure 2.15 Display of Print INPUT PDAM

- As described above, in the FAM Model there are 2 projects. In Figure 2.12 PROJECT Table of Contents, we are faced with several buttons to choose from :
  1. **Project 1 Analysis** button which accesses the menu **Project 1 Table of Contents.** See Figure 2.16.
  2. **Project 2 Analysis** button, which accesses the menu **Project 2 Table of Contents.** See Figure 2.17.
  3. **Print Project 1** button which accesses the print menu **Print Output Project 1.** See Figure 2.18.
  4. **Print Project 2** button which accesses the print menu **Print Output Project 2.** See Figure 2.19.
  5. **Print Financial Summary** button which will print the summary of the PDAM & PROJECT report.
  6. **Print Input PROJECT** button which will access the print menu **Print Input PROJECT.** See Figure 2.20.

In the menu Project 1 Table of Contents up to Project 2 Table of Contents, you will find a button to print the Input and Output.

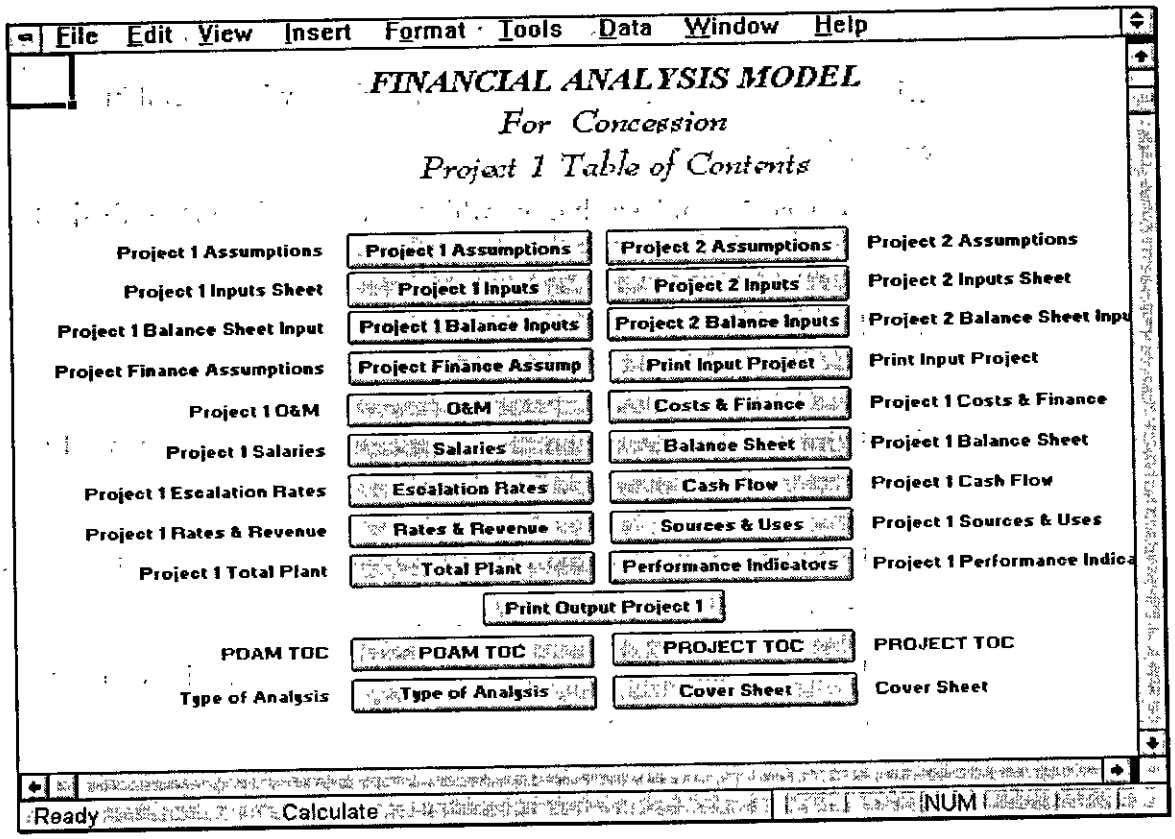


Figure 2.16 Display of Project 1 Table of Contents

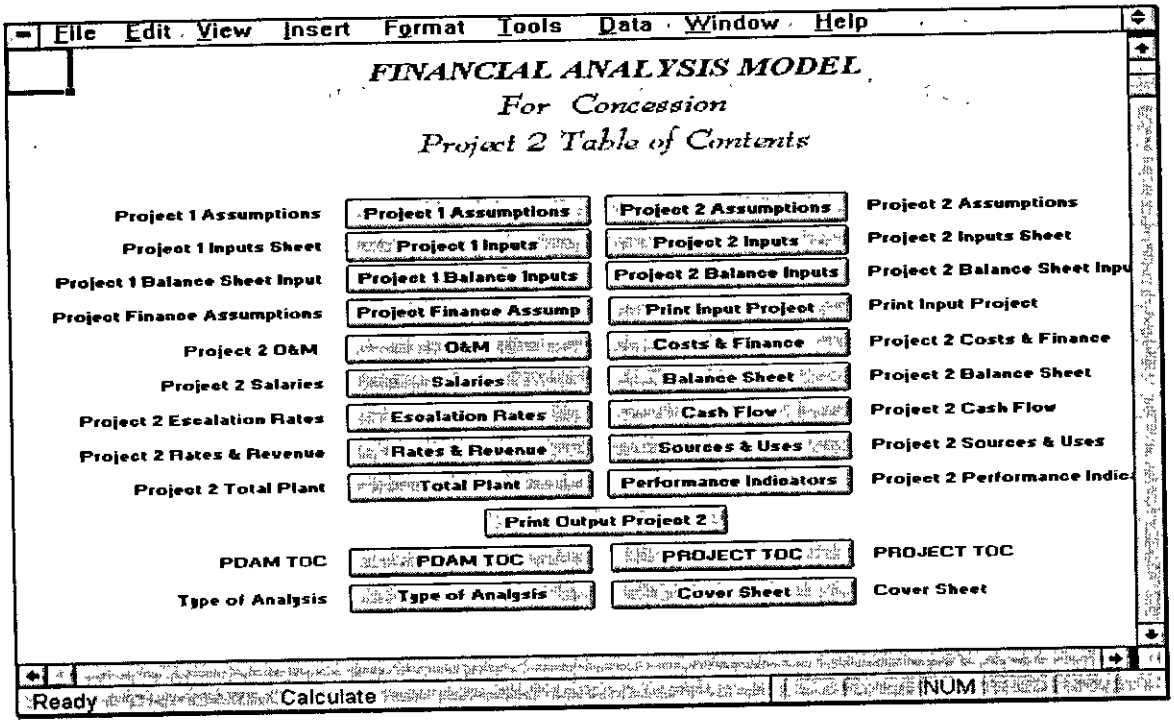


Figure 2.17 Display of Project 2 Table of Contents

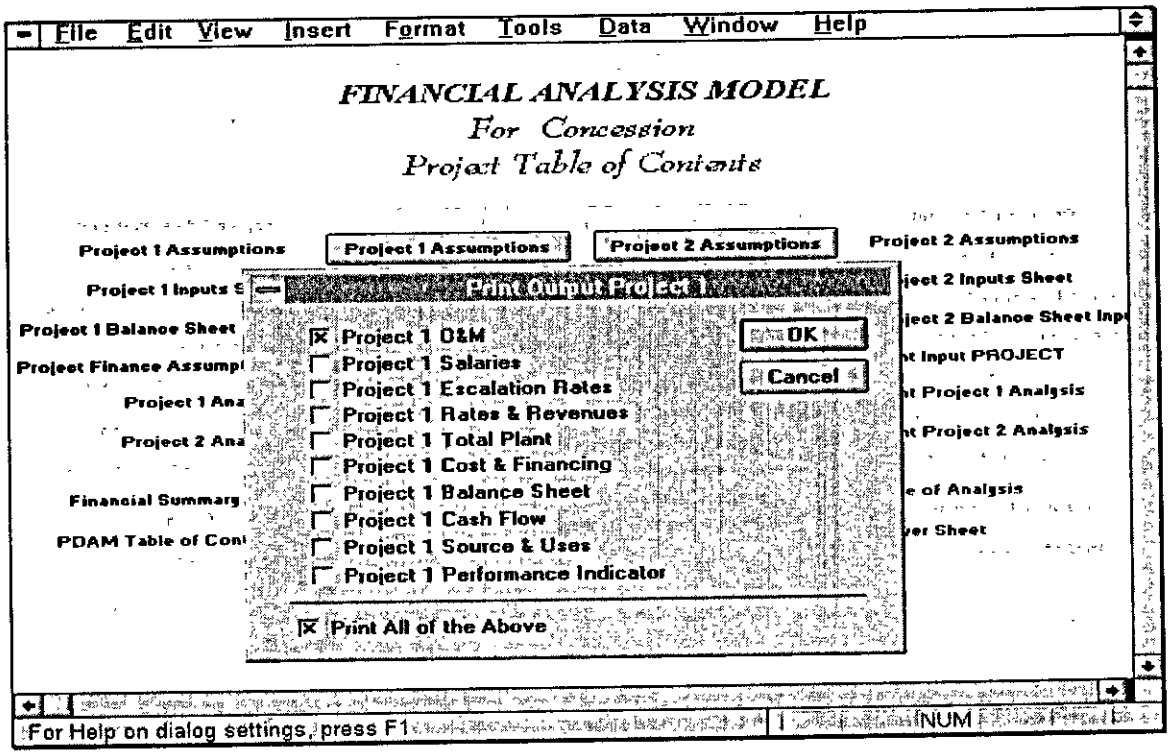


Figure 2.18 Display of Print Output Project 1

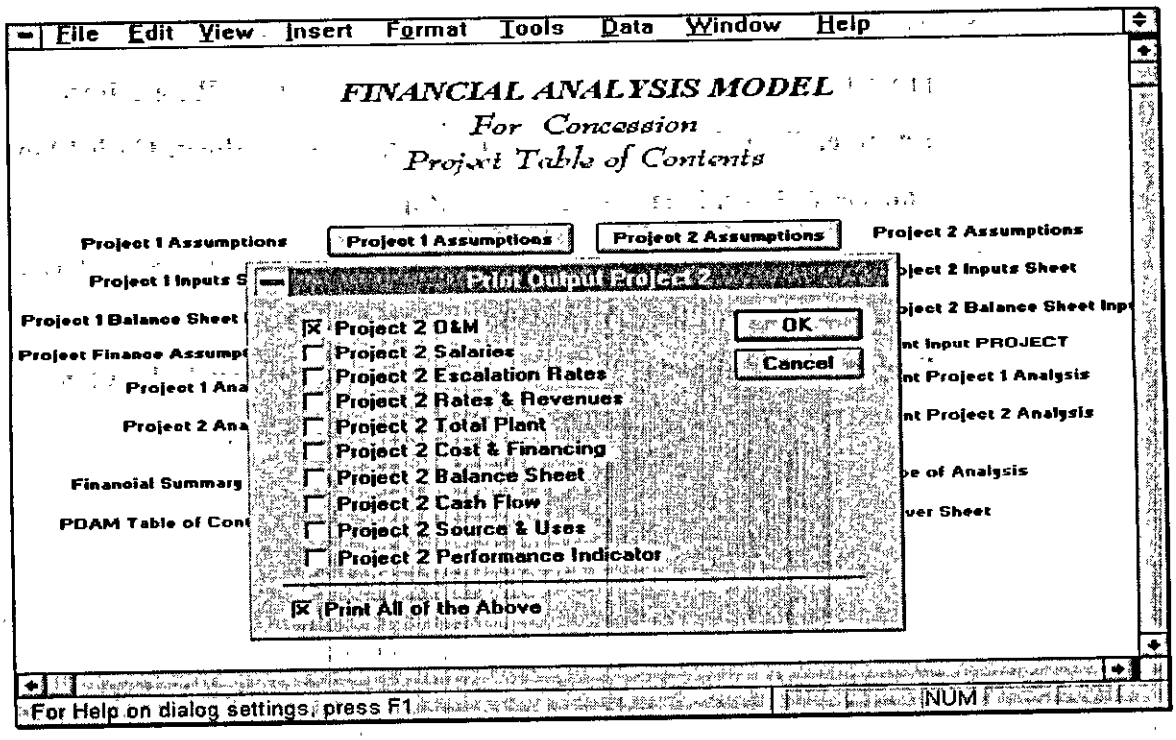


Figure 2.19 Display of Print Output Project 2

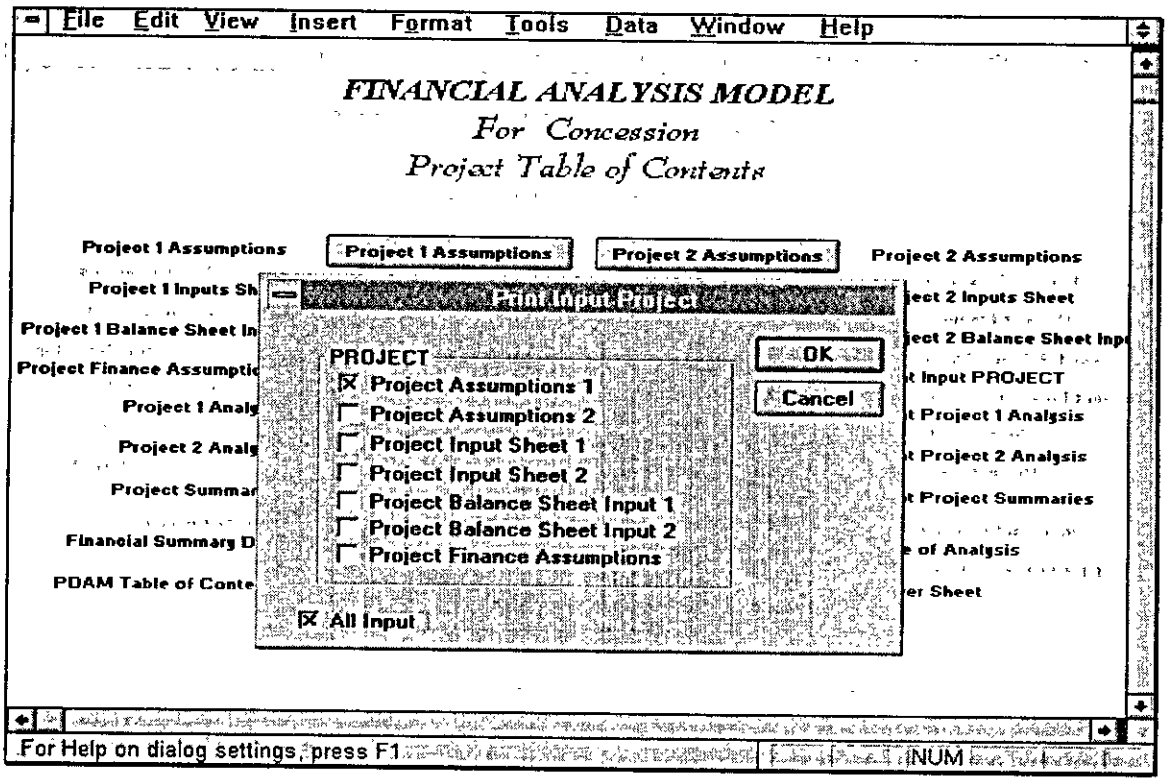


Figure 2.20 Display of Print Input Project

- The Output Menu to the printer in the PROJECT Analysis for each project consists of : **O & M, Salaries, Escalation Rates, Rates & revenue, Total Plant, Cost & Financing, Balance Sheet, Cash Flow, Sources & Uses, Performance Indicator.**
- The Input Menu to the computer in the PROJECT Analysis for each project consists of the **Project Assumption 1, Project Assumption 2, Project Input Sheet 1, Project Input Sheet 2, Project Balance Sheet 1, Project Balance Sheet 2, Project Finance Assumptions.**

2.3 Running the FAM Program

After installing is completed, there are 2 methods that can be chosen to run the FAM Program :

1. **Running by DOS, directly to the FAM Program.**

   a. From drive C:\> type **WIN C:\FAM\FAMCON.XLS** then press ENTER.

   C:\> WIN C:\FAM\FAMCON.XLS <ENTER>.

   b. Wait a while, and the monitor will display the main menu of the FAM Program. See Figure 2.4 Display of FAM Main Menu which is ready to be run .....

2. **Running by Windows**

   a. From drive C:\> type **WIN** then press ENTER.

   C:\>WIN <ENTER>

   b. From Figure 2.21, press the left button of the mouse twice on the Icon Microsoft Excel which can be found in the Program Group 'Microsoft Office'. After Microsoft Excel has been activated (see Figure 2.22 Microsoft Excel Display) continue with step 'c' if not to step 'a'.

   c. See Figure 2.22. Click **File.**

   d. From Figure 2.23. Click **Open.**

   e. From Figure 2.23 .....

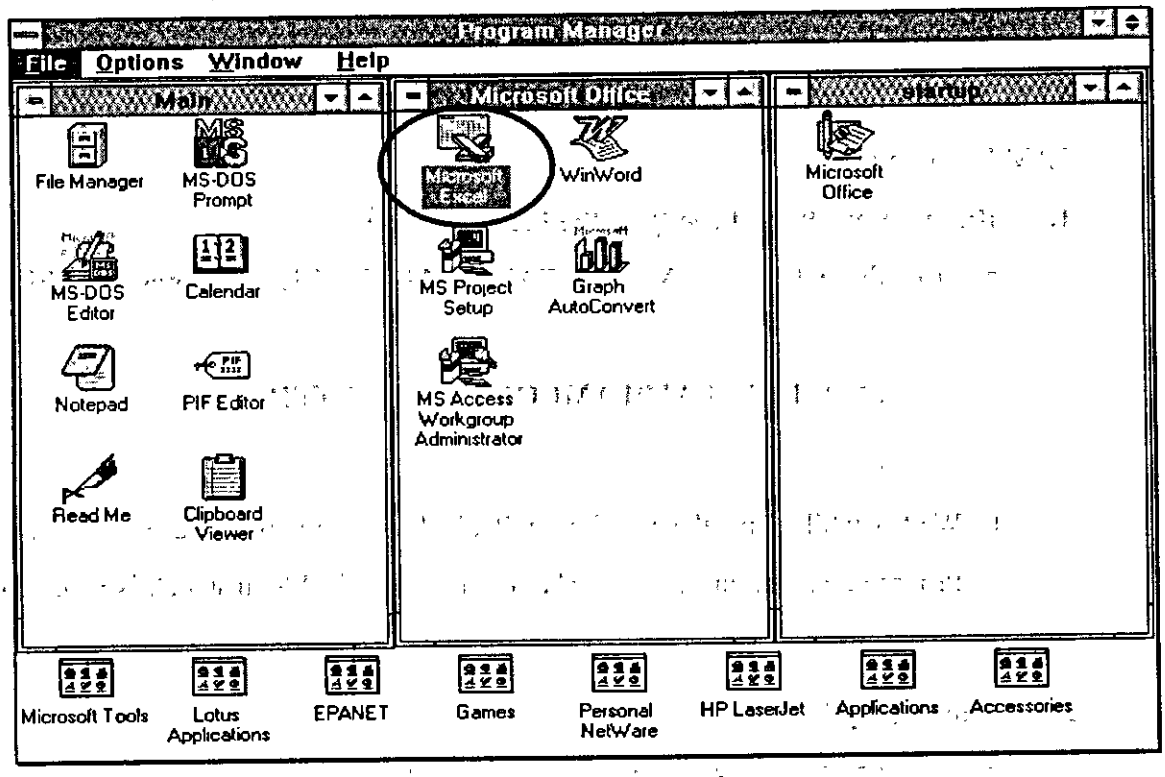


Figure 2.21 Display of Windows (Program manager)

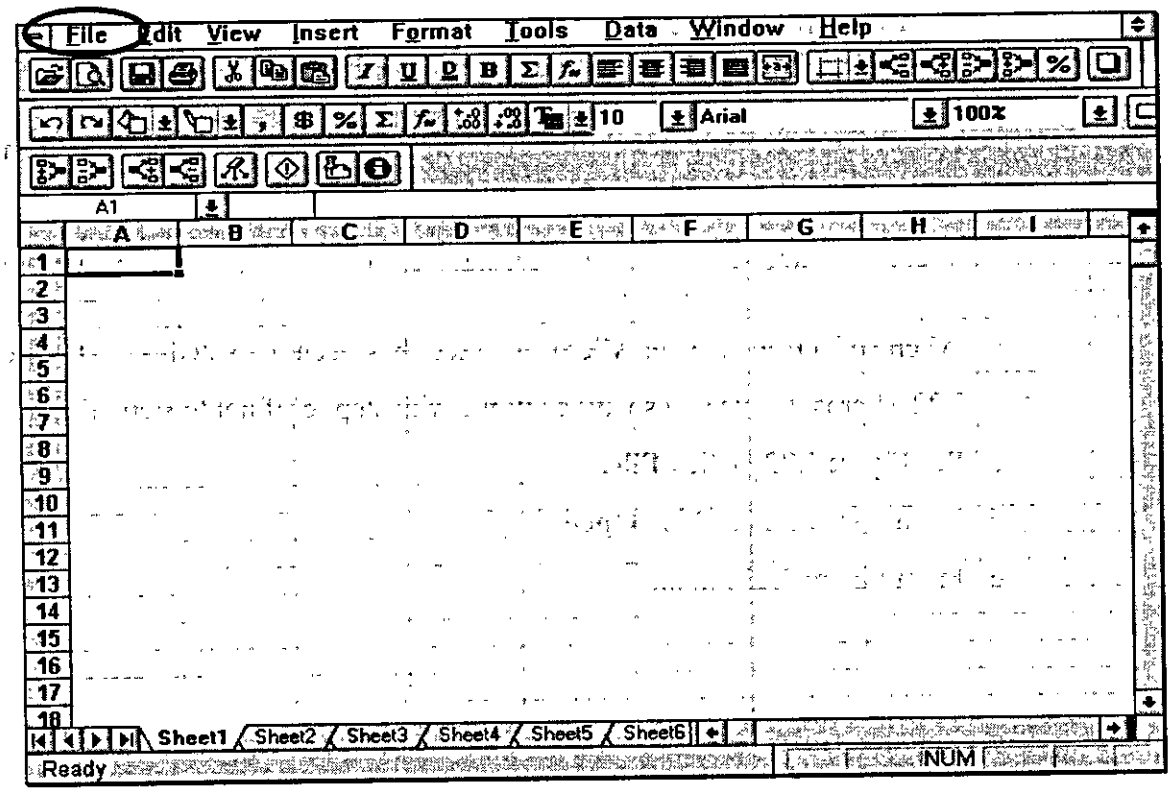


Figure 2.22 Display of Microsoft Excel

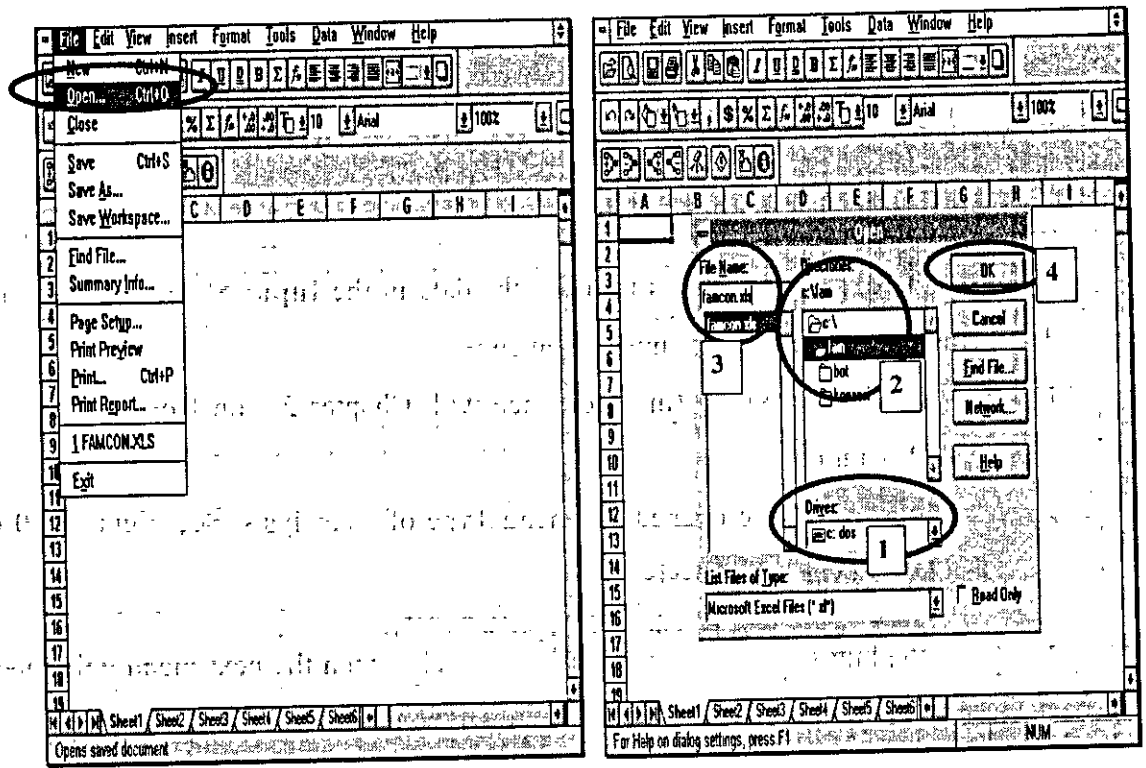


Figure 2.23 Display of Open the FAM Program

e. From Figure 2.23 (see order of list no. 1 - 4)

1. Click Drives (the box) then select **c: dos**
2. Click Directories two times (click the yellow box) and choose the directory **FAM**, then click twice.
3. Select the **File to be opened (FAMCON.XLS)**, then click once.
4. Click the **OK** button. The monitor will display the main menu of the FAM Program. See Figure 2.4 Display of FAM Main Menu that is ready to be run .....

CHAPTER III
PDAM ANALYSIS

3.1 Data Input.

After becoming familiar with FAM as a whole, both its data structure as well as its menu structure, the next step is to insert the data in the **Input Sheet**. To begin the data input, the following steps must be taken :

1. Run the FAM program (in accordance with Chapter 2.2 on How To Run the FAM Program)
2. Make sure you have opened the menu Type of Analysis. See Figure 2.10 on Display of Type of Analysis.
3. Click the button **RESET ALL INPUT !!!**, then the next menu will appear as shown in Figure 3.1 below. The user will be faced with two choices.
4. Click button **Yes**, if you want to erase all data entered at PDAM and PROJECT to be filled with new data. And click button **No**, if you want to cancel.
5. If you click **Yes**, you have to give the file a new name, as seen in Figure 3.1 Part B (see 1 - 4)
6. Click Drives (click the box) and select **c: dos.**
7. Click twice Directories (click the yellow box) and select **FAM** directory, then click twice.
8. Place pointer at **File Name :** type a new file name (must not be a duplicate of any file already existing) for example : **DATA98.XLS.**
9. Click **OK** button. The computer shall reset and process the new file name.

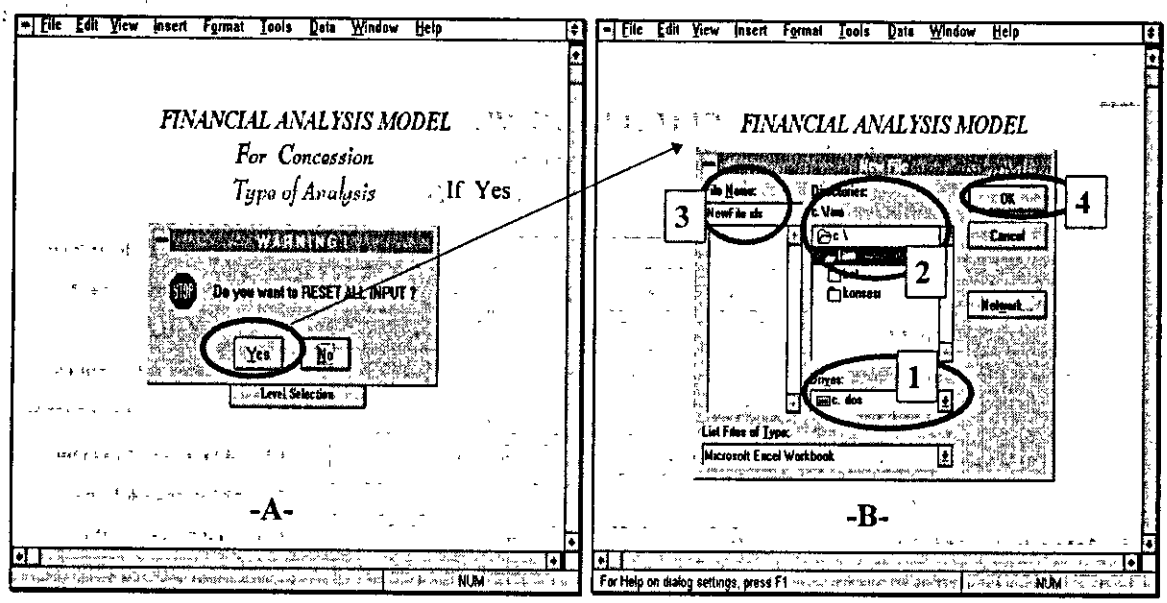


Figure 3.1 Display of RESET ALL INPUT

Note : The **RESET ALL INPUT** button is used when making a new analysis. Whereas to continue an analysis already made, continue to PDAM analysis or PROJECT and do not select RESET ALL INPUT as this will cause all data input to be deleted !!

10. After the **RESET ALL INPUT** process, the next step is to insert PDAM data.

    Under the menu **Type of Analysis**, click button **PDAM**.

    The following will be displayed.

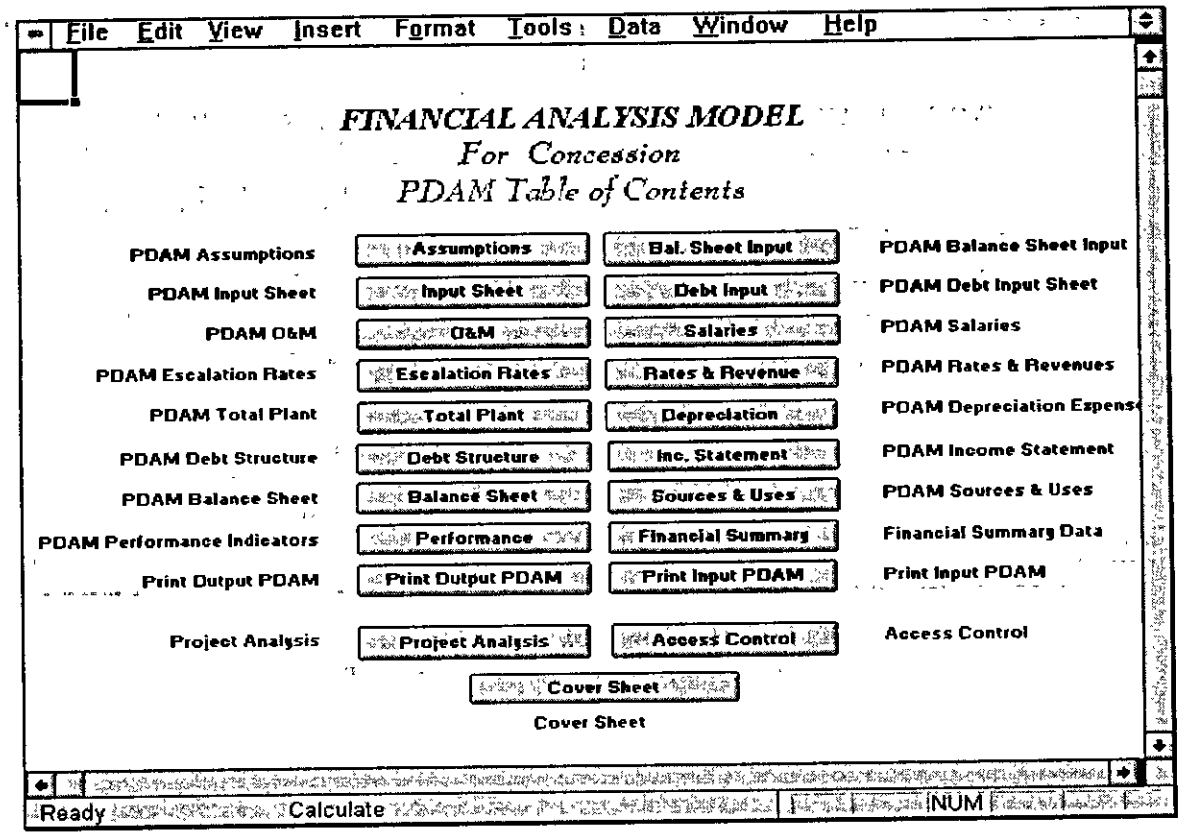


Figure 3.2 Display of PDAM Analysis (PDAM Table of Contents)

In this display appear such buttons as : Assumptions, Input Sheets, Balance Sheets Input, Debt Input (in black letters). **Enter the data only in the yellow columns.**

Assumptions This Sheet functions as a place to enter all assumptions required for the projection of the financial report. The data shall be obtained from BPKP financial reports during the past 4 years and the budget/estimation of 1 year.

- **PDAM,** fill in the name of the PDAM concerned.
- **Project,** fill in name of the project to be developed.
- **Scenario,** fill in the scenario or chosen alternative, such as : base case, pessimist, optimist.
- **First Year Study,** is the year in which analysis/entry commences. Then press button **F9** or click button **Calculation** on the current sheet to process the data that you entered onto the next sheets.

- **First Year of Project Construction,** is the year the project commences.
- **New Connections,** to be filled with historical data and projection according to survey results or estimation, both with or without projects.
- **Water Losses,** for historical data and projection according to survey results or estimation, both with or without projects.
- **Inflation Rate,** to be filled with historical data from the Central Bureau of Statistics (BPS). While projection data is based on estimation.
- **Tariff Escalation,** to be filled according to estimations of the economical conditions and the customers' capability of paying.
- **Consumption Growth,** consists of estimation of increase in consumption according to the survey results.
- **Water Treatment Plant Capacity** to be filled according to historical data as well as projections for the future.

ATTENTION :

- ***Data must be filled only in the yellow columns.***
- *Press **F9** or click button* **Calculation** *on the current sheet to process the data that you entered onto the next sheets.*

Input Sheet This sheet functions as a place to enter data required for projection of the financial statement. This data is obtained from the financial statements of BPKP in the past 4 years and the budget/estimation of 1 year.

- **Salaries,** the first 5 years shall consist of the number of employees and the subsequent years shall record only additional employees. Fill in the number of employees according to each department, such as water sources, water treatment, transmission and distribution, general & administrative. Fill in Average Salaries & Fringes with the total salaries/number of employees.

- **Operation & Maintenance**, shall be filled in accordance with the financial report audited by BPKP and internal reports, which are grouped according to their respective departments.
- **Water Sales Income**, fill this column according to classification of customers over a period of 5 years.
- **Total Consumption** is filled according to classification of customers over a period of 5 years.
- **Number of Connections**, shall be filled according to the classification of customers over a period of 5 years.
- **Other Water Income**, to be filled according to the financial statements over a period of 5 years.
- **Other Income**, to be filled according to the financial statements over a period of 5 years.
- **New Connections Income**, to be filled according to classification of customers over 5 years.
- **New Connections Charges**, these charges will be filled according to projection.
- **Current Plant**, to be filled according to the grouping of fixed assets over a period of 4 years.
- **Future Plant Additions/Write Offs**, to be filled according to the grouping of fixed assets over a period of 25 years in the future.
- **Accumulated Depreciation**, to be filled according to the grouping of fixed assets during the first year.
- **Depreciation**, to be filled according to the grouping of fixed assets over a period of 4 years.

ATTENTION :

- ***Data must be filled only in the yellow columns.***
- *Press **F9** or click button* **Calculation** *on the current sheet to process the data that you entered onto the next sheets.*

Bal. Sheet Input This sheet functions as a place to enter data such as the balance sheet, equity, sources and uses of funds, and income tax. The data is obtained from the BPKP financial reports over 3 years and the budget/estimation of 1 year.

- **Assets, Liabilities & Equity**, to be filled according to the grouping of accounts over a period of 4 years.
- **Equity Additions**, to be filled according to projection of equity additions made in the future.
- **Sources & Uses**, to be filled only in the first year and must be accurate as this will affect the balance sheet.
- **Income**, to be filled for 4 years.

ATTENTION :

- ***Data must be filled only in the yellow columns.***
- *Press **F9** or click button* **Calculation** *on the current sheet to process the data that you entered onto the next sheets..*

Debt Input These sheets provide a place to record domestic loans and offshore loans, which in total amounts to 15 loans. There are two installment systems, namely fixed installment and declining installment. The components that must be input are :

- **Name** (Of Debtor)
- **O/S Balance**, if the loan are disburse at once, then enter data only for that year, and if disburse is in phases, then the data input shall be in accordance with each year that the fund is disburse.
- **Historical Interest Expenses**, to be filled when the disburse of loan in done in phases, and in accordance with each year that the funds are disburse.
- **O/S Balance IDC (Interest During Grace)**, to be filled when the disburse of funds in done in phase, and in accordance with each year that the funds are disburse.

- **Historical Principal Repayment**, to be filled when the disburse of funds in done in phases, and in accordance with each year that the funds are disburse.
- **Total Principal**
- **Start Date**
- **Term**
- **Grace Period Term**
- **Interest Rate**
- **Interest During Grace**
- **Administration Expense**

3.2 Supporting Table.

After the user has completed the data input and conducted calculations, the data shall be entered in a supporting table as well as in the main report. To open the supporting table, you should first open the menu PDAM Table of Contents (PDAM Analysis) by clicking the upper left button PDAM Table of Contents which shall reveal the menu as seen in Figure 3.2 (page 30). This Supporting Table in the first 5 years shall consist of the data input, whereas for the following 24 years shall be a projection calculated automatically. **The Supporting Table button (letters in blue).**

- **PDAM O&M** (Operation & Maintenance Costs), this report consists of 4 departments namely : water sources, water treatment & storage, transmission & distribution and general & administrative. These 4 departments are divided into sub departments, namely salaries, fuel, electricity, chemicals, equipment, etc.
- **PDAM Salaries**, this report contains the number of employees, the average salary and total employees' salaries which are divided into 4 departments. Calculation of the total salaries is made by calculating the number of employees, the average salary, increase in water production and rate of inflation.

- **PDAM Escalation Rates** , this report consists of 2 parts : raw values and annual escalation rate. The raw values show the actual amount, while the escalation rate shows the multiplication of each at the raw value.
- **PDAM Rate & Revenues** , an important variable which affects the financing of the company is the projection of water sales. This projection of sales constitutes the foundation for projection of the funds required by the company. There are 2 tables in this report consisting of PDAM Rate and Revenues and PDAM Revenues.

  The rate & revenues table is divided into 5 main components :

  - Number Connections by Class (customers by classification) : additional connections in the projected year is obtained by calculating the new connection allocation panel that can be seen in the lower column of this sheet.
  - Average Consumption/Connection : additional connections in the projected year are obtained by calculating the average consumption multiplied by the growth in consumption of that year.
  - Total Consumption : the amount in the projected year is calculated by multiplying the number of customers with the average consumption.
  - Average Tariff by Classifications : the projection of average tariff is calculated by multiplying the tariff of the previous year by the percentage of increase in tariff.
  - Water Sales Income : its projection is calculated by multiplying the total consumption by the average tariff.
- **PDAM Total Plant** , this report is divided into 3 main tables, namely : total plant, plant additions, and accumulated depreciation. Each table is divided into 7 groupings : (1) Land & Land Improvement, (2) Water Resources, (3) Pumps, (4) Water Processing, (5) Transmission & Distribution, (6) General Plant and (7) Waste Water Plant.

  1. *PDAM Total Plant* : projection in this table is obtained from the sum of the previous year's assets plus the plant additions and the write-offs.

2. *Plant Additions & Write-offs* : the historical data as well as the projection are the result of input from the PDAM Input Sheets.
3. *Accumulated Depreciation* : this table is obtained from the sum of the initial data on accumulated depreciation with the depreciation report (PDAM Depreciation Expense).

- **PDAM Depreciation Expense**, is an annual expense entered in the profit and loss statement and depicts the expenses for equipment used in the production process. Depreciation expenses are not cash expenses and are therefore completely different from expenses for salaries, raw material, maintenance, etc. Depreciation expense is a company cost included in the calculation of income tax. Depreciation is determined on the basis of PAI (Indonesian Accountancy Principle) and the standards set by the Department of Home Affairs. The lifetime of fixed assets is grouped as follows : buildings/reservoirs, show depreciation by straight-line method over 20 years, installations over 10 years by double declining balance method, and other assets such as vehicles, furniture and office equipment show depreciation in 2 years by double declining balance method.
- **PDAM Debt Structure** , this report is basically divided in two : detailed breakdown and a summary of the information on loans, which can divided into domestic loans and offshore loans. In the detailed breakdown, the components consist of : Name (name of debtor), O/S Balance (remainder of loan), Historical Interest Expenses, Historical Principal Repayment, Total Principal, Start Date, Term, Grace Period Term, Interest Rate, Interest During Grace, and Administration Expense.

  While the summary of loans contains information on Total LT-Debt Outstanding, Total Interest During Grace, Total Principal Repayment, Total Interest Expenses and Total Installment.

3.3 Main Report.

Main Report Menu Button (letters in blue).

- **PDAM Balance Sheet** , this report consists of 5 years' historical data and 24 years' projected data. The balance sheet shows us the financial position of the company at a certain time for example on December 31, and consists of the cash position, current assets, fixed assets, other assets, current debts, long-term debts and equity or capital. From the balance sheet can be determined the level of soundness, ability of the company to repay its short-term loans and long-term loans, and the amount of capital.
- **PDAM Income Statement** (Profit and Loss), this report is closely related with the supporting reports, namely PDAM Rates & Revenues, O & M, Debt Structure and Escalation Rates. The profit and loss statement is divided into 2 major groupings, namely operating revenue and operating cost. Operating revenue consists of : water sales income and other income, whereas operating cost consists of operation & maintenance, depreciation expense, amortization, and interest. The operating & maintenance cost is divided into 4 cost centers, namely : water source, water processing, transmission & distribution, and general & administrative costs.
- **PDAM Sources & Uses**, this table is obtained from the profit and loss statement, balance sheet and input sheets. Any change in cash position of the company is calculated from the difference between the source and use of the funds. This table also gives us a clear picture of the PDAM cash flow, both historically and its projection.
- **PDAM Performance Indicators**, this table provides information to the data users concerning the total soundness of PDAM used to analyze and restore the financial conditions of PDAM. From the information provided by this report we can (1) identify the problems, (2) identify the causes and (3) anticipate measures for solution to the matter.

- **Financial Summary**, this table depicts a summary of the financial conditions of PDAM as well as the project and consists of water income, water tariff, IRR, NPV and plans for project finance.

If you want to input data or analyze the project, press the button **Project Analysis** which is in red letters. If you want to access the project analysis menu or financial analyst, press the button **Access Control**. If you want to end the processing, press the button **Cover Sheet**.

CHAPTER IV
PROJECT ANALYSIS

4.1 Data Input.

After the PDAM data has been input and analyzed, the next step in the project development is to enter the project's data on the **Input Sheet**. Below is a display of the Project analysis menu.

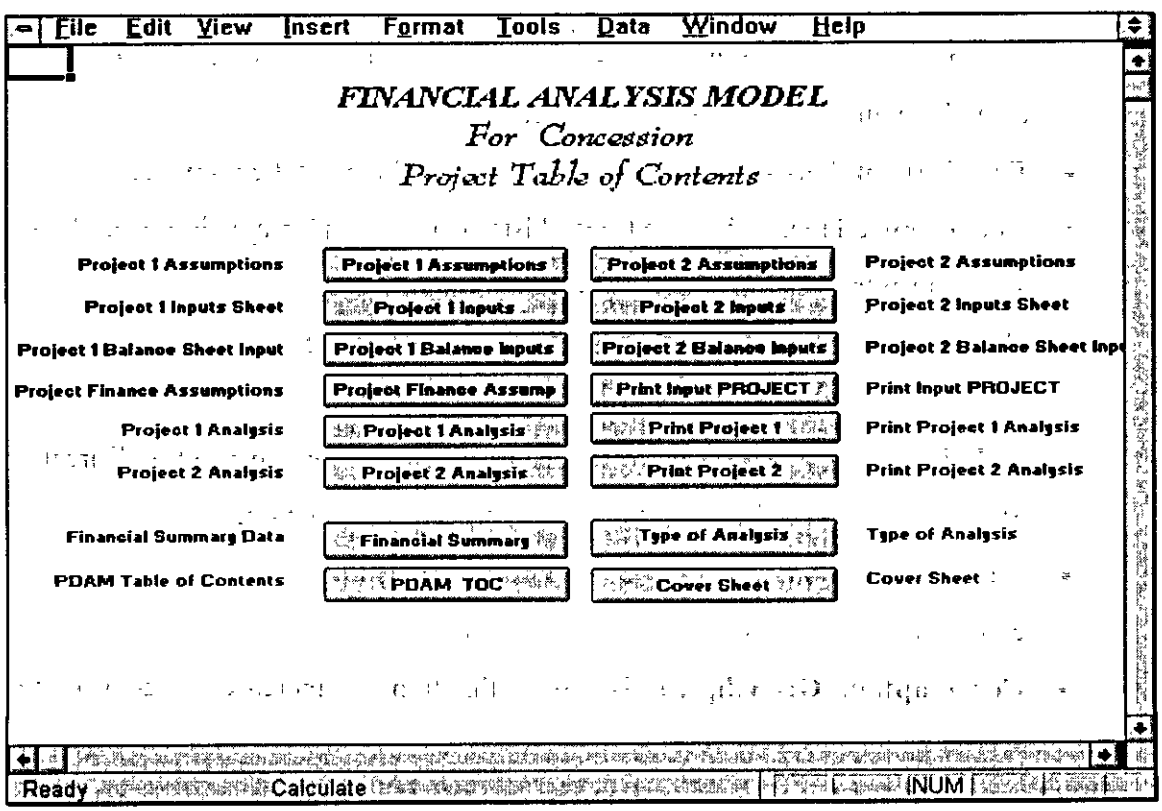


Figure 4.1 Display of PROJECT Analysis (PROJECT Table of Contents)

In this display we see buttons consisting of : Project Assumptions 1, Project Assumptions 2, Project Input Sheets 1, Project Input Sheet 2, Project Balance Sheet 1, Project Balance Sheet 2, and Project Finance Inputs. **Enter the data only in the yellow columns.**

Project 1 Assumptions or Project 2 Assumptions This Sheet functions as a place to enter all assumptions required for the projection of the financial report. The data shall be obtained from BPKP financial reports during the past 3 years and the budget/estimation of 1 year.

- **PDAM,** fill in the name of the PDAM concerned.
- **Project,** fill in name of the project to be developed.
- **Scenario**, fill in the scenario or chosen alternative, such as : base case, pessimist, optimist.
- **First Year Study,** is the year in which analysis/entry commences. Then press button **F9** or click button Calculation on the current sheet to process the data that you entered onto the next sheets.
- **First Year of Project Construction,** is the year the project commences.
- **New Connections**, to be filled with historical data and projection according to survey results or estimation, both with or without projects.
- **Water Losses**, for historical data and projection according to survey results or estimation, both with or without projects.
- **Inflation Rate**, to be filled with historical data from the Central Bureau of Statistics (BPS). While projection data is based on estimation.
- **Tariff Escalation**, to be filled according to estimations of the economical conditions and the customers' capability of paying.
- **Consumption Growth**, consists of estimation of increase in consumption according to the survey results.
- **Water Treatment Plant Capacity** to be filled according to historical data as well as projections for the future.

ATTENTION :

- ***Data must be filled only in the yellow columns.***
- *Press **F9** or click button* Calculation *on the current sheet to process the data that you entered onto the next sheets.*

Project 1 Input Sheets or Project 2 Input Sheets This sheet functions as a place to enter data required for projection of the financial statement. This data is obtained from the financial statements of BPKP in the past 3 years and the budget/estimation of 1 year.

- **Salaries**, the first 4 years shall consist of the number of employees and the subsequent years shall record only additional employees. Fill in the number of employees according to each department, such as water sources, water treatment, transmission and distribution, general & administrative. Fill in Average Salaries & Fringes with the total salaries/number of employees.
- **Operation & Maintenance**, shall be filled in accordance with the financial report audited by BPKP and internal reports, which are grouped according to their respective departments.
- **Water Sales Income**, fill this column according to classification of customers over a period of 4 years.
- **Total Consumption** is filled according to classification of customers over a period of 4 years.
- **Number of Connections**, shall be filled according to the classification of customers over a period of 4 years.
- **Other Water Income**, to be filled according to the financial statements over a period of 4 years.
- **Other Income**, to be filled according to the financial statements over a period of 4 years.
- **New Connections Income**, to be filled according to classification of customers over 4 years.
- **New Connections Charges**, these charges will be filled according to projection.
- **Project Cash Flow Input**, to be filled over a period of 25 years in future.

- **Capital Cost Input** , fill this column according to classification of the project's fixed assets.

ATTENTION :

- ***Data must be filled only in the yellow columns.***
- *Press **F9** or click button* **Calculation** *on the current sheet to process the data that you entered onto the next sheets.*

Project 1 Balance Sheet Input or **Project 2 Balance Sheet Input** This sheet functions as a place to enter data such as the balance sheet, equity, sources and uses of funds, and income tax. The data is obtained from the estimation over 4 years.

- **Assets, Liabilities & Equity**, to be filled according to the grouping of accounts over a period of 4 years.
- **Income**, to be filled for 4 years.

ATTENTION :

- ***Data must be filled only in the yellow columns.***
- *Press **F9** or click button* **Calculation** *on the current sheet to process the data that you entered onto the next sheets..*

Project Finance Assumptions This table is used to enter data regarding equity, public financing and private financing. For the project loans (private financing), the data entered is based on the year(s) and amount of loan disbursement. Project input sheets are designed for 2 projects, all having the same input format.

- **IDC Interest Rate Project** (Interest in Grace Period)
- **Government Equity Participation (%)**
- **Government Equity Term**
- **Government Equity Rate of Return (%)**
- **Private Equity Participation (%)**
- **Private Equity Rate of Return (%)**
- **Public Bond Participation (%)**
- **Bond Issuance Date**
- **Bond Issuance Costs (%)**
- **Discount Percentage (%)**
- **Bond Term**
- **Bond Interest Rate (%)**
- **Loan Term**
- **Loan Interest Rate (%)**

4.2 Project Financial Statement (Report).

To access the project report, choose the button Project 1 to 2 Analysis in the menu PROJECT Analysis (PROJECT Table of Contents). For example, by clicking the button [Project 1 Analysis], to see the report for Project 1, then you will go to the menu **Project 1 Table of Contents** as shown in Figure 4.2.

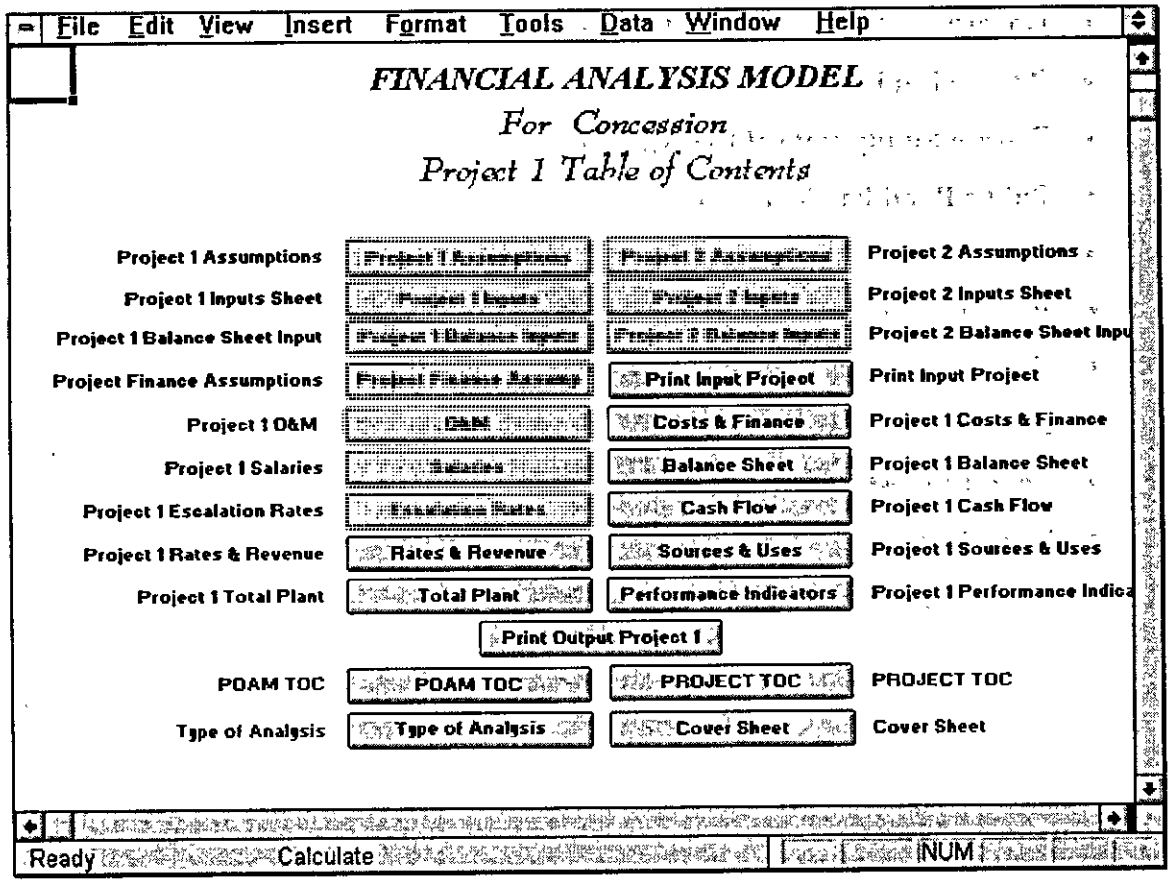


Figure 4.2 Display of Project 1 Table of Contents

In this display, we can see buttons regarding the project report, consisting of O & M, Salaries, Escalation Rates, Rates & Revenue, Total Plant, Costs & Financing, Balance Sheet, Cash Flow, Sources & Uses and Performance Indicators.

The Project Report button (letters in blue).

This report is a projection for 25 years.

- **PROJECT O&M** (Operation & Maintenance Costs), this report consists of 4 departments namely : water sources, water treatment & storage, transmission & distribution and general & administrative. The 4 departments are divided into sub departments, namely salaries, fuel, electricity, chemicals, equipment, etc.
- **PROJECT Salaries**, this report contains the number of employees, the average salary and total employees' salaries which are divided into 4 departments. Calculation of the total salaries is made by calculating the number of employees, the average salary, increase in water production and rate of inflation.
- **PROJECT Escalation Rates** , this report consists of 2 parts : raw values and annual escalation rate. The raw values show the actual amount, while the escalation rate shows the multiplication of each at the raw value.
- **PROJECT Rate & Revenues** , an important variable which affects the financing of the company is the projection of water sales. This projection of sales constitutes the foundation for projection of the funds required by the company. There are 2 tables in this report consisting of PROJECT Rate and Revenues and PROJECT Revenues.

  The rate & revenues table is divided into 5 main components :

  - Number Connections by Class (customers by classification) : additional connections in the projected year is obtained by calculating the new connection allocation panel that can be seen in the lower column of this sheet.
  - Average Consumption/Connection : additional connections in the projected year are obtained by calculating the average consumption multiplied by the growth in consumption of that year.
  - Total Consumption : the amount in the projected year is calculated by multiplying the number of customers with the average consumption.

- Average Tariff by Classifications : the projection of average tariff is calculated by multiplying the tariff of the previous year by the percentage of increase in tariff.
- Water Sales Income : its projection is calculated by multiplying the total consumption by the average tariff.

- **PROJECT Total Plant** ; this report is divided into 3 main tables, namely : total plant, plant additions, and accumulated depreciation. Each table is divided into 7 groupings : (1) Land & Land Improvement, (2) Water Resources, (3) Pumps, (4) Water Processing, (5) Transmission & Distribution, (6) General Plant and (7) Waste Water Plant.

  1. *PROJECT Total Plant* : projection in this table is obtained from the sum of the previous year's assets plus the plant additions and the write-offs.
  2. *Plant Additions & Write-offs* : the historical data as well as the projection are the result of input from the PROJECT Input Sheets.

  Accumulated Depreciation : this table is obtained from the sum of the initial data on accumulated depreciation with the depreciation report (PROJECT Depreciation Expense).

- **PROJECT Cost & Financing** (Loans), this report basically consists of 2 tables, namely a breakdown and a summary of the information on loans. In the breakdown the components are : O/S balance, Term, Interest Rate, Principal Payment, and Interest Payment. While the summary of loans consists of 2 main groups : Project Cost and Source of Funds. The project costs come under the group of fixed assets, whereas the fund sources are obtained from loans and capital, both from the government as well as private parties.
- **PROJECT Balance Sheet**, this report consists of the data for projection of 25 years. The balance sheet depicts the financial position at a given time, for example on December 31, and consists of the cash position, current assets, fixed assets, other assets, current debts, short-term debts and equity or capital.

From the balance sheet can be determined the level of soundness, ability of the company to repay its short-term loans and long-term loans, and the amount of capital.

- **PROJECT Cash Flow** , this report consists of 3 main issues : the profit and loss statement, the cash flow and the project's financial ratio.

  1. The profit and loss statement gives us the projects' revenue and expenses; operation & maintenance cost, interest rate, amortization and depreciation and income tax, and finally the level of profit/loss of the project.
  2. In the cash flow, we see that the project's cash flow is obtained from the profit plus interest and deducted by equity expenses.
  3. From the cash flow can be determined the IRR, NPV, rate of return of the project and DCR.

  This table is closely related to other reports such as O&M, Cost & Financing, Depreciation.

- **PROJECT Sources & Uses** , this table is derived from the cash flow statement and balance sheet. Changes in the company's cash position are calculated on the basis of the difference between the source and use of funds. This table also depicts in details the project's cash flow.

After completing the PDAM & PROJECT analysis, if you wish to see the **financial graph**, you must first open the menu **Executive Level** by clicking the button **Type of Analysis** . If you wish to print the input and reports, open the PDAM menu or PROJECT menu (see Chapter VI on how to print).

CHAPTER V
EXECUTIVE ANALYSIS

For users who opened the **Executive Level menu**, you will be faced with a choice of 7 graphs (see Figure 2.7 Executive Level display). These graphs are closely related to the supporting reports and the main PDAM report, so that users must enter assumption data as well as the available input at PDAM or PROJECT. These graphs cannot be altered by the users, both in **Protected** and **Unprotected** mode.

- **PDAM Net Income.** this graph is designed in linear form (line chart) and the data taken from the PDAM Income Statement (profit and loss). There are 3 important components in this graph, namely : (1) Total Operating Income, (2) Total Operating Expenses and (3) Net Income. By looking at this graph you can easily see the difference in slope between the total operating income and the total operating expenses. You can also see the difference in slopes of net income and total operating income.
- **PDAM Financial Health Indicators,** the data in this graph comes from the PDAM Performance Indicator report and consists of 3 main components : (1) Debt Structure, (2) Efficiency, and (3) Profitability. The graph clearly shows you the level of health (soundness) and prospects of the company in the future. If the debt coverage increases, then PDAM capability to repay its debts shall improve and lower the debt equity ratio. You can also see the fluctuation in PDAM health by observing the lines in the chart.
- **PDAM Net Plant/Total Plant,** this graph is designed as a line chart and the data is obtained from the PDAM Balance Sheet. There are 2 main components in this graph, namely (1) Total Plant in Service (fixed asset acquired value) and (2) Net Plant in Service (fixed asset book value). The graph shows the user the increase in acquired value of the total plant and its effect on depreciation cost.

- **PDAM Sales per Connection**, the data is obtained from the PDAM Income Statement (profit-loss). There are 2 main components in this graph : (1) Customers Connection, and (2) Consumption per Connection. This graph shows the user the increase in consumption for connection (customer) and its effect on the number of connections.
- **PDAM Average Rates**, this graph is designed as a bar chart. The graph shows the user the tendency in escalation of tariff during the projected period.
- **PDAM Total Sales**, this is designed as a bar chart, whose data is obtained from the PDAM Income Statement (profit-loss). By looking at this graph the user can see the tendency (slope) of escalation in water sales (000 m3) during the projected period.
- **PDAM Net Income/m3**, this graph is a line chart. There are 3 main components in this graph, namely : (1) Total Operating Income/m3, (2) Total Operating Expenses/m3 and (3) Net Income/m3. The graph shows the user the difference between the total operating income/m3 slope and the total operating expenses/m3 slope. The user can also detect the difference between the net income/m3 slope and the total operating income/m3 slope.

CHAPTER VI
CLOSING

6.1 Method of Printing.

After completing the process of data input, you can view the results of the financial statement projection process by printing the data.

Below are the steps to be taken in printing the PDAM or PROJECT Sheet.

- **Printing the PDAM Input or Output (Data Input or PDAM Report).**

  1. Open the menu **PDAM Table of Contents**. Click button Print Input PDAM or Print Output PDAM, and the display in Figure 6.1 will appear.

  2. Click this small square as shown in Figure 6.1. If the square is marked X, it means it is "ON" and this choice will be printed. When there is no X visible, it means this choice will not be printed.
     If you wish to print everything in the selected menu, then click the small square in Print All of the Above until an X is visible.

  3. After you have selected the printing square, click the **OK button** and the printing process will begin.....

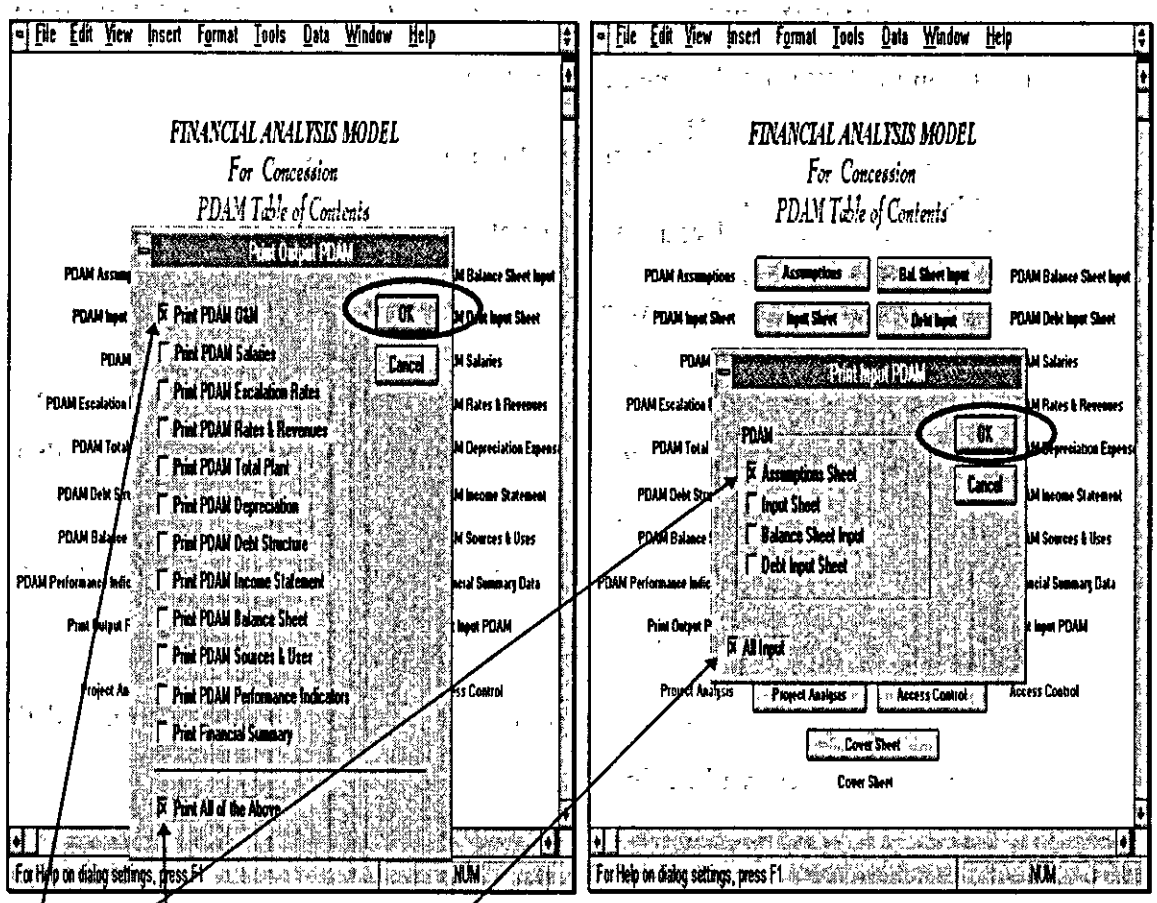


Figure 6.1 Display of Input & Output PDAM

Click here to select which one you want to print
(further, see instructions for PROJECT)

Click here if you wish to print all
(further, see instructions for PROJECT)

- **Printing the PROJECT Input or Output (Data Input or PROJECT Report).**

1. Open the **PROJECT** menu, click buttons :

   Print Input PROJECT if you want to print the project input

   Print Project 1 if you want to print the project 1 report.

   Print Project 2 if you want to print the project 2 report.

2. Click this small square as shown in Figure 6.2. If the square is marked X, it means it is "ON" and this choice will be printed. When there is no X visible, it means this choice will not be printed.

   If you wish to print everything in the selected menu, then click the small square in Print All of the Above until an X is visible.

3. After you have selected the printing square, click the **OK button** and the printing process will begin.....

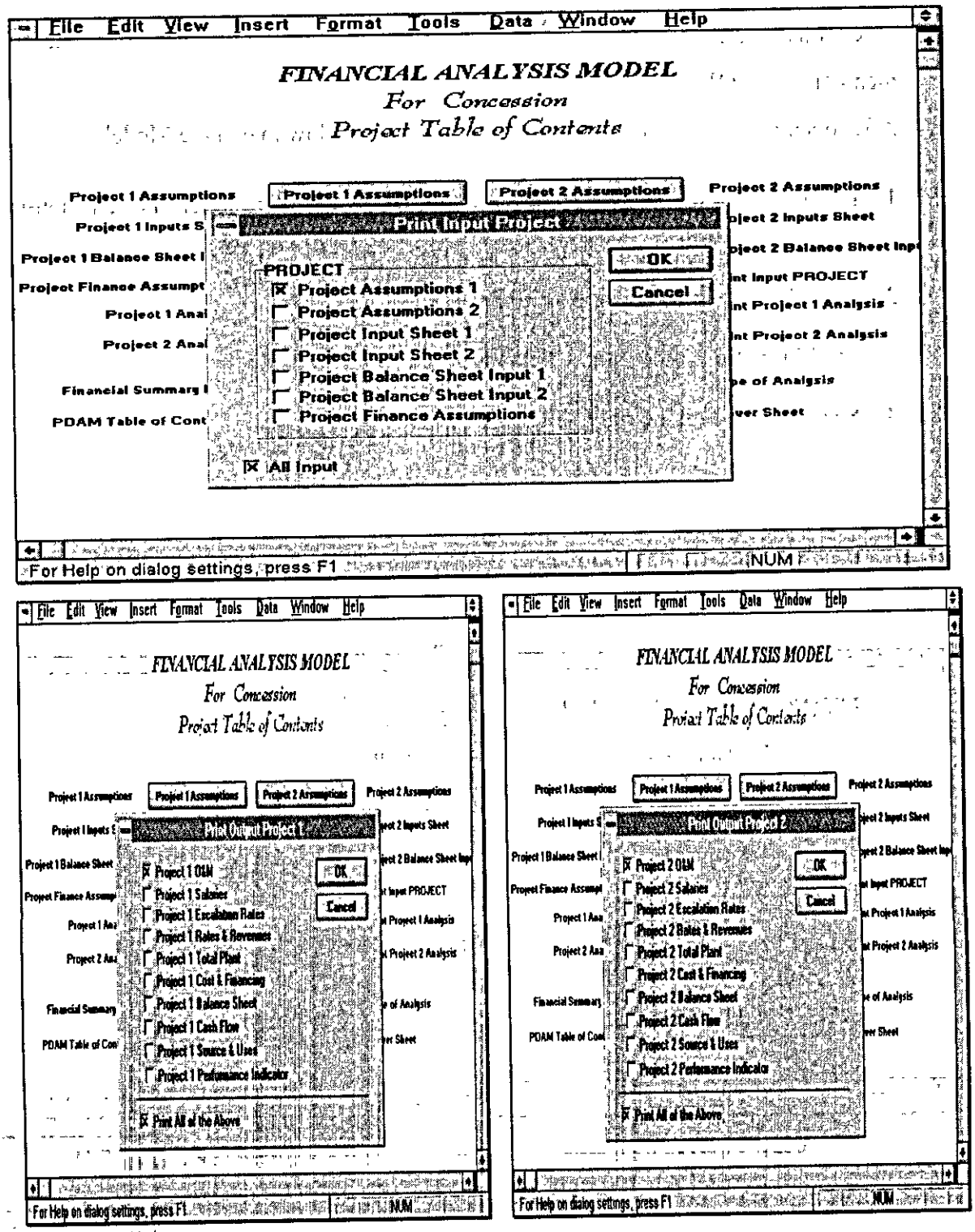


Figure 6.2 Display of Input & Output PROJECT

6.2 How to Exit and Save the FAM Program.

After having used the FAM Model, the data that was entered or altered must be saved. Find and click button Cover Sheet, either in the PDAM Table of Contents menu or the PROJECT Table of Contents.

After opening the FAM main menu, follow the steps below to end the Model :

1. Place the mouse on the button Close Model and click the left mouse button once.
2. Click **Yes** in the Dialogue Box to Save. See Figure 6.3
3. See Figure 6.3 on the right. Click menu **File**.
4. See Figure 6.3 on the right. Click menu **Exit**

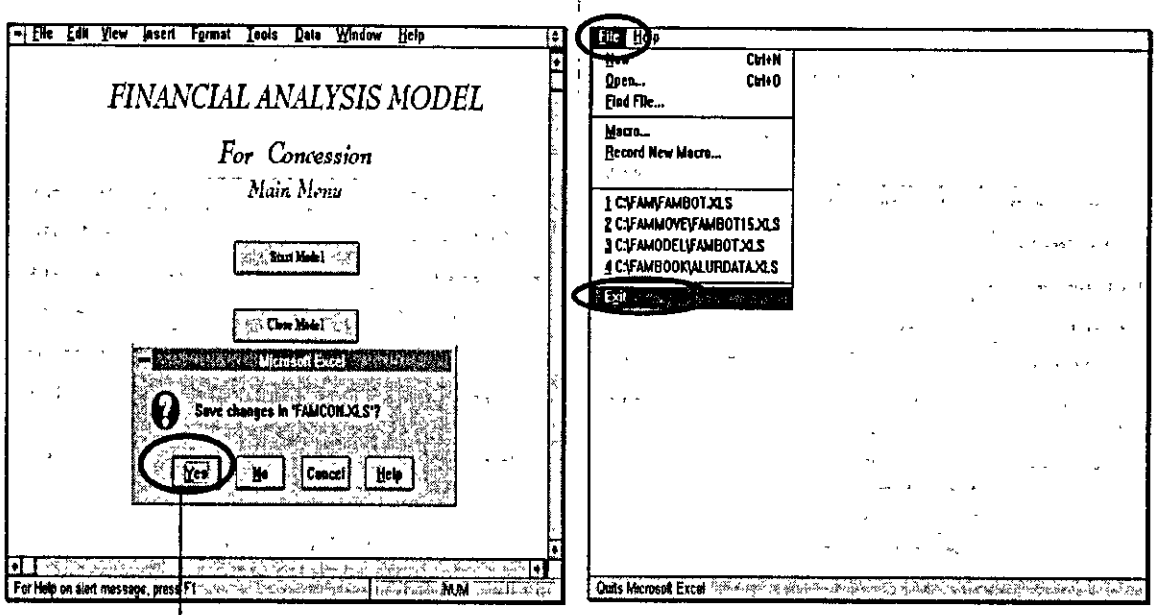


Figure 6.3 Display of Exiting and Saving the FAM Model

Yes

Make sure you click button 'Yes' on Dialog Save.

6.3 Compress and Backup File.

After saving the FAM program on your hardisk, the file program will take up approximately 4.03 MB of memory. Due to the large memory space required for this file program it is impossible to store the program on a small diskette (1.4 MB.) However, with modern technology, you can now compress your data to make a compact backup file. The file used for this is **PKZIP.EXE.**

Syntax :

PKZIP *[drive :] name of file compressed/backup [drive :] name of file to be compressed*

The steps are as follows :

1. Exit the Windows program to **C:\> _ prompt**
2. Change your directory to **FAM** by typing **CD\FAM** then press **ENTER.**

   C:\>CD\FAM <ENTER>

3. Make sure the contents of your directory contain the compressed/backup file **PKZIP.EXE.** Check the file through DOS command by typing **DIR** and pressing **ENTER.**

   C:\FAM>DIR <ENTER>

4. If the file is there, continue with step 5. If not ? Stop now.
5. Place a small diskette in Drive **A:** (empty diskette)

6. Type **PKZIP A:DATA98 DATA98.XLS** then press **ENTER.**

C:\FAM>PKZIP A:DATA98 DATA98.XLS <ENTER>

Data as result of compressed/backup file to be stored in **Drive A: (diskette)**

Name of **compressed/backup** file as desired

Name of the file to be **compressed/backup**

7. The outcome of step 6 will be a file named **DATA98.ZIP**. Now check your diskette to see if it contains the file DATA98.ZIP ?. By typing the command **DIR A:** then press **ENTER** to see the contents of your diskette.

C:\FAM>DIR A: <ENTER>

6.4 Opening / Restoring The File (Opening the Compressed File).

If you wish to open / restore the compressed file, you must use the file **PKUNZIP.EXE.**

Syntax :

PKUNZIP *[drive :] name of file compressed/backup[drive :] name of file restored*

The steps are as follows :

1. You are on DOS prompt **C:\>**
2. Change your directory to **FAM** by typing **CD\FAM** then press **ENTER.**

C:\>CD\FAM <ENTER>

3. Make sure the contents of your directory contain the compressed/backup file **PKUNZIP.EXE.** Check the file through DOS command by typing **DIR** and pressing **ENTER.**

C:\FAM>DIR <ENTER>

4. If the file is there, continue with step 5. If not? Stop now.
5. Place a small diskette containing the compressed/ backup file in Drive **A:** (from example in Chapter 6.3 , the file is named DATA98.ZIP)
6. Type **PKUNZIP A:DATA98**, then press **ENTER.**

C:\FAM>PKUNZIP A:DATA98 <ENTER>

Position of backup file to be restored in **Drive A: (diskette)**

Name of file **still in compressed/backup form**

7. The outcome of step 6 will be the initial file named **DATA98.XLS**. Now check your diskette to see if it contains the file DATA98.XLS ?. By typing the command **DIR** then press **ENTER** to see the contents of your diskette.

C:\FAM>DIR <ENTER>

------ ✻ ------

APPENDICES

PDAM Assumption Sheet /Scenario :

Input Specifications

PDAM	PDAM KODYA XYZ
Project	ABC CONCESSION
Scenario	
First Year of Study	1994
First Year of Project Construction	1998

New Connections		Unit	Year
Historical	New Connections-Year 1		1994
Historical	New Connections-Year 2		1995
Historical	New Connections-Year 3		1996
Budget	New Connections-Year 4		1997
Forecasted	New Connections-Year 5		1998
Forecasted	New Connections-Year 6	1,718	1999
Forecasted	New Connections-Year 7	2,765	2000
Forecasted	New Connections-Year 8	2,888	2001
Forecasted	New Connections-Year 9	3,026	2002
Forecasted	New Connections-Year 10	3,184	2003
Forecasted	New Connections-Year 11	3,368	2004
Forecasted	New Connections-Year 12	3,526	2005
Forecasted	New Connections-Year 13	3,717	2006
Forecasted	New Connections-Year 14	3,958	2007
Forecasted	New Connections-Year 15	4,284	2008
Forecasted	New Connections-Year 16	4,779	2009
Forecasted	New Connections-Year 17	5,779	2010
Forecasted	New Connections-Year 18	1,012	2011
Forecasted	New Connections-Year 19	1,023	2012
Forecasted	New Connections-Year 20	-	2013
Forecasted	New Connections-Year 21	-	2014
Forecasted	New Connections-Year 22	-	2015
Forecasted	New Connections-Year 23	-	2016
Forecasted	New Connections-Year 24	-	2017
Forecasted	New Connections-Year 25	-	2018
Forecasted	New Connections-Year 26	-	2019
Forecasted	New Connections-Year 27	-	2020
Forecasted	New Connections-Year 28	-	2021
Forecasted	New Connections-Year 29	-	2022

Water Losses		In Percentage	Year
Historical	Water Losses-Year 1	36.55%	1994
Historical	Water Losses-Year 2	41.48%	1995
Historical	Water Losses-Year 3	39.98%	1996
Budget	Water Losses-Year 4	42.00%	1997
Forecasted	Water Losses-Year 5	44.00%	1998
Forecasted	Water Losses-Year 6	42.00%	1999
Forecasted	Water Losses-Year 7	40.00%	2000
Forecasted	Water Losses-Year 8	38.00%	2001
Forecasted	Water Losses-Year 9	36.00%	2002
Forecasted	Water Losses-Year 10	33.00%	2003
Forecasted	Water Losses-Year 11	32.00%	2004
Forecasted	Water Losses-Year 12	31.00%	2005
Forecasted	Water Losses-Year 13	30.00%	2006
Forecasted	Water Losses-Year 14	29.00%	2007
Forecasted	Water Losses-Year 15	28.00%	2008
Forecasted	Water Losses-Year 16	27.00%	2009
Forecasted	Water Losses-Year 17	26.00%	2010
Forecasted	Water Losses-Year 18	25.00%	2011
Forecasted	Water Losses-Year 19	25.00%	2012
Forecasted	Water Losses-Year 20	25.00%	2013
Forecasted	Water Losses-Year 21	25.00%	2014
Forecasted	Water Losses-Year 22	25.00%	2015
Forecasted	Water Losses-Year 23	25.00%	2016
Forecasted	Water Losses-Year 24	25.00%	2017
Forecasted	Water Losses-Year 25	25.00%	2018
Forecasted	Water Losses-Year 26	25.00%	2019
Forecasted	Water Losses-Year 27	25.00%	2020
Forecasted	Water Losses-Year 28	25.00%	2021
Forecasted	Water Losses-Year 29	25.00%	2022

Inflation Rate		In Percentage	Year	CPI
Historical	Inflation Rate - Year 1	9.53%	1994	100
Historical	Inflation Rate - Year 2	9.77%	1995	110
Historical	Inflation Rate - Year 3	9.24%	1996	120
Budget	Inflation Rate - Year 4	10.00%	1997	132
Forecasted	Inflation Rate - Year 5	0.00%	1998	132
Forecasted	Inflation Rate - Year 6	0.00%	1999	132
Forecasted	Inflation Rate - Year 7	0.00%	2000	132
Forecasted	Inflation Rate - Year 8	0.00%	2001	132
Forecasted	Inflation Rate - Year 9	0.00%	2002	132
Forecasted	Inflation Rate - Year 10	0.00%	2003	132
Forecasted	Inflation Rate - Year 11	0.00%	2004	132
Forecasted	Inflation Rate - Year 12	0.00%	2005	132
Forecasted	Inflation Rate - Year 13	0.00%	2006	132
Forecasted	Inflation Rate - Year 14	0.00%	2007	132
Forecasted	Inflation Rate - Year 15	0.00%	2008	132
Forecasted	Inflation Rate - Year 16	0.00%	2009	132
Forecasted	Inflation Rate - Year 17	0.00%	2010	132
Forecasted	Inflation Rate - Year 18	0.00%	2011	132
Forecasted	Inflation Rate - Year 19	0.00%	2012	132
Forecasted	Inflation Rate - Year 20	0.00%	2013	132
Forecasted	Inflation Rate - Year 21	0.00%	2014	132
Forecasted	Inflation Rate - Year 22	0.00%	2015	132
Forecasted	Inflation Rate - Year 23	0.00%	2016	132
Forecasted	Inflation Rate - Year 24	0.00%	2017	132
Forecasted	Inflation Rate - Year 25	0.00%	2018	132
Forecasted	Inflation Rate - Year 26	0.00%	2019	132
Forecasted	Inflation Rate - Year 27	0.00%	2020	132
Forecasted	Inflation Rate - Year 28	0.00%	2021	132
Forecasted	Inflation Rate - Year 29	0.00%	2022	132

Tariff Escalation		In Percentage	Year
Historical	Tariff Escalation -Year 1		1994
Historical	Tariff Escalation -Year 2		1995
Historical	Tariff Escalation -Year 3		1996
Budget	Tariff Escalation -Year 4		1997
Forecasted	Tariff Escalation -Year 5		1998
Forecasted	Tariff Escalation -Year 6	0.00%	1999
Forecasted	Tariff Escalation -Year 7	30.00%	2000
Forecasted	Tariff Escalation -Year 8	0.00%	2001
Forecasted	Tariff Escalation -Year 9	25.00%	2002
Forecasted	Tariff Escalation -Year 10	0.00%	2003
Forecasted	Tariff Escalation -Year 11	0.00%	2004
Forecasted	Tariff Escalation -Year 12	0.00%	2005
Forecasted	Tariff Escalation -Year 13	0.00%	2006
Forecasted	Tariff Escalation -Year 14	0.00%	2007
Forecasted	Tariff Escalation -Year 15	0.00%	2008
Forecasted	Tariff Escalation -Year 16	0.00%	2009
Forecasted	Tariff Escalation -Year 17	0.00%	2010
Forecasted	Tariff Escalation -Year 18	0.00%	2011
Forecasted	Tariff Escalation -Year 19	0.00%	2012
Forecasted	Tariff Escalation -Year 20	0.00%	2013
Forecasted	Tariff Escalation -Year 21	0.00%	2014
Forecasted	Tariff Escalation -Year 22	0.00%	2015
Forecasted	Tariff Escalation -Year 23	0.00%	2016
Forecasted	Tariff Escalation -Year 24	0.00%	2017
Forecasted	Tariff Escalation -Year 25	0.00%	2018
Forecasted	Tariff Escalation -Year 26	0.00%	2019
Forecasted	Tariff Escalation -Year 27	0.00%	2020
Forecasted	Tariff Escalation -Year 28	0.00%	2021
Forecasted	Tariff Escalation -Year 29	0.00%	2022

Consumption Growth		In Percentage	Year
Historical	Consumption Growth - Year 1		1994
Historical	Consumption Growth - Year 2		1995
Historical	Consumption Growth - Year 3		1996
Budget	Consumption Growth - Year 4		1997
Forecasted	Consumption Growth - Year 5		1998
Forecasted	Consumption Growth - Year 6	2.50%	1999
Forecasted	Consumption Growth - Year 7	2.50%	2000
Forecasted	Consumption Growth - Year 8	2.50%	2001
Forecasted	Consumption Growth - Year 9	2.50%	2002
Forecasted	Consumption Growth - Year 10	2.00%	2003
Forecasted	Consumption Growth - Year 11	1.50%	2004
Forecasted	Consumption Growth - Year 12	1.00%	2005
Forecasted	Consumption Growth - Year 13	0.50%	2006
Forecasted	Consumption Growth - Year 14	0.00%	2007
Forecasted	Consumption Growth - Year 15	0.00%	2008
Forecasted	Consumption Growth - Year 16	0.00%	2009
Forecasted	Consumption Growth - Year 17	0.00%	2010
Forecasted	Consumption Growth - Year 18	0.00%	2011
Forecasted	Consumption Growth - Year 19	0.00%	2012
Forecasted	Consumption Growth - Year 20	0.00%	2013
Forecasted	Consumption Growth - Year 21	0.00%	2014
Forecasted	Consumption Growth - Year 22	0.00%	2015
Forecasted	Consumption Growth - Year 23	0.00%	2016
Forecasted	Consumption Growth - Year 24	0.00%	2017
Forecasted	Consumption Growth - Year 25	0.00%	2018
Forecasted	Consumption Growth - Year 26	0.00%	2019
Forecasted	Consumption Growth - Year 27	0.00%	2020
Forecasted	Consumption Growth - Year 28	0.00%	2021
Forecasted	Consumption Growth - Year 29	0.00%	2022

Water Treatment Plant Capacity		(000 L/S)	Year
Historical	- Year 1	610	1994
Historical	- Year 2	610	1995
Historical	- Year 3	610	1996
Budget	- Year 4	610	1997
Forecasted	- Year 5	946	1998
Forecasted	- Year 6	946	1999
Forecasted	- Year 7	946	2000
Forecasted	- Year 8	1,246	2001
Forecasted	- Year 9	1,246	2002
Forecasted	- Year 10	1,246	2003
Forecasted	- Year 11	1,246	2004
Forecasted	- Year 12	1,246	2005
Forecasted	- Year 13	1,246	2006
Forecasted	- Year 14	1,246	2007
Forecasted	- Year 15	1,246	2008
Forecasted	- Year 16	1,246	2009
Forecasted	- Year 17	1,246	2010
Forecasted	- Year 18	1,246	2011
Forecasted	- Year 19	1,246	2012
Forecasted	- Year 20	1,246	2013
Forecasted	- Year 21	1,246	2014
Forecasted	- Year 22	1,246	2015
Forecasted	- Year 23	1,246	2016
Forecasted	- Year 24	1,246	2017
Forecasted	- Year 25	1,246	2018
Forecasted	- Year 26	1,246	2019
Forecasted	- Year 27	1,246	2020
Forecasted	- Year 28	1,246	2021
Forecasted	- Year 29	1,246	2022

PDAM Input Sheet /Scenario :

Salaries	Historical 1994 Total	Historical 1995 Total	Historical 1996 Total	Budget 1997 Total	Projected 1998 Total	Projected 1999 Total	Projected 2000 Total	Projected 2001 Total	Projected 2002 Total	Projected 2003 Total	Projected 2004 Total	Projected 2005 Total
Net Employee (People/Person)												
Water Source	15	14	9	24	24							
Water Treatment	38	35	35	37	27							
Transmission & Dist.	107	115	119	138	88							
General & Admin.	298	267	313	413	373							
Average Salary and Fringes* (Rp 000)												
Water Source	4,871	5,112	10,786	5,320								
Water Treatment	4,390	5,373	5,911	6,849								
Transmission & Dist.	4,313	4,548	5,028	5,051								
General & Admin.	5,528	6,895	7,555	7,400								

(Rp 000) /Scenario :

Operations & Maintenance	Historical 1994	Historical 1995	Historical 1996	Budget 1997	Projected 1998
WATER SOURCE					
Operation Expenses					
Personnel	73,061	71,561	97,074	127,690	126,333
Fuel					
Power					
Other		7,730	835	1,224	
Maintenance Expenses	27,781	34,537	56,961	25,047	25,937
Raw Water Expense	233,881	557,654	783,829	742,369	743,445
Project Water Expense					
Total Water Source Expense	334,723	671,482	938,699	896,329	895,715
WATER TREATMENT & STORAGE					
Operation					
Personnel	166,824	188,072	206,878	253,431	209,628
Chemicals	21,770	36,789	35,361	31,370	
Fuels					
Power	849,315	1,075,947	1,097,818	1,167,214	1,071,076
Other		17,100	373	212	
Maintenance	35,783	58,242	97,758	96,531	106,008
Total Treat. & Storage Expense	1,073,692	1,376,150	1,438,206	1,548,758	1,386,711
TRANSMISSION & DISTRIBUTION					
Operation					
Personnel	461,519	523,069	598,371	696,989	342,027
Fuels					
Power					
Other		54,407	16,643	19,426	
Maintenance	270,638	254,660	477,867	745,030	665,160
Total Trans.& Dist. Expense	732,157	832,136	1,092,881	1,461,445	1,007,187
GENERAL & ADMINISTRATIVE					
Operation					
Personnel	1,647,202	1,840,946	2,364,654	3,056,057	2,489,909
Office Expense	351,588	1,152,624	1,016,095	1,650,868	1,203,949
Consumer Services	334,874	564,211	877,571	777,997	527,256
Research & Development	85,391	103,876	65,940	61,287	
General Maintenance	160,034	193,102	588,485	388,874	453,071
Cost for Recoverable Set Aside	14,087	103,755	28,411	204,769	
Miscellaneous	222,855	207,433	147,267	314,928	277,755
Total General & Admin. Expense	2,796,031	4,165,949	5,088,423	6,454,779	4,951,939
Non-Operating Expense	133,924	593,365	654,388	180,988	
Non-Operating Income	210,271	143,910	305,892	159,345	
Total Operations & Maintenance Exp	4,860,256	7,495,172	8,906,705	10,362,955	8,241,553
Interest Expense (In G&A section)					
Interest Expense	See Next Sheet (Debt Input Sheet)				
Depreciation Expense	See This Sheet (Depreciation Table)				

Projected 2006 Total	Projected 2007 Total	Projected 2008 Total	Projected 2009 Total	Projected 2010 Total	Projected 2011 Total	Projected 2012 Total	Projected 2013 Total	Projected 2014 Total	Projected 2015 Total	Projected 2016 Total	Projected 2017 Total	Projected 2018 Total	Projected 2019 Total	Projected 2020 Total	Projected 2021 Total	Projected 2022 Total

(Rp 000) /Scenario :

Class		Water Sales Income (Rp 000) 1994	1995	1996	1997	1998	Total Consumption (m3) 1994	1995	1996	1997	1998	1994
Tariff Class 1	CLASS I Sub Total	0	0	0	0	0	0	0	0	0	0	0
Tariff Class 1	Public Tap											
Tariff Class 1	Public Toilet											
Tariff Class 1	Water Tank											
Tariff Class 1	Masque/Church/Vihara											
Tariff Class 2	CLASS II Sub Total	7,579,741	9,844,494	10,260,455	10,869,473	8,883,327	17,326,535	15,925,744	16,943,314	18,084,524	9,171,060	43,900
Tariff Class 2	Very Small House	5,622,287	8,298,413	8,727,030	9,323,122	8,269,463	13,738,864	13,122,572	13,829,456	14,906,890	8,158,668	40,574
Tariff Class 2	Orphanage	1,409,932	727,834	586,600	578,357	190,436	1,251,340	346,569	286,633	283,800	60,744	2,271
Tariff Class 2	Social Foundation	547,522	818,447	946,825	967,994	423,429	2,336,331	2,456,603	2,827,225	2,893,834	951,648	1,055
Tariff Class 2	Public School											
Tariff Class 2	Public Hospital											
Tariff Class 2	Gov. & Army - Kec & Kel											
Tariff Class 3	CLASS III Sub Total	0	0	0	0	0	0	0	0	0	0	0
Tariff Class 3	Medium Size House											
Tariff Class 3	Small Commercial											
Tariff Class 3	Home Industry											
Tariff Class 3	Gov & Army - TK II											
Tariff Class 4	CLASS IV Sub Total	3,010,064	7,239,011	7,808,951	7,527,390	5,753,570	2,542,255	3,448,673	3,624,744	3,396,982	2,634,852	351
Tariff Class 4	Luxury House											
Tariff Class 4	Large Commer & Manufa	278,736	1,863,621	1,938,618	1,775,450	396,510	145,434	687,290	663,900	606,894	106,536	96
Tariff Class 4	Gov & Army - TK I	2,731,328	5,375,390	5,870,333	5,751,940	5,357,059	2,396,821	2,761,383	2,960,844	2,790,088	2,528,316	255
Tariff Class 4	Embassy & Consulate											
Tariff Class 5	Special Class											
Total		10,589,805	17,083,505	18,069,406	18,396,863	14,636,897	19,868,790	19,374,417	20,568,058	21,481,506	11,805,912	44,251

Other Water Income	
[illegible]	[illegible]
[illegible]	[illegible]
[illegible]	[illegible]
[illegible]	[illegible]
[illegible]	[illegible]

Other Income (Non Water Income)	
[illegible]	[illegible]
[illegible]	[illegible]
[illegible]	[illegible]
[illegible]	[illegible]
[illegible]	[illegible]

New Conections Income	
Year 1	1,762,043
Year 2	1,887,977
Year 3	1,332,181
Year 4	1,156,936
Year 5	

New Conections Charges	
Year 6	300
Year 7	300
Year 8	300
Year 9	300
Year 10	300
Year 11	300
Year 12	300
Year 13	300
Year 14	300
Year 15	300
Year 16	300
Year 17	300
Year 18	300
Year 19	300
Year 20	300
Year 21	300
Year 22	300
Year 23	300
Year 24	300
Year 25	300
Year 26	300
Year 27	300
Year 28	300
Year 29	300

Number of Connections (Uni				Consumption %		Connections %	
1995	1996	1997	1998	Trend	Prosentase	Trend	Prosentase
0	0	0	0	0	0 00%	0	0 00%
				0	0.00%	0	0.00%
				0	0.00%	0	0.00%
				0	0.00%	0	0.00%
				0	0.00%	0	0 00%
49,910	55,421	60,308	33,869	12,659 801	80 04%	46,749	97 32%
47,828	53,164	57,891	32,989	10,876,075	68.77%	45,468	94.65%
902	947	981	225	42,976	0.27%	263	0.55%
1,180	1,310	1,436	655	1,826,701	11.55%	1,018	2.12%
				0	0.00%	0	0.00%
				0	0.00%	0	0.00%
				0	0.00%	0	0.00%
0	0	0	0	0	0 00%	0	0 00%
				0	0.00%	0	0.00%
				0	0.00%	0	0.00%
				0	0.00%	0	0.00%
				0	0.00%	0	0.00%
1,782	1,776	1,618	592	3,156,202	19 96%	1,287	2 68%
				0	0.00%	0	0.00%
1,346	1,295	1,237	240	410,372	2.59%	879	1.83%
436	481	381	352	2,745,829	17.36%	409	0.85%
				0	0.00%	0	0.00%
				0	0.00%	0	0.00%
51,692	57,197	61,926	34,461	15,816,003	100%	48,036	100%

(Rp 000) /Scenario :

Current Plant

	1994	1995	1996	1997
LAND AND LAND IMPROVEMENT	449,842	449,842	449,842	451,342
WATER RESOURCES				
Building	73,509	73,509	93,362	94,102
Reservoir	1,641,913	1,641,913	1,895,296	1,895,296
Installation	2,542,763	2,542,763	2,542,763	2,572,413
Total Water Resources	4,258,185	4,258,185	4,531,421	4,561,811
PUMPS				
Building	5,588,652	5,588,652	5,929,114	5,929,114
Other Installation	46,736	46,736	46,736	46,736
Total Pumps	5,635,388	5,635,388	5,975,850	5,975,850
WATER PROCESSING				
Building	33,897	302,206	321,848	321,848
Reservoir				
Installation	375,996	110,822	110,822	110,822
Total Water Processing	409,893	413,028	432,670	432,670
TRANSMISSION & DISTRIBUTION				
Building	14,642,783	17,441,736	19,771,930	21,158,368
Reservoir	1,105,910	1,427,855	1,634,452	1,855,052
Installation	8 820,441	8 820,441	9,973,207	10,088,876
Total Transmission & Distribution	24,569,134	27,690,032	31,379,589	33,102,297
GENERAL PLANT				
Buildings	237,309	357,739	3,830,105	4,058,204
Tools & Equipment	97,889	97,889	1,253,514	168,498
Means of Transportation	409,376	505,675	585,706	910,064
Office Furniture	599,463	686,177	97,889	1,381,201
Office Equipment				
Other	189,040	189,040	189,040	189,040
Total General Plant	1,533,077	1,836,520	5,956,254	6,707,007
WASTE WATER PLANT				
Total Current Plant	36,855,519	40,282,995	48,725,626	51,230,977

(Rp 000) /Scenario :

Future Plant Additions (Write-Offs)

	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009
LAND AND LAND IMPROVEMENT												
WATER RESOURCES												
Building		526,000	1,060,000	1,067,000	1,065,000	1,065,000	1,056,000	1,048,000	1,041,000	1,035,000	661,000	744,000
Reservoir												
Installation	0	526,000	1,060,000	1,067,000	1,065,000	1,065,000	1,056,000	1,048,000	1,041,000	1,035,000	661,000	744,000
Total Water Resources												
PUMPS												
Building												
Other Installation	0	0	0	0	0	0	0	0	0	0	0	0
Total Pumps												
WATER PROCESSING												
Building												
Reservoir												
Installation	0											
Total Water Processing	0	0	0	0	0	0	0	0	0	0	0	0
TRANSMISSION & DISTRIBUTION												
Building												
Reservoir	2,951,000	6,066,000	8,265,000	7,352,000	12,040,000	16,923,000	12,477,000	8,128,000	16,896,000	8,782,000	9,203,000	18,455,000
Installation	2,951,000	6,066,000	8,265,000	7,352,000	12,040,000	16,923,000	12,477,000	8,128,000	16,896,000	8,782,000	9,203,000	18,455 000
Total Transmission & Distribution												
GENERAL PLANT												
Buildings												
Tools & Equipment												
Means of Transportation												
Office Furniture												
Office Equipment												
Other	0	0	0	0	0	0	0	0	0	0	0	0
Total General Plant												
WASTE WATER PLANT												
Total Future Plant Additions (Write-Offs)	2,951,000	6,592,000	9,325,000	8,419,000	13,105,000	17,988,000	13,533,000	9,176,000	17,937,000	9,817,000	9,864,000	19,199,000

2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
845,000	369,000	394,000	150,000	150,000	73,000	74,000	74,000	75,000	75,000	75,000	76,000	
845,000	369,000	394,000	150,000	150,000	73,000	74,000	74,000	75,000	75,000	75,000	76,000	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
19,510,000	15,484,000	15,558,000	15,025,000	15,088,000	15,155,000	6,757,000	6,824,000	6,889,000	6,956,000	7,022,000	7,088,000	7,088,000
19,510,000	15,484,000	15,558,000	15,025,000	15,088,000	15,155,000	6,757,000	6,824,000	6,889,000	6,956,000	7,022,000	7,088,000	7,088,000
0	0	0	0	0	0	0	0	0	0	0	0	0
20,355,000	15,853,000	15,952,000	15,175,000	15,238,000	15,228,000	6,831,000	6,898,000	6,964,000	7,031,000	7,097,000	7,164,000	7,088,000

(Rp 000) /Scenario :

Historical Plant Additions	1994	1995	1996	1997	Historical Plant (Write-Offs) 1994	1995	1996	1997
LAND AND LAND IMPROVEMENT								
WATER RESOURCES								
Building								
Reservoir								
Installation								
Total Water Resources	0	0	0	0	0	0	0	0
PUMPS								
Building								
Other Installation								
Total Pumps	0	0	0	0	0	0	0	0
WATER PROCESSING								
Building								
Reservoir								
Installation								
Total Water Processing	0	0	0	0	0	0	0	0
TRANSMISSION & DISTRIBUTION								
Building								
Reservoir								
Installation								
Total Transmission & Distribution	0	0	0	0	0	0	0	0
GENERAL PLANT								
Buildings								
Tools & Equipment								
Means of Transportation								
Office Furniture								
Office Equipment								
Other								
Total General Plant	0	0	0	0	0	0	0	0
WASTE WATER PLANT								
Total Historical Plant Additions (Write-Offs)	0	0	0	0	0	0	0	0

Accumulated Depreciation	
LAND AND LAND IMPROVEMENT	
WATER RESOURCES	
Building	
Reservoir	
Installation	
Total Water Resources	
PUMPS	
Building	
Other Installation	
Total Pumps	
WATER PROCESSING	
Building	
Reservoir	
Installation	
Total Water Processing	
TRANSMISSION & DISTRIBUTION	
Building	
Reservoir	
Installation	
Total Transmission & Distribution	
GENERAL PLANT	
Buildings	
Tools & Equipment	
Means of Transportation	
Office Furniture	
Office Equipment	
Other	
Total General Plant	
WASTE WATER PLANT	
Total Accumulated Depreciation	

(Rp 000) /Scenario :

Depreciation	Historical 1994	Historical 1995	Historical 1996	Estimate 1997
LAND AND LAND IMPROVEMENT				
WATER RESOURCES				
Building	2,494	2,494	3,465	3,463
Reservoir	81,278	81,008	91,404	119,692
Installation	97,369	90,402	84,131	50,466
Total Water Resources	181,141	173,904	179,000	173,621
PUMPS				
Building	1,116,685	840,319	815,849	525,760
Other Installation				
Total Pumps	1,116,685	840,319	815,849	525,760
WATER PROCESSING				
Building				
Reservoir				
Installation	67,635	66,874	38,474	28,855
Total Water Processing	67,635	66,874	38,474	28,855
TRANSMISSION & DISTRIBUTION				
Building				
Reservoir				
Installation	1,699,041	2,016,708	2,169,781	2,130,646
Total Transmission & Distribution	1,699,041	2,016,708	2,169,781	2,130,646
GENERAL PLANT				
Buildings	10,011	38,916	189,651	203,994
Tools & Equipment	9,942	7,457	5,593	4,194
Means of Transportation	42,217	58,620	71,814	145,279
Office Furniture	93,398	90,871	328,966	213,713
Office Equipment				
Other	35	35	35	35
Total General Plant	155,603	195,899	596,059	567,215
WASTE WATER PLANT				
Total Depreciation	3,220,105	3,293,704	3,799,163	3,426,096
Amortization Deferred Charges				

PDAM Balance Sheet Input /Scenario :

(Rp 000) /Scenario :

Assets	Historical 1994	Historical 1995	Historical 1996	Historical 1997
Current Assets				
Cash/Demand Deposits	1,753,937			
Receivables-Water	2,226,669	4,089,945	2,691,601	3,067,315
Receivables-Non-Water	353,998	13,559	11,633	11,415
Doubtful Accounts	(22,042)	(47,920)	(61,846)	(235,501)
Receivables-Other	574,856	1,046,513	229,160	1,109,651
Inventories	38,963	33,179	33,440	18,102
Advance Payments	1,389,868	2,326,693	2,922,699	2,238,867
Total Current Assets	6,316,249	7,461,969	5,826,687	6,209,849
Investments				
Fixed Assets				
Total Plant in Service =Formula(Current Plant+Plant Additions)		See PDAM Input Sheet		
Accumulated Depreciation		See PDAM Input Sheet		
Other Assets				
Construction Work in Progress	1,090,776	1,820,519		
Materials	558,113	673,408	681,332	698,187
Deferred Charges				
Prepaid Dividend	673,124	734,355	650,000	950,000
Prepaid Connection Fees				
Other	157,399	615,564	34,164	63,583
Intangible Assets				
Total Other Assets	2,479,412	3,843,846	1,565,496	1,711,770
Liabilities and Equity				
Current Liabilities				
Accounts Payable	1,265,557	1,252,145	515,810	1,032,090
Accrued Expense	610,976	145,133	213,896	196,524
Taxes Payable	65,277	142,362	318,768	118,071
Maturing Long Term Debt		See Debt Input Sheet		
Short Term Liabilities	0	0	0	
Total Current Liabilities	1,941,810	1,539,640	1,048,274	1,346,685
Long Term Debt		See Debt Input Sheet		
Other Liabilities				
Unearned Revenue	125,661			
Reserve Funds	3,248,165	3,287,466	5,958,061	4,026,096
Deferred New Connections	241,897	395,124	295,539	319,928
Payable to Project				
Repayment From Project				
Total Other Liabilities	3,615,923	3,682,590	6,253,600	4,346,024
Equity				
Government Capital	1,589,205	1,589,205	1,589,205	1,589,205
Variance in Reevaluating Fixed Assets	1,954,905	1,954,905	1,954,905	1,954,905
Donated Capital	2,937,670	3,422,346	4,193,803	8,997,017
Retained Earnings/Reserves-Prior Yr. Balance	1,657,244			
Total Equity	8,139,024	6,966,456	7,737,913	12,541,127
Less Profit Sharing (%)	20%			

Equity Additions

Sources & Uses	
Beginning Cash Balance-Sources & Uses	1,519,078
Bonus %-Sources & Uses	

Income Statement Sheet Input

	Historical 1994	Historical 1995	Historical 1996	Historical 1997
Income Tax	1,657,244	2,777,870	2,185,534	1,696,922

PDAM Debt Input Sheet /Scenario :

Domestic Loan (Rp 000)

Loan 1 Declining Installment

	DDI	1994	1995	1996	1997	1998	1999	2000	2001
Loan 1 Name									
Loan 1 O/S Balance		10,049,534	9,598,908	8,697,654	8,143,353		-		
Loan 1 Historical Interest Expenses		-		620,204	972,473				
Loan 1 Historical Principal Repayment			142,508	901,253	669,971				
Loan 1 O/S Balance IDG		2,216,209	3,162,727	3,353,597	3,353,597				
Loan 1 Total Principal	10,049,534								
Loan 1 Start Date	01-May-91								
Loan 1 Term	20								
Loan 1 Grace Period Term	5								
Loan 1 Interest Rate	8.97%								
Loan 1 Interest During Grace	3,469,238								
Loan 1 Administration Expense	-								

Loan 2 Declining Installment

	1994	1995	1996	1997	1998	1999	2000	2001
Loan 2 Name								
Loan 2 O/S Balance								
Loan 2 Historical Interest Expenses								
Loan 2 Historical Principal Repayment								
Loan 2 O/S Balance IDG								
Loan 2 Total Principal								
Loan 2 Start Date								
Loan 2 Term								
Loan 2 Grace Period Term								
Loan 2 Interest Rate								
Loan 2 Interest During Grace								
Loan 2 Administration Expense								

Loan 3 Declining Installment

	1994	1995	1996	1997	1998	1999	2000	2001
Loan 3 Name								
Loan 3 O/S Balance								
Loan 3 Historical Interest Expenses								
Loan 3 Historical Principal Repayment								
Loan 3 O/S Balance IDG								
Loan 3 Total Principal								
Loan 3 Start Date								
Loan 3 Term								
Loan 3 Grace Period Term								
Loan 3 Interest Rate								
Loan 3 Interest During Grace								
Loan 3 Administration Expense								

Loan 4 Declining Installment

	1994	1995	1996	1997	1998	1999	2000	2001
Loan 4 Name								
Loan 4 O/S Balance								
Loan 4 Historical Interest Expenses								
Loan 4 Historical Principal Repayment								
Loan 4 O/S Balance IDG								
Loan 4 Total Principal								
Loan 4 Start Date								
Loan 4 Term								
Loan 4 Grace Period Term								
Loan 4 Interest Rate								
Loan 4 Interest During Grace								
Loan 4 Administration Expense								

PDAM Debt Input Sheet /Scenario :

Domestic Loan (Rp 000)

Loan 5 Declining Installment

		1994	1995	1996	1997	1998	1999	2000	2001
Loan 5 Name									
Loan 5 O/S Balance									
Loan 5 Historical Interest Expenses									
Loan 5 Historical Principal Repayment									
Loan 5 O/S Balance IDG									
Loan 5 Total Principal									
Loan 5 Start Date									
Loan 5 Term									
Loan 5 Grace Period Term									
Loan 5 Interest Rate									
Loan 5 Interest During Grace									
Loan 5 Administration Expense									

Loan 6 Fixed Installment

		1994	1995	1996	1997	1998	1999	2000	2001
Loan 6 Name	IBRD								
Loan 6 O/S Balance		2,025,287	1,882,779	1,727,157	1,557,213				
Loan 6 Historical Interest Expenses		200,148	186,256	173,796	160,190				
Loan 6 Historical Principal Repayment		130,499	450,627	155,622	169,944				
Loan 6 O/S Balance IDG									
Loan 6 Total Principal	3,058,607								
Loan 6 Start Date	31-Jul-79								
Loan 6 Term	25								
Loan 6 Grace Period Term	5								
Loan 6 Interest Rate	8.43%								
Loan 6 Interest During Grace									
Loan 6 Administration Expense	300,000								

Loan 7 Fixed Installment

		1994	1995	1996	1997	1998	1999	2000	2001
Loan 7 Name									
Loan 7 O/S Balance									
Loan 7 Historical Interest Expenses									
Loan 7 Historical Principal Repayment									
Loan 7 O/S Balance IDG									
Loan 7 Total Principal									
Loan 7 Start Date									
Loan 7 Term									
Loan 7 Grace Period Term									
Loan 7 Interest Rate									
Loan 7 Interest During Grace									
Loan 7 Administration Expense									

Loan 8 Fixed Installment

		1994	1995	1996	1997	1998	1999	2000	2001
Loan 8 Name									
Loan 8 O/S Balance									
Loan 8 Historical Interest Expenses									
Loan 8 Historical Principal Repayment									
Loan 8 O/S Balance IDG									
Loan 8 Total Principal									
Loan 8 Start Date									
Loan 8 Term									
Loan 8 Grace Period Term									
Loan 8 Interest Rate									
Loan 8 Interest During Grace									
Loan 8 Administration Expense									

PDAM Debt Input Sheet /Scenario :

Domestic Loan (Rp 000)

Loan 9 Fixed Installment

Loan 9 Name	1994	1995	1996	1997	1998	1999	2000	2001
Loan 9 O/S Balance								
Loan 9 Historical Interest Expenses								
Loan 9 Historical Principal Repayment								
Loan 9 O/S Balance IDG								
Loan 9 Total Principal								
Loan 9 Start Date								
Loan 9 Term								
Loan 9 Grace Period Term								
Loan 9 Interest Rate								
Loan 9 Interest During Grace								
Loan 9 Administration Expense								

Loan 10 Fixed Installment

Loan 10 Name	1994	1995	1996	1997	1998	1999	2000	2001
Loan 10 O/S Balance								
Loan 10 Historical Interest Expenses								
Loan 10 Historical Principal Repayment								
Loan 10 O/S Balance IDG								
Loan 10 Principal								
Loan 10 Start Date								
Loan 10 Term								
Loan 10 Grace Period Term								
Loan 10 Interest Rate								
Loan 10 Interest During Grace								
Loan 10 Administration Expense								

Loan 11 Fixed Installment

Loan 11 Name	1994	1995	1996	1997	1998	1999	2000	2001
Loan 11 O/S Balance								
Loan 11 Historical Interest Expenses								
Loan 11 Historical Principal Repayment								
Loan 11 O/S Balance IDG								
Loan 11 Principal								
Loan 11 Start Date								
Loan 11 Term								
Loan 11 Grace Period Term								
Loan 11 Interest Rate								
Loan 11 Interest During Grace								
Loan 11 Administration Expense								

Offshore Loans (Rp 000)

Loan 12 Declining Installment

	1994	1995	1996	1997	1998	1999	2000	2001
Loan 12 Name								
Loan 12 O/S Balance								
Loan 12 Historical Interest Expenses								
Loan 12 Historical Principal Repayment								
Loan 12 O/S Balance IDG								
Loan 12 Principal								
Loan 12 Start Date								
Loan 12 Term								
Loan 12 Grace Period Term								
Loan 12 Interest Rate								
Loan 12 Interest During Grace								
Loan 12 Administration Expense								

Loan 13 Declining Installment

	1994	1995	1996	1997	1998	1999	2000	2001
Loan 13 Name								
Loan 13 O/S Balance								
Loan 13 Historical Interest Expenses								
Loan 13 Historical Principal Repayment								
Loan 13 O/S Balance IDG								
Loan 13 Principal								
Loan 13 Start Date								
Loan 13 Term								
Loan 13 Grace Period Term								
Loan 13 Interest Rate								
Loan 13 Interest During Grace								
Loan 13 Administration Expense								

Loan 14 Fixed Installment

	1994	1995	1996	1997	1998	1999	2000	2001
Loan 14 Name								
Loan 14 O/S Balance								
Loan 14 Historical Interest Expenses								
Loan 14 Historical Principal Repayment								
Loan 14 O/S Balance IDG								
Loan 14 Principal								
Loan 14 Start Date								
Loan 14 Term								
Loan 14 Grace Period Term								
Loan 14 Interest Rate								
Loan 14 Interest During Grace								
Loan 14 Administration Expense								

Loan 15 Fixed Installment

	1994	1995	1996	1997	1998	1999	2000	2001
Loan 15 Name								
Loan 15 O/S Balance								
Loan 15 Historical Interest Expenses								
Loan 15 Historical Principal Repayment								
Loan 15 O/S Balance IDG								
Loan 15 Principal								
Loan 15 Start Date								
Loan 15 Term								
Loan 15 Grace Period Term								
Loan 15 Interest Rate								
Loan 15 Interest During Grace								
Loan 15 Administration Expense								

*Project 1 Assumptions /Scenario : **

Input Specifications

PDAM	PDAM KODYA XYZ
Project	ABC CONCESSION
Scenario	*
First Year of Study	1998
First Year of Project Construction	1998

New Connections		Unit	Year
Forecasted	New Connections-Year 1		1998
Forecasted	New Connections-Year 2		1999
Forecasted	New Connections-Year 3		2000
Forecasted	New Connections-Year 4		2001
Forecasted	New Connections-Year 5	2,879	2002
Forecasted	New Connections-Year 6	2,957	2003
Forecasted	New Connections-Year 7	3,049	2004
Forecasted	New Connections-Year 8	3,127	2005
Forecasted	New Connections-Year 9	3,222	2006
Forecasted	New Connections-Year 10	3,343	2007
Forecasted	New Connections-Year 11	3,505	2008
Forecasted	New Connections-Year 12	3,751	2009
Forecasted	New Connections-Year 13	4,249	2010
Forecasted	New Connections-Year 14	504	2011
Forecasted	New Connections-Year 15	510	2012
Forecasted	New Connections-Year 16	-	2013
Forecasted	New Connections-Year 17	-	2014
Forecasted	New Connections-Year 18	-	2015
Forecasted	New Connections-Year 19	-	2016
Forecasted	New Connections-Year 20	-	2017
Forecasted	New Connections-Year 21	-	2018
Forecasted	New Connections-Year 22	-	2019
Forecasted	New Connections-Year 23	-	2020
Forecasted	New Connections-Year 24	-	2021
Forecasted	New Connections-Year 25	-	2022

Water Losses		In Percentage	Year
Forecasted	Water Losses-Year 1	44.00%	1998
Forecasted	Water Losses-Year 2	42.00%	1999
Forecasted	Water Losses-Year 3	40.00%	2000
Forecasted	Water Losses-Year 4	38.00%	2001
Forecasted	Water Losses-Year 5	36.00%	2002
Forecasted	Water Losses-Year 6	33.00%	2003
Forecasted	Water Losses-Year 7	32.00%	2004
Forecasted	Water Losses-Year 8	31.00%	2005
Forecasted	Water Losses-Year 9	30.00%	2006
Forecasted	Water Losses-Year 10	29.00%	2007
Forecasted	Water Losses-Year 11	28.00%	2008
Forecasted	Water Losses-Year 12	27.00%	2009
Forecasted	Water Losses-Year 13	26.00%	2010
Forecasted	Water Losses-Year 14	25.00%	2011
Forecasted	Water Losses-Year 15	25.00%	2012
Forecasted	Water Losses-Year 16	25.00%	2013
Forecasted	Water Losses-Year 17	25.00%	2014
Forecasted	Water Losses-Year 18	25.00%	2015
Forecasted	Water Losses-Year 19	25.00%	2016
Forecasted	Water Losses-Year 20	25.00%	2017
Forecasted	Water Losses-Year 21	25.00%	2018
Forecasted	Water Losses-Year 22	25.00%	2019
Forecasted	Water Losses-Year 23	25.00%	2020
Forecasted	Water Losses-Year 24	25.00%	2021
Forecasted	Water Losses-Year 25	25.00%	2022

Inflation Rate		In Percentage	Year	CPI
Forecasted	Inflation Rate - Year 1	0.00%	1998	100
Forecasted	Inflation Rate - Year 2	0.00%	1999	100
Forecasted	Inflation Rate - Year 3	0.00%	2000	100
Forecasted	Inflation Rate - Year 4	0.00%	2001	100
Forecasted	Inflation Rate - Year 5	0.00%	2002	100
Forecasted	Inflation Rate - Year 6	0.00%	2003	100
Forecasted	Inflation Rate - Year 7	0.00%	2004	100
Forecasted	Inflation Rate - Year 8	0.00%	2005	100
Forecasted	Inflation Rate - Year 9	0.00%	2006	100
Forecasted	Inflation Rate - Year 10	0.00%	2007	100
Forecasted	Inflation Rate - Year 11	0.00%	2008	100
Forecasted	Inflation Rate - Year 12	0.00%	2009	100
Forecasted	Inflation Rate - Year 13	0.00%	2010	100
Forecasted	Inflation Rate - Year 14	0.00%	2011	100
Forecasted	Inflation Rate - Year 15	0.00%	2012	100
Forecasted	Inflation Rate - Year 16	0.00%	2013	100
Forecasted	Inflation Rate - Year 17	0.00%	2014	100
Forecasted	Inflation Rate - Year 18	0.00%	2015	100
Forecasted	Inflation Rate - Year 19	0.00%	2016	100
Forecasted	Inflation Rate - Year 20	0.00%	2017	100
Forecasted	Inflation Rate - Year 21	0.00%	2018	100
Forecasted	Inflation Rate - Year 22	0.00%	2019	100
Forecasted	Inflation Rate - Year 23	0.00%	2020	100
Forecasted	Inflation Rate - Year 24	0.00%	2021	100
Forecasted	Inflation Rate - Year 25	0.00%	2022	100

Tariff Escalation		In Percentage	Year
Forecasted	Tariff Escalation -Year 1	35.00%	1998
Forecasted	Tariff Escalation -Year 2	0.00%	1999
Forecasted	Tariff Escalation -Year 3	30.00%	2000
Forecasted	Tariff Escalation -Year 4	0.00%	2001
Forecasted	Tariff Escalation -Year 5	25.00%	2002
Forecasted	Tariff Escalation -Year 6	0.00%	2003
Forecasted	Tariff Escalation -Year 7	0.00%	2004
Forecasted	Tariff Escalation -Year 8	0.00%	2005
Forecasted	Tariff Escalation -Year 9	0.00%	2006
Forecasted	Tariff Escalation -Year 10	0.00%	2007
Forecasted	Tariff Escalation -Year 11	0.00%	2008
Forecasted	Tariff Escalation -Year 12	0.00%	2009
Forecasted	Tariff Escalation -Year 13	0.00%	2010
Forecasted	Tariff Escalation -Year 14	0.00%	2011
Forecasted	Tariff Escalation -Year 15	0.00%	2012
Forecasted	Tariff Escalation -Year 16	0.00%	2013
Forecasted	Tariff Escalation -Year 17	0.00%	2014
Forecasted	Tariff Escalation -Year 18	0.00%	2015
Forecasted	Tariff Escalation -Year 19	0.00%	2016
Forecasted	Tariff Escalation -Year 20	0.00%	2017
Forecasted	Tariff Escalation -Year 21	0.00%	2018
Forecasted	Tariff Escalation -Year 22	0.00%	2019
Forecasted	Tariff Escalation -Year 23	0.00%	2020
Forecasted	Tariff Escalation -Year 24	0.00%	2021
Forecasted	Tariff Escalation -Year 25	0.00%	2022

Consumption Growth		In Percentage	Year
Forecasted	Consumption Growth - Year 1		1998
Forecasted	Consumption Growth - Year 2		1999
Forecasted	Consumption Growth - Year 3		2000
Forecasted	Consumption Growth - Year 4		2001
Forecasted	Consumption Growth - Year 5	2.50%	2002
Forecasted	Consumption Growth - Year 6	2.00%	2003
Forecasted	Consumption Growth - Year 7	1.50%	2004
Forecasted	Consumption Growth - Year 8	1.00%	2005
Forecasted	Consumption Growth - Year 9	0.50%	2006
Forecasted	Consumption Growth - Year 10	0.00%	2007
Forecasted	Consumption Growth - Year 11	0.00%	2008
Forecasted	Consumption Growth - Year 12	0.00%	2009
Forecasted	Consumption Growth - Year 13	0.00%	2010
Forecasted	Consumption Growth - Year 14	0.00%	2011
Forecasted	Consumption Growth - Year 15	0.00%	2012
Forecasted	Consumption Growth - Year 16	0.00%	2013
Forecasted	Consumption Growth - Year 17	0.00%	2014
Forecasted	Consumption Growth - Year 18	0.00%	2015
Forecasted	Consumption Growth - Year 19	0.00%	2016
Forecasted	Consumption Growth - Year 20	0.00%	2017
Forecasted	Consumption Growth - Year 21	0.00%	2018
Forecasted	Consumption Growth - Year 22	0.00%	2019
Forecasted	Consumption Growth - Year 23	0.00%	2020
Forecasted	Consumption Growth - Year 24	0.00%	2021
Forecasted	Consumption Growth - Year 25	0.00%	2022

Water Treatment Plant Capacity	(000 L/S)	Year
Forecasted - Year 1		1998
Forecasted - Year 2		1999
Forecasted - Year 3		2000
Forecasted - Year 4		2001
Forecasted - Year 5		2002
Forecasted - Year 6		2003
Forecasted - Year 7		2004
Forecasted - Year 8		2005
Forecasted - Year 9		2006
Forecasted - Year 10		2007
Forecasted - Year 11		2008
Forecasted - Year 12		2009
Forecasted - Year 13		2010
Forecasted - Year 14		2011
Forecasted - Year 15		2012
Forecasted - Year 16		2013
Forecasted - Year 17		2014
Forecasted - Year 18		2015
Forecasted - Year 19		2016
Forecasted - Year 20		2017
Forecasted - Year 21		2018
Forecasted - Year 22		2019
Forecasted - Year 23		2020
Forecasted - Year 24		2021
Forecasted - Year 25		2022

Project 1 Input Sheet /Scenario : *

Salaries	Historical 1998 Total	Historical 1999 Total	Historical 2000 Total	Historical 2001 Total	Projection 2002 Additions	Projection 2003 Additions	Projection 2004 Additions	Projection 2005 Additions	Projection 2006 Additions	Projection 2007 Additions	Projection 2008 Additions	Projection 2009 Additions
Net Employee (Peaople/Person)												
Water Source	-	-	-	-	-	-	-	-	-	-	-	-
Water Treatment	-	-	-	-	-	-	-	-	-	-	-	-
Transmission & Dist.	-	-	-	-	-	-	-	-	-	-	-	-
General & Admin.	97	97	97	97	15	-	-	-	-	-	-	-
Average Salary and Fringes* (Rp 000)												
Water Source	-	-	-	-								
Water Treatment	-	-	-	-								
Transmission & Dist.	-	-	-	-								
General & Admin.	26,278	26,278	26,278	26,278								

(Rp 000) /Scenario : *

Operations & Maintenance	Historical 1998	Historical 1999	Historical 2000	Estimate 2001
WATER SOURCE				
Operation Expenses				
Personnel	-	-	-	-
Fuel	-	-	-	-
Power	-	-	-	-
Other	-	-	-	-
Maintenance Expenses	-	-	-	-
Raw Water Expense	422,268	443,400	443,400	443,400
PDAM Water Expense	-	-	-	-
Total Water Source Expense	422,268	443,400	443,400	443,400
WATER TREATMENT & STORAGE				
Operation				
Personnel	-	-	-	-
Chemicals	828,629	923,237	923,237	923,237
Fuels	45,045	45,045	45,045	45,045
Power	-	-	-	-
Other	112,606	112,606	112,606	112,606
Maintenance	633,799	360,826	360,826	360,826
Total Treat. & Storage Expense	1,620,079	1,441,714	1,441,714	1,441,714
TRANSMISSION & DISTRIBUTION				
Operation				
Personnel	-	-	-	-
Fuels	-	-	-	-
Power	-	-	-	-
Other	1,258,000	1,336,000	1,357,000	1,452,000
Maintenance	-	-	-	-
Total Trans.& Dist. Expense	1,258,000	1,336,000	1,357,000	1,452,000
GENERAL & ADMINISTRATIVE				
Operation				
Personnel	2,549,005	2,549,005	2,549,005	2,549,005
Office Expense	228,904	228,904	228,904	228,904
Consumer Services	-	-	-	-
Research & Development	-	-	-	-
General Maintenance	84,521	84,521	84,521	84,521
Cost for Receivable Set Aside	-	-	-	-
Miscellaneous	1,854,241	654,241	654,241	654,241
Total General & Admin. Expense	4,716,671	3,516,671	3,516,671	3,516,671
Non-Operating Expense	-	-	2,975,000	2,975,000
Non-Operating Income	-	-	-	-
Total Operations & Maintenance Exp	8,017,019	6,737,786	9,733,786	9,828,786
RENTAL	100,000	100,000	150,000	150,000
Interest Expense	See Project Finance Assumptions			
Depreciation Expense	See This Sheet (Depreciation Table)			

Projection 2010	Projection 2011	Projection 2012	Projection 2013	Projection 2014	Projection 2015	Projection 2016	Projection 2017	Projection 2018	Projection 2019	Projection 2020	Projection 2021	Projection 2022
Additions	Additions	Additions	Additions	Additions	Additions	Additions	Additions	Additions	Additions	Additions	Additions	Additions

*(Rp 000) /Scenario : **

Class	Rate Class	Water Sales Income (Rp 000) 1998	1999	2000	2001	Total Consumption (m3) 1998	1999	2000	2001	Number of Connections 1998	1999	2000
Tariff Class 1	CLASS I Sub Total	0	0	0	0	0	0	0	0	0	0	0
Tariff Class 1	Public Tap											
Tariff Class 1	Public Toilet											
Tariff Class 1	Water Tank											
Tariff Class 1	Masque/Church/Vihara											
Tariff Class 2	CLASS II Sub Total	9,009,072	9,574,552	13,606,329	14,791,469	10,046,389	10,676,979	11,671,524	12,688,138	25,964	27,594	30,164
Tariff Class 2	Very Small House	7,846,809	8,339,336	11,850,973	12,883,217	7,966,627	8,466,675	9,255,333	10,061,492	25,364	26,956	29,467
Tariff Class 2	Orphanage											
Tariff Class 2	Social Foundation	1,162,263	1,235,216	1,755,356	1,908,252	2,079,762	2,210,304	2,416,191	2,626,646	600	638	697
Tariff Class 2	Public School											
Tariff Class 2	Public Hospital											
Tariff Class 2	Gov. & Army - Kec & Kel											
Tariff Class 3	CLASS III Sub Total	1,001,363	1,064,217	1,512,351	1,644,080	315,407	335,205	366,429	398,346	758	806	881
Tariff Class 3	Medium Size House											
Tariff Class 3	Small Commercial	1,001,363	1,064,217	1,512,351	1,644,080	315,407	335,205	366,429	398,346	758	806	881
Tariff Class 3	Home Industry											
Tariff Class 3	Gov. & Army - TK II											
Tariff Class 4	CLASS IV Sub Total	3,103,198	3,297,979	4,686,735	5,094,961	638,874	678,974	742,219	806,868	1,046	1,112	1,216
Tariff Class 4	Luxury House											
Tariff Class 4	Large Commer & Manufa	2,775,919	2,950,158	4,192,449	4,557,621	552,654	587,342	642,052	697,976	993	1,058	1,154
Tariff Class 4	Gov. & Army - TK I	327,279	347,821	494,286	537,340	86,220	91,632	100,167	108,892	53	58	62
Tariff Class 4	Embassy & Consulate											
Tariff Class 5	Special Class											
Total		13,113,633	13,936,748	19,805,415	21,530,510	11,000,670	11,691,158	12,780,172	13,893,352	27,768	29,512	32,261

Other Water Income

Other Water Income Year 1	
Other Water Income Year 2	
Other Water Income Year 3	
Other Water Income Year 4	

Other Expense (Non Water Income)

Other Income Year 1	
Other Income Year 2	
Other Income Year 3	
Other Income Year 4	

New Conections Income

Year 1	
Year 2	
Year 3	
Year 4	

New Conections Charges

Year 1	300
Year 2	300
Year 3	300
Year 4	300
Year 5	300
Year 6	300
Year 7	300
Year 8	300
Year 9	300
Year 10	300
Year 11	300
Year 12	300
Year 13	300
Year 14	300
Year 15	300
Year 16	300
Year 17	300
Year 18	300
Year 19	300
Year 20	300
Year 21	300
Year 22	300
Year 23	300
Year 24	300
Year 25	300

Num	Consumption [illegible]		Connections [illegible]	
[illegible]	Total	Percentage	Total	Percentage
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

Project 1 Cash Flow Inputs

	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009
Bulk Purchase from PDAM (000 m3)	-3,253,000	-3,012,000	-3,884,000	-4,601,000	-20,000	-774,000	-1,293,000	0	0	0	0	0
Bulk Purchase from PDAM (Rp/m3)	520	450	450	450	450	450	450	0	0	0	0	0
Bulk Sales to PDAM (000 m3)	0	0	0	0	0	0	0	0	0	860,000	1,456,000	3,228,000
Bulk Sales to PDAM (Rp/m3)	0	0	0	0	0	0	0	0	0	1,157	977	0

Project 1 Capital Costs Inputs

	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009
PROPOSED PROJECT EXPENDITURES												
Reservoirs and Dams	-	1,036,000	2,072,000	2,072,000	2,072,000	2,072,000	2,072,000	2,072,000	2,072,000	2,072,000	1,331,000	1,499,000
Treatment Plants and Wells	-	203,000	203,000	203,000	6,110,000	11,963,000	6,057,000	11,813,000	11,183,000		8,860,000	8,860,000
Transmission & Distribution Mains	3,446,000	5,510,000	1,703,000	2,772,000	9,901,000	9,445,000	4,759,000	4,658,000	5,189,000	4,468,000	4,761,000	2,419,000
Electrical and Mechanical Equipment	4,699,000	490,000										
Service Connections	2,687,000	2,220,000	5,557,000	4,635,000	6,924,000	5,601,000	6,208,000	5,625,000	7,057,000	7,506,000	7,978,000	8,513,000
Buildings	-	-										
Tools & Equipment	1,819,000	3,810,000	724,000	312,000								
Vehicles	710,000	142,000	568,000		284,000	284,000	284,000	284,000	284,000	284,000	284,000	284,000
Office Furniture												
Office Equipment	142,000	264,000	264,000									
Preoperating Expenses												
Engineering and Project Administration												
Total Proposed Project Expenditures	13,503,000	13,675,000	11,091,000	9,994,000	25,291,000	29,565,000	19,380,000	25,452,000	25,785,000	14,330,000	23,214,000	21,575,000

2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
5,391,000	5,543,000	6,214,000	6,214,000	6,214,000	6,214,000	6,214,000	6,214,000	6,214,000	6,214,000	6,214,000	6,214,000	6,214,000
0	0	0	0	0	0	0	0	0	0	0	0	0

2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
1,701,000	745,000	797,000	303,000	303,000	148,000	148,000	148,000	148,000	148,000	148,000	148,000	-
	8,860,000	8,860,000										
322,000	2,308,000	4,710,000	3,640,000	3,640,000	3,640,000	3,640,000	3,640,000	3,640,000	3,640,000	3,640,000	3,640,000	1,778,000
9,124,000	4,310,000	2,017,000	2,928,000	2,993,000	3,067,000	3,064,000	3,061,000	3,059,000	3,056,000	3,053,000	3,051,000	4,990,000
284,000	284,000	284,000	284,000	284,000	284,000	264,000	284,000	284,000	284,000	284,000	284,000	264,000
11,431,000	16,507,000	16,668,000	7,153,000	7,220,000	7,139,000	7,136,000	7,133,000	7,131,000	7,128,000	7,125,000	7,123,000	7,052,000

Project 1 Balance Sheet Input /Scenario : *

*(Rp 000) /Scenario : **

Assets	Historical 1998	Historical 1999	Historical 2000	Historical 2001
Current Assets				
Cash/Demand Deposits				
Receivables-Water	2,226,076	3,000,519	4,311,156	4,717,892
Doubtful Accounts	(111,304)	(150,026)	(215,558)	(235,895)
Receivables to PDAM	800,000	900,000	1,000,000	1,200,000
Repayment from PDAM	(600,000)	(700,000)	(800,000)	(1,000,000)
Inventories	359,094	392,364	411,963	432,582
Total Current Assets	2,673 866	3,442,857	4,707,561	5,114,579
Investments				
Fixed Assets				
Total Plant in Service =Formula(Current Plant+Plant Additions)		See Project 1 Input Sheet		
Accumulated Depreciation		See Project 1 Input Sheet		
Other Assets				
Construction Work in Progress				
Materials	538,252	569,802	598,292	628,206
Deferred Charges		See Project Total Plant		
Accumulated Amortization		See Project Total Plant		
Prepaid Connection Fees				
Prepaid Dividend				
Other				
Total Other Assets	538,252	569 802	598,292	628 206
Liabilities and Equity				
Current Liabilities				
Accounts Payable	545,817	588,212	617,623	647,504
Accrued Expense	401,797	422,748	443,886	466,080
Taxes Payable				
Royalty Payable				
Maturing Long Term Debt		See Project Finance Assumptions		
Short Term Liabilities	256,241	362,458	425,631	541,250
Total Current Liabilities	1,203,855	1,373,418	1,487,140	1,654,834
Long Term Debt		See Project Finance Assumptions		
Other Liabilities				
Unearned Revenue				
Reserve Funds				
Deferred New Connections	143,798	150,925	249,472	280,508
Miscellaneous Liabilities				
Stock of Undefined Status				
Total Other Liabilities	143,798	150,925	249,472	280,508
Equity				
Paid In Capital				
Variance in Reevaluating Fixed Assets				
Donated Capital				
Retained Earnings/Reserves-Prior Yr. Balance				
Total Equity	0	0	0	0
Less Profit Sharing (%)	30%			
Less: Royalty (%)	20%			
Beginning Cash Balance-Sources & Uses				

Income Statement Sheet Input

	Historical 1998	Historical 1999	Historical 2000	Historical 2001
Income Tax				

Project Finance Assumptions /Scenario :

	Project 1	Project 2
Type of Financing Project	Private	Private
IDC Interest Rate Project (%)		
Government Equity Participation (%)		
Government Equity Term (9999)		
Government Equity Rate of Return (%)		
Private Equity Participation (%)	30 00%	30 00%
Private Equity Rate of Return (%)	30 00%	30 00%
PUBLIC FINANCING PLAN		
Public Bond Participation (%)		
Bond Issuance Date		
Bond Issuance Costs (%)		
Discount Percentage (%)		
Bond Term		
Bond Interest Rate (%)		
PRIVATE FINANCING PLAN		
Loan 1		
Loan 1 Term	11 00	
Loan 1 Interest Rate	20 50%	
Loan 2		
Loan 2 Term	11 00	
Loan 2 Interest Rate	20 50%	
Loan 3		
Loan 3 Term		
Loan 3 Interest Rate		
Loan 4		
Loan 4 Term		
Loan 4 Interest Rate		

	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009
PROJECT 1												
Loan 1	8,187,000	8,363,400	6,813,000	5,996,400	15,174,600	17,739,000	11,628,000	15,271,200	15,471,000			
Loan 2												
Loan 3												
Loan 4												

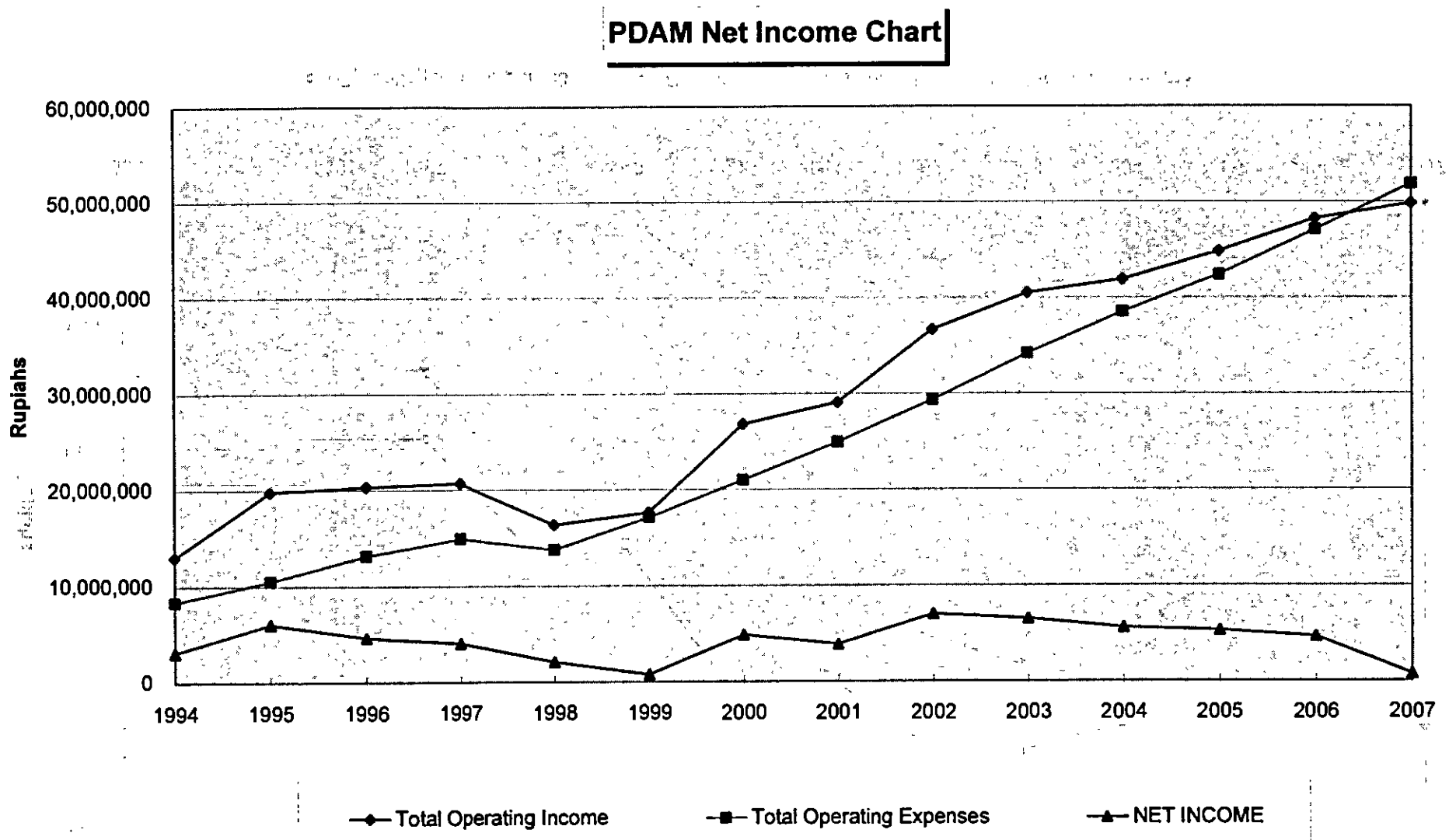
	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011
PROJECT 2												
Loan 1	8,187,000	8,363,400	6,813,000	5,996,400	15,174,600	17,739,000	11,628,000	15,271,200	15,471,000			
Loan 2												
Loan 3												
Loan 4												

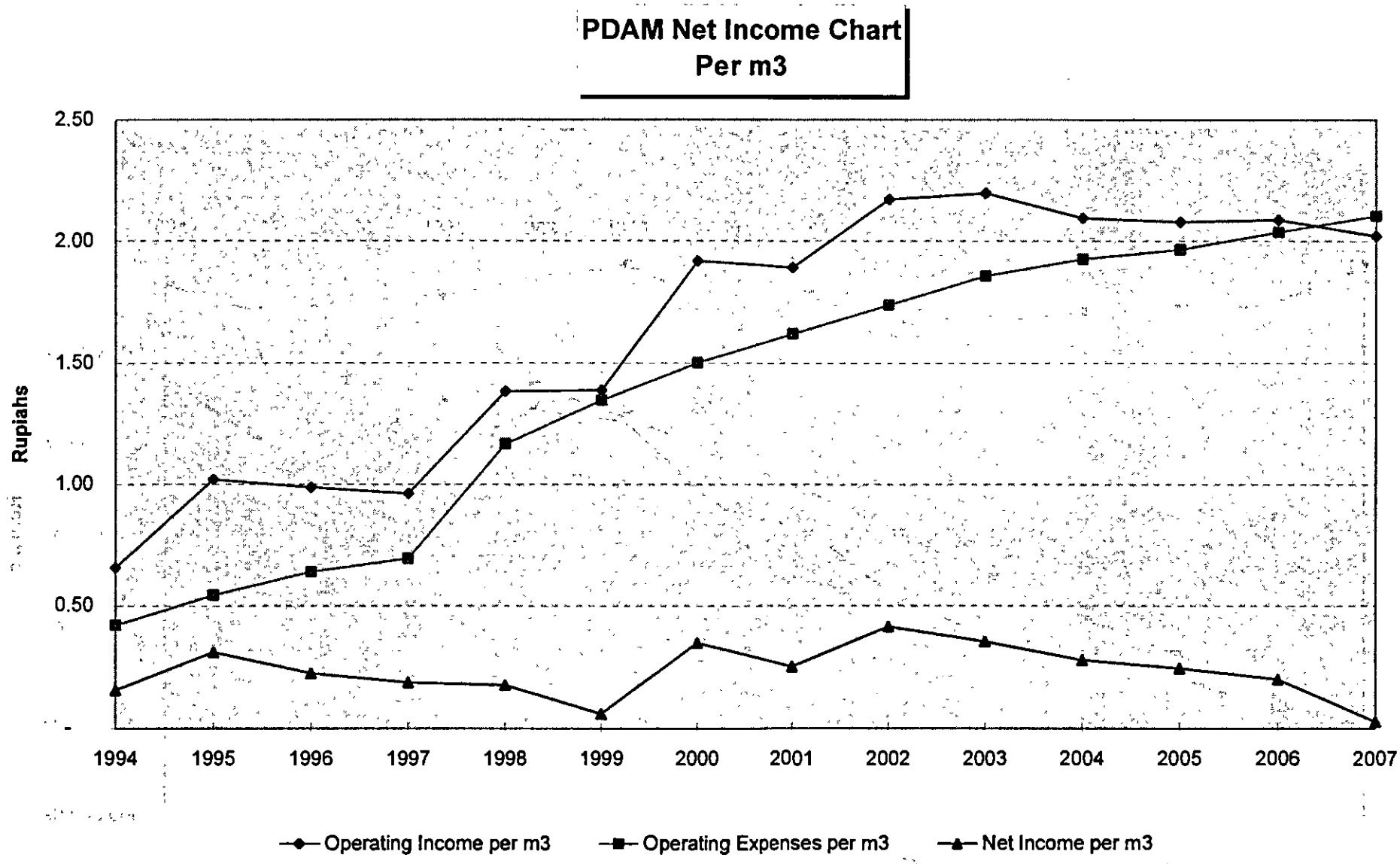
2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024

2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026

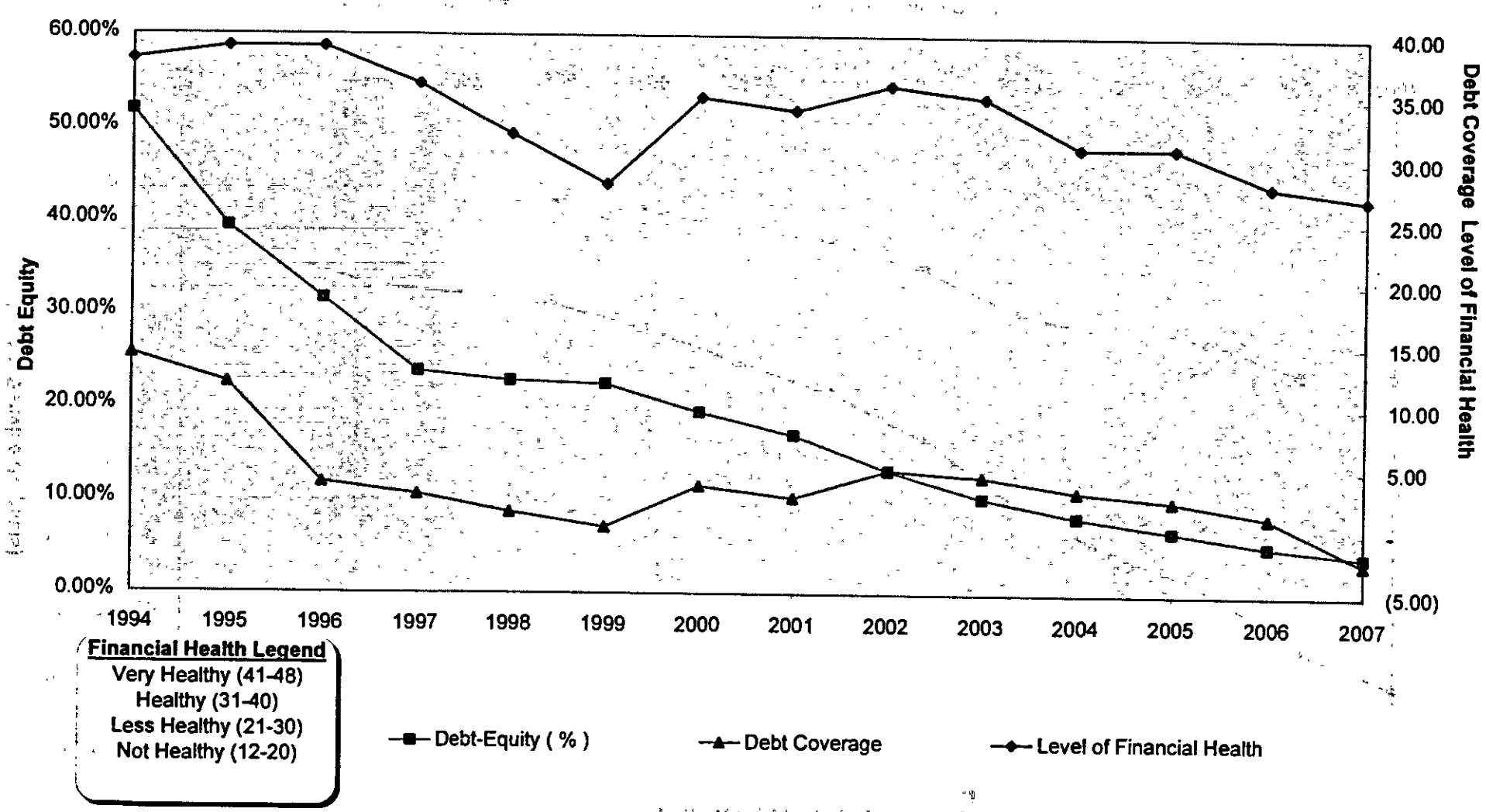
2025	2026

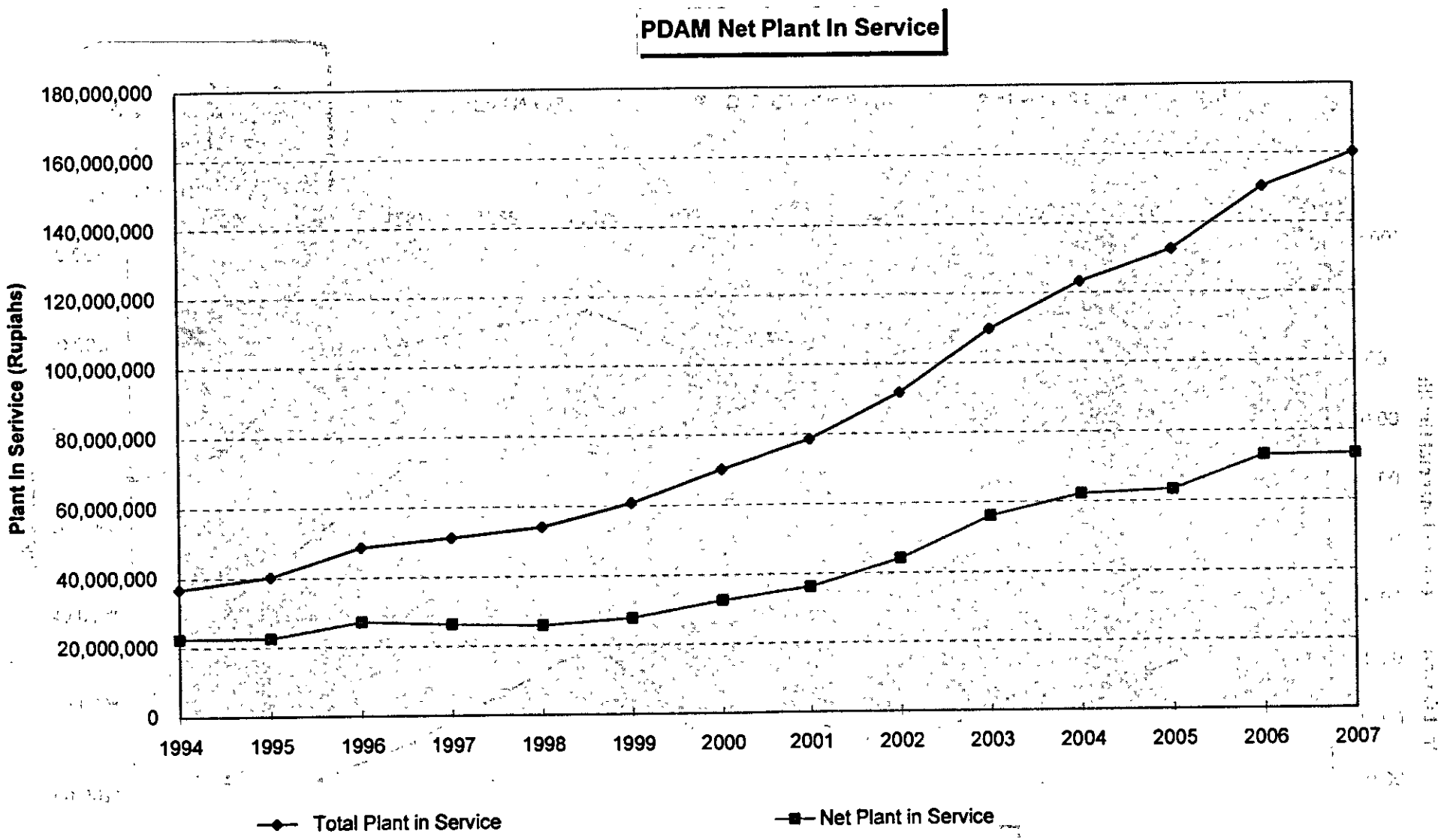
2027	2028


PDAM Net Income Chart
Rupiahs
60,000,000
50,000,000
40,000,000
30,000,000
20,000,000
10,000,000
0
1994
1995
1996
1997
1998
1999
2000
2001
2002
2003
2004
2005
2006
2007
Total Operating Income
Total Operating Expenses
NET INCOME

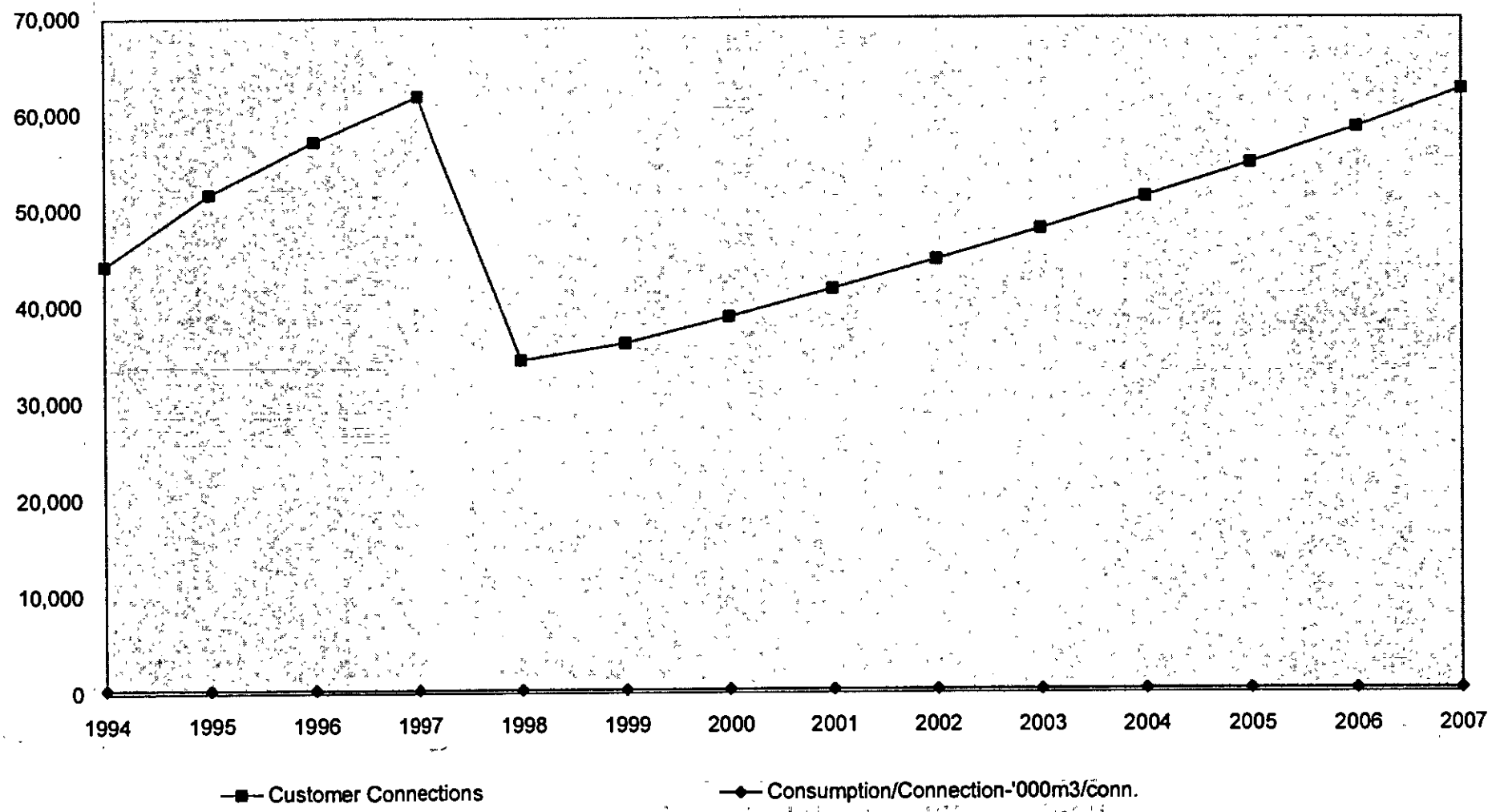

PDAM Net Income Chart
Per m3
Rupiahs
2.50
2.00
1.50
1.00
0.50
-
1994
1995
1996
1997
1998
1999
2000
2001
2002
2003
2004
2005
2006
2007
Operating Income per m3
Operating Expenses per m3
Net Income per m3

PDAM Financial Health Indicators

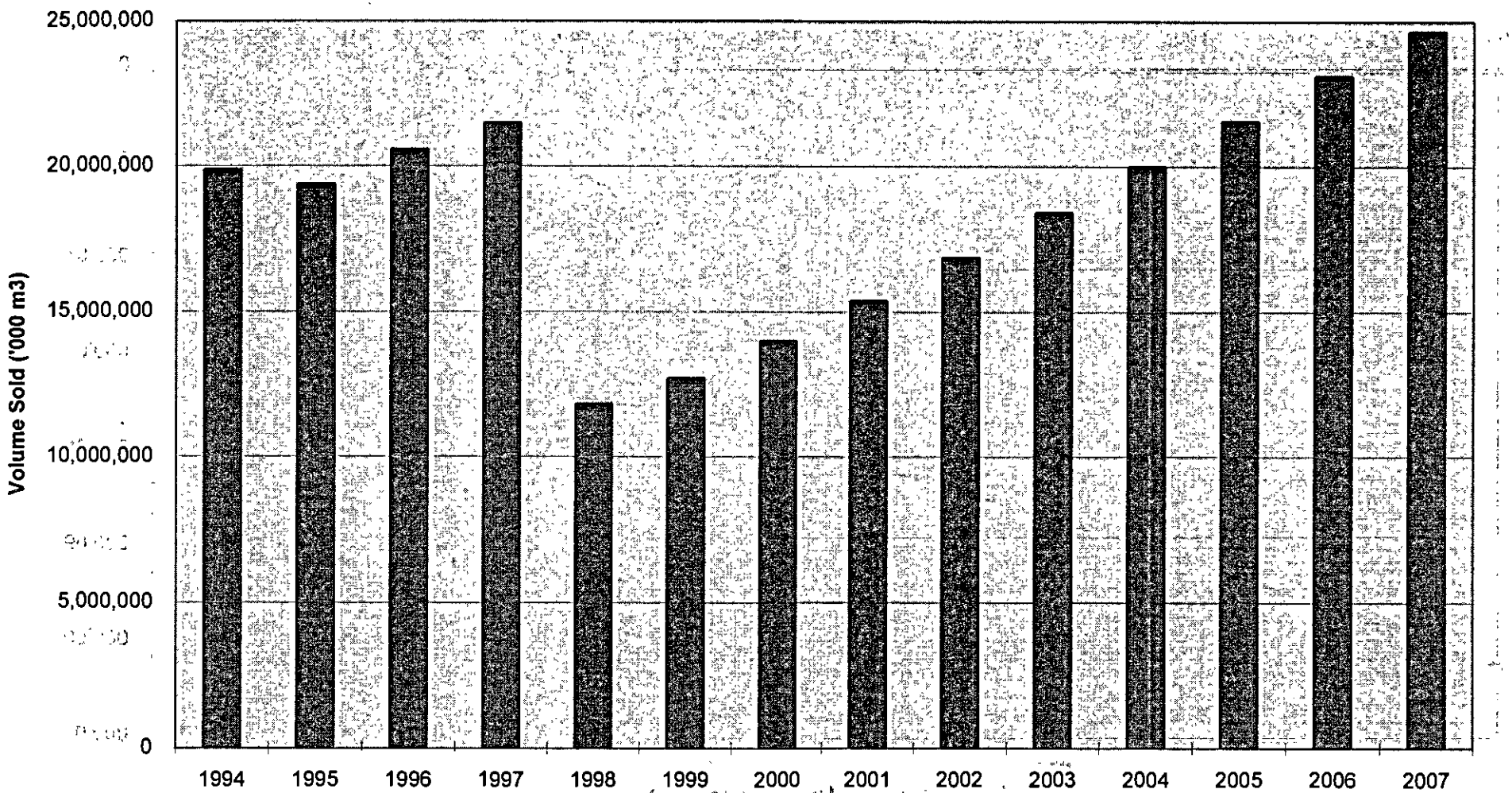


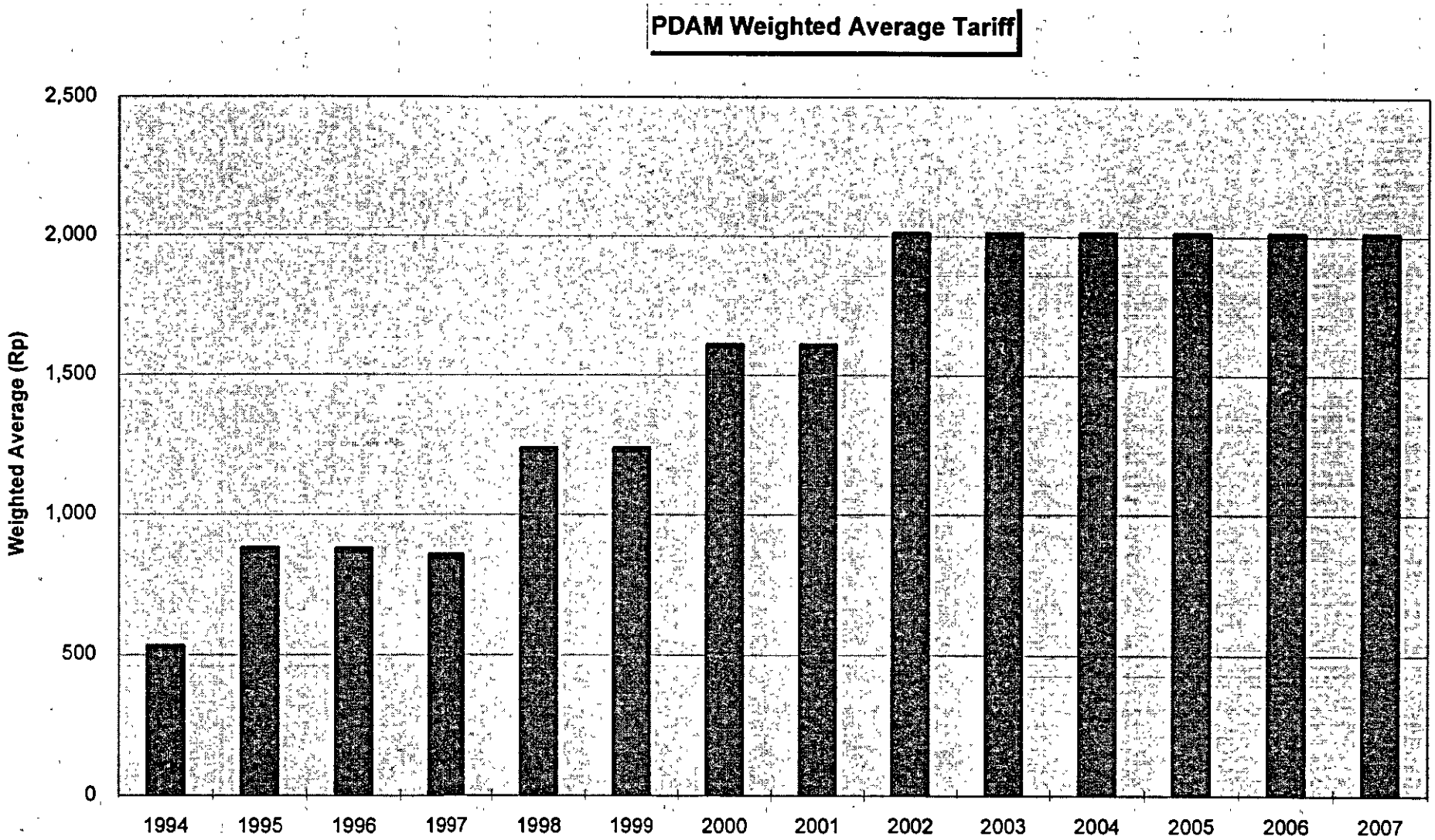

PDAM Net Plant In Service
Plant In Serivice (Rupiahs)
180,000,000
160,000,000
140,000,000
120,000,000
100,000,000
80,000,000
60,000,000
40,000,000
20,000,000
0
1994
1995
1996
1997
1998
1999
2000
2001
2002
2003
2004
2005
2006
2007
Total Plant in Service
Net Plant in Service

PDAM Connections & Consumption Per Connection



PDAM Sales (By Volume '000 m3)




PDAM Weighted Average Tariff
Weighted Average (Rp)
2,500
2,000
1,500
1,000
500
0
1994
1995
1996
1997
1998
1999
2000
2001
2002
2003
2004
2005
2006
2007

PDAM KODYA XYZ
ABC CONCESSION
PDAM Balance Sheet
(Rp 000) /Scenario :

	Historical 1994	Historical 1995	Historical 1996	Budget 1997	Projected 1998	Projected 1999	Projected 2000	Projected 2001	Projected 2002	Projected 2003	Projected 2004	Projected 2005	Projected 2006	Projected 2007
Assets														
Current Assets														
Cash/Demand Deposits	1,753,937	4,332,129	10,679,873	17,347,702	15,589,161	10,256,404	5,229,661	1,233,972	(4,200,663)	(14,151,624)	(20,041,231)	(21,584,577)	(31,684,315)	(37,284,841)
Receivables-Water	2,226,669	4,089,945	2,691,601	3,067,315	2,721,409	2,848,268	4,328,950	4,700,465	5,959,432	6,586,337	6,807,385	7,291,841	7,651,938	8,271,413
Receivables-Non-Water	353,998	13,559	11,633	11,415	0	85,900	136,250	144,400	151,300	159,200	168,400	176,300	185,850	197,900
Doubtful Accounts	(22,042)	(47,920)	(61,846)	(235,501)	(163,285)	(170,896)	(259,737)	(282,028)	(357,566)	(395,160)	(408,443)	(437,510)	(471,116)	(496,265)
Receivables-Other	574,858	1,046,513	229,160	1,109,651	1,165,133	1,223,390	1,284,560	1,348,788	1,416,227	1,487,038	1,561,390	1,639,460	1,721,433	1,807,504
Inventories	36,963	33,179	33,440	18,102	36,204	72,408	144,816	289,632	347,558	417,070	500,484	500,484	600,581	720,697
Advance Payments	1,389,868	2,326,693	2,922,699	2,238,667	2,294,839	2,352,210	2,411,015	2,471,291	2,533,073	2,596,400	2,661,310	2,727,842	2,796,038	2,865,939
Total Current Assets	6,316,249	11,794,098	16,506,560	23,557,551	21,643,462	16,667,684	13,277,535	9,906,519	5,849,361	(3,300,759)	(8,750,705)	(9,686,160)	(18,999,591)	(23,927,672)
Investments	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Fixed Assets														
Total Plant in Service	36,855,519	40,282,995	48,725,626	51,230,977	54,181,977	60,773,977	70,098,977	78,517,977	91,622,977	109,610,977	123,143,977	132,319,977	150,256,977	160,073,977
Accumulated Depreciation	14,438,009	17,731,713	21,530,876	24,956,972	28,383,068	33,038,971	37,508,984	42,325,804	47,501,543	53,540,562	60,883,269	68,976,126	77,322,374	86,782,504
Net Plant in Service	22,417,510	22,551,282	27,194,750	26,274,005	25,798,909	27,735,005	32,589,993	36,192,172	44,121,434	56,070,415	62,260,707	63,343,851	72,934,603	73,291,473
Other Assets														
Construction Work in Progress	1,090,776	1,820,519	0	0	0	0	0	0	0	0	0	0	0	0
Materials	558,113	673,408	661,332	698,187	705,169	712,221	719,343	726,537	733,802	741,140	748,551	756,037	763,597	771,233
Deferred Charges	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Prepaid Dividend	673,124	734,355	850,000	950,000	959,500	969,095	978,786	988,574	998,460	1,008,444	1,018,529	1,028,714	1,039,001	1,049 391
Prepaid Connection Fees	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Other	157,399	615,564	34,164	63,583	64,219	64,861	65,509	66,164	66,826	67,494	68,169	68,851	69,539	70,235
Intangible Assets	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Other Assets	2,479,412	3,843,846	1,565,496	1,711,770	1,728,888	1,746,177	1,763,638	1,781,275	1,799,087	1,817,078	1,835,249	1,853,602	1,872,138	1,890,859
TOTAL ASSETS	31,213,171	38,189 226	45,266,806	51,543,325	49,171,259	48,148 866	47,631,167	47,879,966	51,769,883	54,586,734	55,345,251	55,511,292	55,807,150	51,254,661
Liabilities and Equity														
Current Liabilities														
Accounts Payable	1,265,557	1,252,145	515,610	1,032,090	820,941	1,177,956	1,539,722	1,902,035	2,284,972	2,625,829	2,990,929	3,355,974	3,720,965	4,185,084
Accrued Expense	610,976	145,133	213,896	196,524	155,993	223,832	292,573	361,419	430,383	498,952	568,327	637,692	707,046	795,237
Taxes Payable	65,277	142,362	318,768	118,071	0	0	0	0	0	0	0	0	0	0
Maturing Long Term Debt	130,499	593,135	1,056,875	839,915	860,266	876,336	893,741	912,613	933,077	955,267	669,969	669,969	689,969	669,969
Short Term Liabilities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Current Liabilities	2,072,309	2,132,775	2,105,149	2,186,600	1,837,219	2,278,124	2,726,036	3,176,067	3,628,433	4,080,048	4,229,225	4,663,635	5,097,980	5,650,290
Long Term Debt	14,291,030	14,644,413	13,778,408	13,054,163	11,962,595	10,854,976	9,729,953	8,586,057	7,421,698	6,235,149	5,188,190	4,286,938	3,385,687	2,484,435
Other Liabilities														
Unearned Revenue	125,861	0	0	0	0	0	0	0	0	0	0	0	0	0
Reserve Funds	3,248,165	3,287,466	5,958,061	4,026,096	4,066,357	4,107,021	4,148,091	4,189,572	4,231,468	4,273,782	4,316,520	4,359,685	4,403,282	4,447,315
Deferred New Connections	241,897	395,124	295,539	319,928	323,127	326,358	329,622	332,918	336,247	339,610	343,006	346,436	349,900	353,399
Payable to Project	0	0	0	0	600,000	900,000	1,800,000	2,100,000	2,320,000	2,652,000	2,917,200	3,208,920	3,529,812	3,882,793
Repayment from Project	0	0	0	0	(600,000)	(700,000)	(1,400,000)	(1,700,000)	(1,900,000)	(2,210,000)	(2,431,000)	(2,674,100)	(2,941,510)	(3,235,661)
Total Other Liabilities	3,615,923	3,682,590	6,253,600	4,346,024	4,589,484	4,633,379	4,877,713	4,922,490	4,987,715	5,055,392	5,145,726	5,240,941	5,341,485	5,447,847
TOTAL LIABILITIES	19,979,262	20,459,778	22,137,158	19,566,787	18,389,299	17,766,479	17,333,702	16,684,615	16,037,846	15,370,589	14,563,141	14,191,515	13,825,152	13,582,572
Equity														
Government Capital	1,589,205	1,589,205	1,589,205	1,589,205	1,589,205	1,589,205	1,589,205	1,589,205	1,589,205	1,589,205	1,589,205	1,589,205	1,589,205	1,589,205
Variance in Reevaluating Fixed Assets	1,954,905	1,954,905	1,954,905	1,954,905	1,954,905	1,954,905	1,954,905	1,954,905	1,954,905	1,954,905	1,954,905	1,954,905	1,954,905	1,954,905
Donated Capital	2,937,670	3,422,346	4,193,803	8,997,017	8,997,017	8,997,017	8,997,017	8,997,017	8,997,017	8,997,017	8,997,017	8,997,017	8,997,017	8,997,017
Retained Earnings	1,657,244	4,752,129	10,762,992	15,391,736	12,279,054	12,211,642	10,300,164	11,750,297	13,068,808	16,157,974	18,139,485	18,767,618	20,010,353	19,491,393
Income/Loss in Current Fiscal Year	3,094,885	6,010,863	4,628,744	4,023,678	2,078,897	757,868	4,882,212	3,871,448	6,997,754	6,503,733	5,589,157	5,269,104	4,623,134	712,871
Less Profit Sharing	0	0	0	0	3,883,082	2,871,550	2,593,942	3,032,479	3,124,349	4,013,312	4,532,341	4,741,728	4,807,384	4,926,697
TOTAL EQUITY	11,233,909	17,729,448	23,129,649	31,956,538	30,781,960	28,382,387	30,297,465	31,195,351	35,732,037	39,216,145	40,782,110	41,319,777	41,981,998	37,672,088
TOTAL LIABILITIES AND EQUITY	31,213,171	38,189,226	45,266,806	51,543,325	49,171,259	46,148,866	47,631,167	47,879,966	51,769,883	54,586,734	55,345,251	55,511,292	55,807,150	51,254,661
Balance	0	0	0	0	0	0	0	0	0	0	(0)	0	0	0

PDAM KODYA XYZ
ABC CONCESSION
PDAM Income Statement
(Rp 000) /Scenario :

	Historical 1994	Historical 1995	Historical 1996	Budget 1997	Projected 1998	Projected 1999	Projected 2000	Projected 2001	Projected 2002	Projected 2003	Projected 2004
OPERATING INCOME											
Water Income											
Water Sales	10,589,805	17,083,505	18,069,406	18,396,863	14,636,897	15,734,207	22,534,341	24,776,941	33,999,792	37,099,274	40,253,457
Other Water Income	2,664	868	7,054	15,041	0	0	0	0	0	0	0
Nonwater Income	2,440,169	2,679,492	2,237,685	2,250,407	0	515,400	829,500	866,400	907,800	955,200	1,010,400
Sales of Water to Concession					1,691,560	1,355,400	3,439,360	3,425,850	1,756,800	2,418,750	590,850
Purchase of Water from Concession					0	0	0	0	0	0	0
Total Operating Income	13,032,638	19,763,865	20,314,145	20,662,311	16,328,457	17,605,007	26,803,201	29,069,191	36,664,392	40,473,224	41,854,707
OPERATING EXPENSES											
Operations and Maintenance											
Water Source	334,723	671,482	938,699	896,329	895,715	1,023,405	1,151,095	1,278,785	1,406,475	1,534,164	1,661,854
Water Treatment	1,073,692	1,376,150	1,438,206	1,548,758	1,386,711	1,612,336	1,869,636	2,130,554	2,395,618	2,637,379	2,918,929
Transmission & Distribution Expense	732,157	832,138	1,092,881	1,461,445	1,007,187	1,451,644	1,896,100	2,340,557	2,785,014	3,229,470	3,673,927
General and Adm./Misc. Expense	2,796,031	4,165,949	5,088,423	6,454,779	4,951,939	7,738,295	10,540,671	13,344,928	16,151,297	18,960,083	21,771,685
Total O&M	4,936,603	7,045,717	8,558,209	10,361,312	8,241,553	11,825,680	15,457,502	19,094,824	22,738,404	26,361,097	30,026,395
Depreciation	3,220,105	3,293,704	3,799,163	3,426,096	4,655,903	4,470,012	4,816,821	5,175,738	6,039,019	7,342,707	8,092,856
Deferred Charges	0	0	0	0	0	0	0	0	0	0	0
Amortization of Intangible	0	0	0	0	0	0	0	0	0	0	0
Interest Expense	200,148	186,256	793,999	1,132,663	861,494	785,372	707,895	628,951	548,415	466,154	369,732
Total Operating Expenses	8,356,856	10,525,677	13,151,371	14,920,071	13,758,950	17,081,064	20,982,218	24,899,513	29,325,838	34,169,958	38,488,983
NET OPERATING INCOME	4,675,782	9,238,188	7,162,774	5,742,241	2,569,506	523,943	5,820,983	4,169,678	7,338,554	6,303,265	3,365,724
Non-Operating Income	210,271	143,910	305,892	159,345	0	0	0	0	0	0	0
Royalty from Concession					395,061	553,725	1,120,033	1,355,962	2,653,237	2,982,781	4,585,213
Non-Operating Expense	133,924	593,365	654,388	180,988	0	0	0	0	0	0	0
Net Income Before Income Tax	4,752,129	8,788,733	6,814,278	5,720,598	2,964,567	1,077,668	6,941,017	5,525,640	9,991,791	9,286,046	7,950,938
Income Tax	1,657,244	2,777,870	2,185,534	1,696,922	885,870	319,800	2,078,805	1,654,192	2,994,037	2,782,314	2,381,781
NET INCOME	3,094,885	6,010,863	4,628,744	4,023,676	2,078,697	757,868	4,862,212	3,871,448	6,997,754	6,503,733	5,569,157
	0										
NET CASH FLOW	234,859	2,578,192	6,347,744	6,667,828	(1,758,540)	(5,332,757)	(5,026,723)	(3,995,709)	(5,434,635)	(9,950,961)	(5,889,607)

	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004
Customer Connections	44,251	51,692	57,197	61,926	34,481	36,179	38,944	41,832	44,858	48,042	51,410
Consumption/Connection-'000m3/conn.	449	375	360	347	343	351	359	368	376	383	389
Volume Sold-m3	19,868,790	19,374,417	20,568,058	21,481,506	11,805,912	12,692,062	13,984,319	15,377,711	18,883,156	18,423,944	19,992,044
Weighted Average Tariff- Rp/m3	533	882	879	856	1,240	1,240	1,611	1,611	2,014	2,014	2,013
O&M Expense/m3	420.60	543.28	639.41	694.55	1,165 43	1,345 81	1,500 41	1,819.20	1,736 99	1,854 65	1,925.21
Operating Income per m3	0.66	1.02	0.99	0.96	1.38	1.39	1.92	1.89	2.17	2.20	2.09
Operating Expenses per m3	0.42	0.54	0 64	0 69	1.17	1.35	1 50	1.62	1.74	1.85	1.93
Net Income per m3	0.16	0.31	0.23	0.19	0.18	0.06	0.35	0.25	0.41	0.35	0.28

PDAM KODYA XYZ
ABC CONCESSION
PDAM Sources & Uses
(Rp 000) /Scenario :

	Historical 1994	Historical 1995	Historical 1996	Budget 1997	Projected 1998	Projected 1999	Projected 2000	Projected 2001	Projected 2002	Projected 2003	Projected 2004
SOURCES:											
After Tax Net Income	3,094,885	6,010,863	4,628,744	4,023,676	2,078,697	757,868	4,862,212	3,871,448	6,997,754	6,503,733	5,569,157
Depreciation of Assets	3,220,105	3,293,704	3,799,163	3,426,096	4,655,903	4,470,012	4,816,821	5,175,738	6,039,019	7,342,707	8,092,856
Government Equity		0	0	0	0	0	0	0	0	0	0
Donated Capital	1,511,797	484,676	771,457	4,803,214	0	0	0	0	0	0	0
Undefined Status of GOI Funds	0	0	0	0	(600,000)	(100,000)	(700,000)	(300,000)	(200,000)	(310,000)	(221,000)
Amortization of Assets	0	0	0	0	0	0	0	0	0	0	0
Increased in ST. Liabilities	(1,876,347)	60,466	(27,625)	81,451	(349,381)	440,905	447,912	450,032	452,365	451,615	149,178
Borrowing less Debt Amortization	773,959	353,383	(866,005)	(724,245)	(1,091,568)	(1,107,619)	(1,125,023)	(1,143,896)	(1,164,359)	(1,186,549)	(1,046,959)
Increased in other Liabilities	2,346,641	66,667	2,571,010	(1,907,576)	243,460	43,895	244,334	44,777	65,225	67,677	90,334
Total Sources	9,071,040	10,269,759	10,876,743	9,702,615	4,937,112	4,505,061	8,546,255	8,098,100	12,190,004	12,869,183	12,633,566
USES:											
Capital Expenditures/Plant Additions	17,013,397	3,427,476	8,442,631	2,505,351	2,951,000	6,592,000	9,325,000	8,419,000	13,105,000	17,988,000	13,533,000
Increased in other Assets	(9,581,979)	1,364,434	(2,278,350)	146,274	17,118	17,289	17,462	17,636	17,813	17,991	18,171
Increased in Current Assets except cash	1,404,763	2,899,657	(1,635,282)	383,162	(155,548)	356,979	1,636,574	624,693	1,377,477	800,841	439,660
Increased in Other Investment	0	0	0	0	0	0	0	0	0	0	0
Bonuses	0	0	0	0	0	0	0	0	0	0	0
Profit Sharing	0	0	0	0	3,883,082	2,871,550	2,593,942	3,032,479	3,124,349	4,013,312	4,532,341
Total Uses	8,836,181	7,691,567	4,528,999	3,034,787	6,695,652	9,837,818	13,572,978	12,093,809	17,624,639	22,820,144	18,523,172
Cash Increase(Decrease)	234,859	2,578,192	6,347,744	6,667,828	(1,758,540)	(5,332,757)	(5,026,723)	(3,995,709)	(5,434,635)	(9,950,961)	(5,889,607)
Beginning Cash Balance	1,519,078	1,753,937	4,332,129	10,679,873	17,347,702	15,589,161	10,256,404	5,229,681	1,233,972	(4,200,663)	(14,151,624)
Ending Cash Balance	1,753,937	4,332,129	10,679,873	17,347,702	15,589,161	10,256,404	5,229,681	1,233,972	(4,200,663)	(14,151,624)	(20,041,231)

PDAM KODYA XYZ
ABC CONCESSION
PDAM Performance Indicators
(Rp 000) /Scenario :

	Historical 1994	Historical 1995	Historical 1996	Historical 1997	Projected 1998	Projected 1999	Projected 2000	Projected 2001	Projected 2002	Projected 2003	Projected 2004	Projected 2005	Projected 2006
DEBT STRUCTURE													
Debt-Equity (%)													
Long-Term Debt	12,074,821	11,481,687	10,656,094	9,931,849	9,071,563	8,195,227	7,301,486	6,388,873	5,455,796	4,500,529	3,684,853	3,014,684	2,344,915
Total Equity	11,233,909	17,729,448	23,129,649	31,956,538	30,781,960	28,382,387	30,297,465	31,195,351	35,732,037	39,216,145	40,782,110	41,319,777	41,981,998
Total Capitalization	23,308,730	29,211,135	33,785,742	41,888,387	39,853,523	36,577,613	37,598,951	37,584,225	41,187,833	43,716,675	44,466,963	44,334,661	44,326,913
Ratio	51 80%	39 31%	31 54%	23.71%	22 76%	22 41%	19 42%	17 00%	13 25%	10 29%	8 29%	6 80%	5 29%
Debt Coverage													
Net Operating Income	4,675,782	9,238,188	7,162,774	5,742,241	2,569,506	523,943	5,820,983	4,169,678	7,338,554	6,303,265	3,365,724	2,461,799	1,161,678
Debt Service	330,647	779,390	1,850,875	1,972,578	1,721,780	1,661,708	1,601,636	1,541,564	1,481,492	1,421,420	1,039,701	979,629	919,557
Ratio	14 14	11 85	3 87	2 91	1 49	0 32	3 63	2 70	4 95	4 43	3 24	2 51	1 26
Interest Share of Operating Income													
Interest Payments	200,148	186,256	793,999	1,132,663	861,494	785,372	707,895	628,951	548,415	466,154	369,732	309,660	249,588
Operating Income	13,032,638	19,763,865	20,314,145	20,662,311	16,328,457	17,605,007	26,803,201	29,069,191	36,664,392	40,473,224	41 854,707	44,808,846	48,226,730
Ratio	1 54%	0 94%	3 91%	5 48%	5 28%	4 46%	2 64%	2.16%	1 50%	1 15%	0 88%	0 69%	0 52%
EFFICIENCY													
Revenues per Cubic Meter Sold													
Operating Income	13,032,638	19,763,865	20,314,145	20,662,311	16,328,457	17,605,007	26,803,201	29,069,191	36,664,392	40,473,224	41,854,707	44,808,846	48,226,730
Total Cubic Meter Water Sold	19,868,790	19,374,417	20,568,058	21,481,506	11,805,912	12,692,062	13,984,319	15,377,711	16,883,156	18,423,944	19,992,044	21,557,828	23,112,668
Rupiah	656	1,020	988	962	1,383	1,387	1,917	1,890	2,172	2,197	2,094	2,079	2,087
Accounts Receivable Turnover													
Accounts Receivable	2,226,869	4,089,945	2,691,601	3,067,315	2,721,409	2,848,268	4,328,950	4,700,465	5,959,432	6,586,337	6,807,385	7,291,841	7,851,938
Average Daily Sales	29,013	46,804	49,505	50,402	40,101	43,107	61,738	67,882	93,150	101,642	110,283	118,912	127,479
Ratio	76 75	87 38	54 37	60 86	67 86	66 07	70 12	69 24	63 98	64 80	61 73	61 32	61 59
Expenditures per Cubic Meter Sold													
Operating Expenses	8,358,656	10,525,677	13,151,371	14,920,071	13,758,950	17,081,064	20,982,218	24,899,513	29,325,638	34,169,958	38 488,983	42,347,046	47,065,052
Total Cubic Meter Water Sold	19,868,790	19,374,417	20,568,058	21,481,506	11,805,912	12,692,062	13,984,319	15,377,711	16,883,156	18,423,944	19,992,044	21,557,828	23,112,668
Rupiah	420 60	543 28	639 41	694 55	1,165 43	1,345 81	1,500 41	1,619 20	1,736 99	1,854 65	1,925 21	1,964 35	2,036 33
Working Ratio													
Operating Expenses (less depreciation)	5,138,751	7,231,973	9,352,208	11,493,975	9,103,047	12,611,052	16,185,397	19,723,775	23,286,819	26,827,251	30,396,126	34,000,798	37,604,922
Operating Revenues	13,032,638	19,763,865	20,314,145	20,662,311	16,328,457	17,605,007	26,803,201	29,069,191	36,664,392	40,473,224	41,854,707	44,808,846	48,226,730
Ratio	39 41%	36 59%	46 04%	55 63%	55 75%	71 63%	60 31%	67 85%	63 51%	66 28%	72 62%	75 88%	77 98%
Employees per 1000 Connections													
Number of Employees	458	431	476	612	512	512	512	512	512	512	512	512	512
Number of Connections (1000)	44	52	57	62	34	36	39	42	45	48	51	55	59
Ratio	10 35	8 34	8 32	9 88	14 86	14 15	13 15	12 24	11 41	10 66	9 96	9 32	8 73
Unaccounted for Water													
Total Production	31,314,090	33,107,343	34,268,674	37,037,079	21,081,986	21,882,865	23,307,198	24,802,760	26,379,931	27,498,423	29,400,065	31,243,230	33,018,097
Total Water Sold	19,868,790	19,374,417	20,568,058	21,481,506	11,805,912	12,692,062	13,984,319	15,377,711	16,883,156	18,423,944	19,992,044	21,557,828	23,112,668
Leakage	11,445,300	13,732,926	13,700,616	15,555,573	9,276,074	9,190,803	9,322,879	9,425,049	9,496,775	9,074,480	9 408,021	9,685,401	9,905,429
Ratio	36 55%	41 48%	39 98%	42 00%	44 00%	42 00%	40 00%	38 00%	36 00%	33 00%	32 00%	31 00%	30 00%
Current Ratio													
Current Assets	6,316,249	11,794,098	16,506,560	23,557,551	21,643,462	16,667,684	13,277,535	9,906,519	5,849,381	(3,300,759)	(8,750,705)	(9,686,160)	(16,999,591)
Current Liabilities	2,072,309	2,132,775	2,105,149	2,186,600	1,837,219	2,278,124	2,726,036	3,176,067	3,628,433	4,080,048	4,229,225	4,663,635	5,097,980
Ratio	3 0	5 5	7 8	10 8	11 8	7 3	4 9	3 1	1 6	-0 8	-2 1	-2 1	-3 7
PROFITABILITY													
Return on Sales													
Net Income (after taxes)	3,094,885	6,010,863	4,628,744	4,023,676	2,078,697	757,868	4,862,212	3,871,448	6,997,754	6,503,733	5,569,157	5,269,104	4,623,134
Operating Income	13,032,638	19,763,865	20,314,145	20,662,311	16,328,457	17,605,007	26,803,201	29,069,191	36,664,392	40,473,224	41,854,707	44,808,846	48,226,730
Ratio	23 75%	30 41%	22 79%	19 47%	12 73%	4 30%	18 14%	13 32%	19 09%	16 07%	13 31%	11 76%	9 59%
Return on Assets													
Income (before interest/taxes)	3,094,885	6,010,863	4,628,744	4,023,676	2,078,697	757,868	4,862,212	3,871,448	6,997,754	6,503,733	5,569,157	5,269,104	4,623,134
Total Assets	31,213,171	38,189,226	45,266,806	51,543,325	49,171,259	46,148,866	47,631,167	47,879,966	51,769,883	54,586,734	55,345,251	55,511,292	55,807,150
Ratio	9 92%	15 74%	10 23%	7 81%	4 23%	1 64%	10 21%	8 09%	13 52%	11 91%	10 06%	9 49%	8 28%

PDAM KODYA XYZ
ABC CONCESSION
PDAM Performance Indicators
(Rp 000) /Scenario :

	Historical 1994	Historical 1995	Historical 1996	Historical 1997	Projected 1998	Projected 1999	Projected 2000	Projected 2001	Projected 2002	Projected 2003	Projected 2004	Projected 2005	Projected 2006
DEBT STRUCTURE													
Debt-Equity Ratio	2 00	3 00	3.00	4 00	4 00	4.00	4 00	4 00	4 00	4 00	4 00	4 00	4 00
Debt Coverage Ratio	4 00	4 00	4 00	3 00	2 00	1 00	4 00	3 00	4 00	4 00	3 00	3 00	1 00
Interest Charged/Oper Income Ratio	4 00	4 00	4 00	4 00	4 00	4 00	4 00	4 00	4 00	4 00	4 00	4 00	4 00
Sub-total Value	10 00	11 00	11 00	11 00	10 00	9 00	12 00	11 00	12 00	12 00	11 00	11 00	9 00
EFFICIENCY													
Revenues per Cubic Meter Sold	4 00	4 00	4 00	4 00	4 00	4 00	4 00	4 00	4 00	4 00	4 00	4 00	4.00
Accounts Receivable Turnover	4 00	4 00	4 00	4 00	4 00	4 00	4 00	4 00	4 00	4 00	4 00	4 00	4 00
Expenditures per Cubic Meter Sold	1 00	1 00	1 00	1 00	1 00	1 00	1 00	1 00	1 00	1 00	1 00	1 00	1 00
Working Ratio	4 00	4 00	4 00	3 00	3 00	1 00	3 00	2 00	2 00	2 00	1 00	1 00	1 00
Employees per 1000 Customers	4 00	4 00	4 00	4 00	2 00	2 00	2 00	3.00	3 00	4 00	4 00	4 00	4 00
Unaccounted for Water	2 00	1 00	2 00	1 00	1 00	1 00	1 00	2 00	2 00	2 00	2 00	2 00	2 00
Current Ratio	4 00	4 00	4 00	4 00	4 00	4 00	4 00	4 00	3 00	1 00	1 00	1 00	1 00
Sub-total Value	23 00	22 00	23 00	21 00	19 00	17 00	19 00	20 00	19 00	18 00	17 00	17 00	17 00
PROFITABILITY													
Return on Sales	4 00	4.00	4 00	3 00	2 00	1 00	3 00	2 00	3 00	3 00	2 00	2 00	1 00
Return on Assets	1 00	2 00	1 00	1 00	1 00	1 00	1 00	1 00	2 00	2 00	1 00	1 00	1 00
Sub-total Value	5 00	6 00	5.00	4 00	3 00	2 00	4 00	3 00	5 00	5 00	3 00	3 00	2 00
Level of Financial Health	38 00	39 00	39 00	36 00	32 00	28 00	35 00	34 00	36.00	35 00	31 00	31 00	28 00
Very Healthy (41-48)													
Healthy (31-40)													
Less Healthy (21-30)													
Not Healthy (12-20)													

PDAM KODYA XYZ
ABC CONCESSION
PDAM Rates & Revenues
(Rp 000) /Scenario :

	Historical 1994	Historical 1995	Historical 1996	Budget 1997	Projected 1998	Projected 1999	Projected 2000	Projected 2001	Projected 2002	Projected 2003	Projected 2004	Projected 2005	Projected 2006	Projected 2007	Projected 2008
Number of Connections by Class															
CLASS I Sub Total	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Public Tap	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Public Toilet	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Water Tank	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Masque/Church/Vihara	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CLASS II Sub Total	43,900	49,910	55,421	60,308	33,869	35,541	38,232	41,042	43,987	47,086	50,364	53,795	57,413	61,265	65,434
Very Small House	40,574	47,828	53,164	57,891	32,989	34,615	37,232	39,966	42,830	45,844	49,032	52,369	55,888	59,634	63,689
Orphanage	2,271	902	947	981	225	234	250	265	282	299	318	337	357	379	402
Social Foundation	1,055	1,180	1,310	1,436	655	691	750	811	875	943	1,014	1,089	1,168	1,252	1,343
Public School	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Public Hospital	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Gov & Army - Kec & Kel	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CLASS III Sub Total	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Medium Size House	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Small Commercial	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Home Industry	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Gov. & Army - TK II	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CLASS IV Sub Total	351	1,782	1,776	1,618	592	638	712	790	871	956	1,046	1,141	1,240	1,346	1,461
Luxury House	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Large Commer & Manufa	96	1,346	1,295	1,237	240	271	322	375	430	488	550	614	682	755	833
Gov. & Army - TK I	255	436	481	381	352	367	390	415	440	468	496	526	558	592	628
Embassy & Consulate	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Special Class	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Connections	44,251	51,692	57,197	61,926	34,461	36,179	38,944	41,832	44,858	48,042	51,410	54,936	58,653	62,611	66,895
Average Consumption/Connection															
CLASS I Sub Total	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Public Tap	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Public Toilet	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Water Tank	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Masque/Church/Vihara	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CLASS II Sub Total	395	319	306	300	271	278	285	292	300	306	311	314	315	316	316
Very Small House	339	274	260	257	247	253	260	266	273	278	283	285	287	287	287
Orphanage	551	384	303	289	270	277	284	291	298	304	309	312	313	313	313
Social Foundation	2,215	2,082	2,158	2,015	1,453	1,489	1,526	1,565	1,604	1,636	1,660	1,677	1,685	1,685	1,685
Public School	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Public Hospital	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Gov. & Army - Kec & Kel	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CLASS III Sub Total	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Medium Size House	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Small Commercial	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Home Industry	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Gov. & Army - TK II	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CLASS IV Sub Total	7,243	1,935	2,041	2,099	4,451	4,424	4,345	4,290	4,253	4,211	4,160	4,100	4,031	3,949	3,874
Luxury House	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Large Commer & Manufa	1,515	511	513	491	444	455	466	478	490	500	507	512	515	515	515
Gov. & Army - TK I	9,399	6,333	6,156	7,323	7,183	7,362	7,546	7,735	7,928	8,087	8,208	8,290	8,332	8,332	8,332
Embassy & Consulate	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Special Class	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Wt. Average Consumption/Conn.	449	375	360	347	343	351	359	368	376	383	389	392	394	394	393

PDAM KODYA XYZ
ABC CONCESSION
PDAM Rates & Revenues
(Rp 000) /Scenario :

	Historical 1994	Historical 1995	Historical 1996	Budget 1997	Projected 1998	Projected 1999	Projected 2000	Projected 2001	Projected 2002	Projected 2003	Projected 2004	Projected 2005	Projected 2006	Projected 2007	Projected 2008
Total Consumption by Class															
CLASS I Sub Total	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Public Tap	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Public Toilet	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Water Tank	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Masque/Church/Vihara	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CLASS II Sub Total	17,326,535	15,925,744	16,943,314	18,084,524	9,171,060	9,869,400	10,889,933	11,990,607	13,180,084	14,398,576	15,639,778	16,880,227	18,113,116	19,336,069	20,659,750
Very Small House	13,738,884	13,122,572	13,829,456	14,906,890	8,158,668	8,774,858	9,674,260	10 644,154	11,692,156	12,765,177	13,857,643	14,948,907	16,032,968	17,107,725	18,271,004
Orphanage	1,251,340	346,569	286,633	283,600	60,744	64,862	70,770	77,130	83,986	90,958	98,003	104,989	111,878	118,854	125,888
Social Foundation	2,336,331	2,456,603	2,827,225	2,893,834	951,648	1,029,681	1,144,903	1,269,323	1,403,940	1,542,441	1,684,132	1,826,331	1,968,271	2,109,691	2,262,758
Public School	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Public Hospital	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Gov. & Army - Kec & Kel	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CLASS III Sub Total	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Medium Size House	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Small Commercial	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Home Industry	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Gov & Army - TK II	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CLASS IV Sub Total	2,542,255	3,448,673	3,624,744	3,396,982	2,634,852	2,822,662	3,094,386	3,387,104	3,703,072	4,025,368	4,352,267	4,677,601	4 999,551	5,317,472	5,661,578
Luxury House	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Large Commer & Manufa	145,434	687,290	663,900	606,894	106,536	123,497	150,170	179,175	210,773	244,094	279,005	314,838	351,419	388,895	429,041
Gov. & Army - TK I	2,398,821	2,761,383	2,960,844	2,790,088	2,528,316	2,699,165	2,944,216	3,207,929	3,492,299	3,781,274	4,073,262	4,362,763	4,648,133	4,928,777	5,232,538
Embassy & Consulate	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Special Class	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total PDAM Consumption	19,868,790	19,374,417	20,568,058	21,481,506	11,805,912	12,692,062	13,984,319	15,377,711	16,883,156	18,423 944	19,992,044	21,557,828	23,112,668	24,653,541	26,321,328
Water Losses	36 55%	41 48%	39 98%	42.00%	44 00%	42 00%	40 00%	38 00%	36 00%	33 00%	32 00%	31 00%	30 00%	29 00%	28 00%
Production	31,314,090	33,107,343	34,268,674	37,037,079	21,081,986	21,882,865	23,307,198	24,802,760	26,379,931	27,498,423	29,400,065	31,243,230	33,016,097	34,723,297	36,557,399
Water Produced by PDAM	31,314,090	33,107,343	34,268,674	37,037,079	21,081,986	21,882,865	23,307,198	24,802,760	26,379,931	27,498,423	29,400,065	31,243,230	33,016,097	33,863,297	35,101,399
Water Sales to Project					3,253,000	3,012,000	7,137,000	7,613,000	3,904,000	5,375,000	1,313,000	774,000	1,293,000	0	0
Water Purchased from Project					0	0	0	0	0	0	0	0	0	860,000	1,456,000
Production - l/s	993	1,050	1,087	1,174	669	694	739	786	837	872	932	991	1,047	1,101	1,159
Water Produced by PDAM - l/s	993	1,050	1,087	1,174	669	694	739	786	837	872	932	991	1,047	1,074	1,113
Water Sales to Project - l/s	-	-	-	-	103	96	226	241	124	170	42	25	41	-	-
Water Purchased from Project - l/s	-	-	-	-	-	-	-	-	-	-	-	-	-	27	46
PDAM Capacity Utilization - l/s	162 78%	172.10%	178 14%	192 53%	70 87%	73.35%	78 13%	83.12%	87 14%	89 98%	74 62%	79.51%	84 03%	86.18%	89 33%
	31,536,000														

PDAM KODYA XYZ
ABC CONCESSION
PDAM Rates & Revenues
(Rp 000) /Scenario :

	Historical 1994	Historical 1995	Historical 1996	Budget 1997	Projected 1998	Projected 1999	Projected 2000	Projected 2001	Projected 2002	Projected 2003	Projected 2004	Projected 2005	Projected 2006	Projected 2007	Projected 2008
PDAM Revenues															
Tariff Increase Percentage						0.00%	30.00%	0.00%	25.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Average Tariff by Classification						300	300	300	300	300	300	300	300	300	300
New Connection Charge						-	-	-	-	-	-	-	-	-	-
CLASS I Sub Total	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Public Tap	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Public Toilet	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Water Tank	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Masque/Church/Vihara	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CLASS II Sub Total	437	618	606	601	969	968	1,258	1,257	1,571	1,570	1,569	1,569	1,568	1,567	1,567
Very Small House	409	632	631	625	1,014	1,014	1,318	1,318	1,647	1,647	1,647	1,647	1,647	1,647	1,647
Orphanage	1,127	2,100	2,047	2,038	3,135	3,135	4,076	4,076	5,094	5,094	5,094	5,094	5,094	5,094	5,094
Social Foundation	234	333	335	335	445	445	578	578	723	723	723	723	723	723	723
Public School	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Public Hospital	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Gov. & Army - Kec & Kel	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CLASS III Sub Total	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Medium Size House	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Small Commercial	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Home Industry	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Gov & Army - TK II	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CLASS IV Sub Total	1,184	2,099	2,154	2,216	2,184	2,189	2,856	2,865	3,591	3,601	3,610	3,618	3,626	3,634	3,640
Luxury House	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Large Commer & Manufa	1,917	2,712	2,920	2,925	3,722	3,722	4,838	4,836	6,048	6,048	6,048	6,048	6,048	6,048	6,048
Gov. & Army - TK I	1,140	1,947	1,983	2,062	2,119	2,119	2,754	2,754	3,443	3,443	3,443	3,443	3,443	3,443	3,443
Embassy & Consulate	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Special Class	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Wt. Average Tariff	533	882	879	856	1,240	1,240	1,611	1,611	2,014	2,014	2,013	2,013	2,013	2,013	2,013
Water Sales Income by Class															
CLASS I Sub Total	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Public Tap	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Public Toilet	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Water Tank	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Masque/Church/Vihara	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CLASS II Sub Total	7,579,741	9,844,494	10,260,455	10,869,473	8,883,327	9,555,514	13,697,998	15,073,869	20,700,734	22,603,724	24,541,425	26,477,218	28,400,458	30,307,427	32,371,462
Very Small House	5,622,287	8,298,413	8,727,030	9,323,122	8,269,463	8,894,020	12,747,327	14,025,313	19,257,770	21,025,108	22,824,473	24,621,860	26,407,380	28,177,578	30,093,577
Orphanage	1,409,932	727,834	586,600	578,357	190,436	203,344	288,430	314,347	427,871	463,382	499,272	534,863	569,956	604,476	641,839
Social Foundation	547,522	818,447	946,825	967,994	423,429	458,149	662,241	734,209	1,015,093	1,115,234	1,217,681	1,320,495	1,423,122	1,525,373	1,636,046
Public School	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Public Hospital	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Gov & Army - Kec & Kel	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CLASS III Sub Total	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Medium Size House	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Small Commercial	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Home Industry	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Gov. & Army - TK II	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CLASS IV Sub Total	3,010,064	7,239,011	7,808,951	7,527,390	5,753,570	6,178,694	8,836,343	9,703,072	13,299,058	14,495,550	15,712,032	16,925,528	18,129,321	19,321,051	20,610,938
Luxury House	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Large Commer & Manufa	278,736	1,863,621	1,938,618	1,775,450	396,510	459,836	726,582	866,920	1,274,757	1,476,282	1,667,423	1,904,138	2,125,379	2,350,825	2,594,841
Gov. & Army - TK I	2,731,328	5,375,390	5,870,333	5,751,940	5,357,059	5,719,058	8,109,761	8,836,152	12,024,301	13,019,268	14,024,609	15,021,389	16,003,943	16,970,226	18,016,098
Embassy & Consulate	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Special Class	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Water Sales Income	10,589,805	17,083,505	18,069,406	18,396,863	14,636,897	15,734,207	22,534,341	24,776,941	33,999,792	37,099,274	40,253,457	43,402,746	46,529,780	49,628,478	52,982,400
Other Water Income (Adm)	2,664	868	7,054	15,041	-	-	-	-	-	-	-	-	-	-	-
Total Water Income	10,592,469	17,084,373	18,076,460	18,411,904	14,636,897	15,734,207	22,534,341	24,776,941	33,999,792	37,099,274	40,253,457	43,402,746	46,529,780	49,628,478	52,982,400
Non Water Income															
New Connection Income	1,762,043	1,887,977	1,332,181	1,156,936	-	515,400	829,500	866,400	907,800	955,200	1,010,400	1,057,800	1,115,100	1,187,400	1,285,200
Other Income	678,126	791,515	905,504	1,093,471	-	-	-	-	-	-	-	-	-	-	-
Total Non Water Income	2,440,169	2,679,492	2,237,685	2,250,407	-	515,400	829,500	866,400	907,800	955,200	1,010,400	1,057,800	1,115,100	1,187,400	1,285,200
TOTAL INCOME	13,032,638	19,763,865	20,314,145	20,662,311	14,636,897	16,249,607	23,363,841	25,643,341	34,907,592	38,054,474	41,263,857	44,460,546	47,644,880	50,815,878	54,267,600

PDAM KODYA XYZ
ABC CONCESSION
PDAM Rates & Revenues
(Rp 000) /Scenario :

	Historical 1994	Historical 1995	Historical 1996	Budget 1997	Projected 1998	Projected 1999	Projected 2000	Projected 2001	Projected 2002	Projected 2003	Projected 2004	Projected 2005	Projected 2006	Projected 2007	Projected 2008
New Connection Allocation Panel		1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007
	New Connections						1,718	2,765	2,888	3,026	3,184	3 368	3,526	3,717	3,958
Rate Classes	Allocation %														
CLASS I Sub Total	0 00%	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Public Tap	0 00%	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Public Toilet	0 00%	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Water Tank	0 00%	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Masque/Church/Vihara	0 00%	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CLASS II Sub Total	97 32%	43,900	49,910	55,421	60,308	33,869	35 541	38,232	41,042	43,987	47,086	50,364	53,795	57,413	61,265
Very Small House	94 65%	40,574	47,828	53,164	57,891	32,989	34,615	37,232	39,966	42,830	45,844	49,032	52,369	55,888	59,634
Orphanage	0 55%	2,271	902	947	981	225	234	250	265	282	299	318	337	357	379
Social Foundation	2 12%	1,055	1,180	1,310	1,436	655	691	750	811	875	943	1,014	1,089	1,168	1,252
Public School	0 00%	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Public Hospital	0 00%	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Gov. & Army - Kec & Kel	0 00%	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CLASS III Sub Total	0 00%	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Medium Size House	0 00%	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Small Commercial	0 00%	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Home Industry	0 00%	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Gov. & Army - TK II	0 00%	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CLASS IV Sub Total	2 68%	351	1,782	1,776	1,618	592	638	712	790	871	956	1,046	1,141	1,240	1,348
Luxury House	0.00%	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Large Commer & Manufa	1 83%	96	1,346	1,295	1,237	240	271	322	375	430	488	550	614	682	755
Gov. & Army - TK I	0 85%	255	436	481	381	352	367	390	415	440	468	496	526	558	592
Embassy & Consulate	0 00%	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Special Class	0 00%	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	100 00%	44,251	51,692	57,197	61,926	34,461	36,179	38,944	41,832	44,858	48,042	51,410	54,936	58,653	62,611

PDAM KODYA XYZ
ABC CONCESSION
PDAM O&M
(Rp 000) /Scenario :

	Historical 1994	Historical 1995	Historical 1996	Budget 1997	Projected 1998	Projected 1999	Projected 2000	Projected 2001	Projected 2002	Projected 2003	Projected 2004
WATER SOURCE											
Operation Expenses											
Personnel	73,061	71,561	97,074	127,690	126,333	254,023	381,712	509,402	637,092	764,782	892,472
Fuel	0	0	0	0	0	0	0	0	0	0	0
Power	0	0	0	0	0	0	0	0	0	0	0
Other	0	7,730	835	1,224	0	0	0	0	0	0	0
Maintenance Expenses	27,781	34,537	56,961	25,047	25,937	25,937	25,937	25,937	25,937	25,937	25,937
Raw Water Expense	233,881	557,654	783,829	742,369	743,445	743,445	743,445	743,445	743,445	743,445	743,445
Project Water Expense	0	0	0	0	0	0	0	0	0	0	0
Total Water Source Expense	334,723	671,482	938,699	896,329	895,715	1,023,405	1,151,095	1,278,785	1,406,475	1,534,164	1,661,854
WATER TREATMENT & STORAGE											
Operation											
Personnel	166,824	188,072	206,878	253,431	209,628	394,563	579,499	764,435	949,371	1,134,307	1,319,243
Chemicals	21,770	36,789	35,381	31,370	0	0	0	0	0	0	0
Fuels	0	0	0	0	0	0	0	0	0	0	0
Power	849,315	1,075,947	1,097,816	1,167,214	1,071,076	1,111,765	1,184,128	1,260,111	1,340,239	1,397,065	1,493,678
Other	0	17,100	373	212	0	0	0	0	0	0	0
Maintenance	35,783	58,242	97,758	96,531	106,008	106,008	106,008	106,008	106,008	106,008	106,008
Total Treat. & Storage Expense	1,073,692	1,376,150	1,438,206	1,548,758	1,386,711	1,612,336	1,869,636	2,130,554	2,395,618	2,637,379	2,918,929
TRANSMISSION & DISTRIBUTION											
Operation											
Personnel	461,519	523,069	598,371	696,989	342,027	786,484	1,230,941	1,675,397	2,119,854	2,564,311	3,008,768
Fuels	0	0	0	0	0	0	0	0	0	0	0
Power	0	0	0	0	0	0	0	0	0	0	0
Other	0	54,407	18,643	19,426	0	0	0	0	0	0	0
Maintenance	270,638	254,660	477,867	745,030	665,160	665,160	665,160	665,160	665,160	665,160	665,160
Total Trans.& Dist. Expense	732,157	832,136	1,092,881	1,461,445	1,007,187	1,451,644	1,896,100	2,340,557	2,785,014	3,229,470	3,673,927
GENERAL & ADMINISTRATIVE											
Operation											
Personnel	1,647,202	1,840,946	2,364,654	3,056,057	2,489,909	5,249,979	8,010,050	10,770,121	13,530,192	16,290,262	19,050,333
Office Expense	351,588	1,152,624	1,016,095	1,650,868	1,203,949	1,203,949	1,203,949	1,203,949	1,203,949	1,203,949	1,203,949
Consumer Services	334,874	564,211	877,571	777,997	527,256	553,542	595,846	640,033	686,331	735,047	786,577
Research & Development	65,391	103,878	65,940	61,287	0	0	0	0	0	0	0
General Maintenance	160,034	193,102	588,485	388,874	453,071	453,071	453,071	453,071	453,071	453,071	453,071
Cost for Receivable Set Aside	14,087	103,755	28,411	204,769	0	0	0	0	0	0	0
Miscellaneous	222,855	207,433	147,267	314,928	277,755	277,755	277,755	277,755	277,755	277,755	277,755
Total General & Admin. Expense	2,796,031	4,165,949	5,088,423	6,454,779	4,951,939	7,738,295	10,540,671	13,344,928	16,151,297	18,960,083	21,771,685
Non-Operating Expense	133,924	593,365	654,388	180,988	0	0	0	0	0	0	0
Non-Operating Income	210,271	143,910	305,892	159,345	0	0	0	0	0	0	0
Total Operations & Maintenance Exp	4,860,256	7,495,172	8,906,705	10,382,955	8,241,553	11,825,680	15,457,502	19,094,824	22,738,404	26,361,097	30,026,395

PDAM KODYA XYZ
ABC CONCESSION
PDAM Salaries for Employee
(Rp 000) /Scenario :

	Historical 1994	Historical 1995	Historical 1996	Budget 1997	Projected 1998	Projected 1999	Projected 2000	Projected 2001	Projected 2002	Projected 2003	Projected 2004
Net Employees (People/Person)											
Water Source	15	14	9	24	24	24	24	24	24	24	24
Water Treatment	38	35	35	37	27	27	27	27	27	27	27
Transmission & Dist.	107	115	119	138	88	88	88	88	88	88	88
General & Admin.	298	267	313	413	373	373	373	373	373	373	373
Total Net Employees	458	431	476	612	512	512	512	512	512	512	512
Average Salary and Fringes* (Rp 000)											
Water Source	4,871	5,112	10,786	5,320	5,320	5,320	5,320	5,320	5,320	5,320	5,320
Water Treatment	4,390	5,373	5,911	6,849	6,849	6,849	6,849	6,849	6,849	6,849	6,849
Transmission & Dist.	4,313	4,548	5,028	5,051	5,051	5,051	5,051	5,051	5,051	5,051	5,051
General & Admin.	5,528	6,895	7,555	7,400	7,400	7,400	7,400	7,400	7,400	7,400	7,400
Total Annual Salary and Fringes											
Water Source	73,061	71,561	97,074	127,690	127,690	127,690	127,690	127,690	127,690	127,690	127,690
Water Treatment	166,824	188,072	206,878	253,431	184,938	184,936	184,936	184,936	184,936	184,936	184,936
Transmission & Dist.	461,519	523,069	598,371	696,989	444,457	444,457	444,457	444,457	444,457	444,457	444,457
General & Admin.	1,847,202	1,840,946	2,364,654	3,056,057	2,760,071	2,760,071	2,760,071	2,760,071	2,760,071	2,760,071	2,760,071

* Escalated at CPI

PDAM KODYA XYZ
ABC CONCESSION
PDAM Escalation Rates
(Rp 000) /Scenario :

	Historical 1994	Historical 1995	Historical 1996	Budget 1997	Projected 1998	Projected 1999	Projected 2000	Projected 2001	Projected 2002	Projected 2003	Projected 2004	Projected 2005
Raw Values												
CPI	100	110	120	132	132	132	132	132	132	132	132	132
Lost/Unaccounted Ratio	36 55%	41.48%	39.98%	42 00%	44.00%	42.00%	40 00%	38.00%	36 00%	33.00%	32.00%	31.00%
Number of Customers	44,251	51,692	57,197	61,926	34,461	36,179	38,944	41,832	44,858	48,042	51,410	54,936
Water Sold	19,868,790	19,374,417	20,568,058	21,481,506	11,805,912	12,692,062	13,984,319	15,377,711	16,883,156	18,423,944	19,992,044	21,557,828
Water Produced (Total)	31,314,090	33,107,343	34,268,674	37,037,079	21,081,986	21,882,865	23,307,198	24,802,760	26,379,931	27,496,423	29,400,085	31,243,230
Water Produced by Project	0	0	0	0	3,253,000	3,012,000	7,137,000	7,613,000	3,904,000	5,375,000	1,313,000	774,000
Water Produced by PDAM	31,314,090	33,107,343	34,268,674	37,037,079	21,081,986	21,882,885	23,307,198	24,802,760	26,379,931	27,498,423	29,400,065	31,243,230
Annual Escalation Rates												
CPI	0	1.0977	1.0924	1.1000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Number of Customers	0	1.1682	1.1065	1.0827	0.5565	1.0499	1.0764	1 0742	1.0723	1.0710	1.0701	1.0686
Water Sold	0	0.9751	1.0616	1.0444	0.5496	1.0751	1.1018	1.0996	1.0979	1 0913	1.0851	1.0783
Water Produced(Total)	0	1.0573	1.0351	1.0808	0.5692	1 0380	1.0651	1.0642	1.0636	1 0424	1.0692	1.0627
Water Produced by Project	0	0.0000	0.0000	0.0000	0 0000	0 9259	2.3695	1.0667	0 5128	1.3768	0 2443	0.5895
Water Produced by PDAM	0	1.0573	1.0351	1.0808	0.5692	1 0380	1.0651	1.0642	1.0636	1.0424	1 0692	1.0827
CPI/Water Produced	0	1.1606	1.1307	1.1889	0.5692	1 0380	1.0651	1.0642	1.0636	1.0424	1.0692	1.0627
CPI/Water Produced by Project	0	0.0000	0.0000	0.0000	0.0000	0 9259	2.3895	1.0667	0.5128	1.3768	0 2443	0.5895
CPI/Water Produced by PDAM	0	1.1606	1.1307	1.1889	0.5692	1.0380	1.0651	1.0642	1.0636	1 0424	1 0692	1.0627
CPI/Customers	0	1.2823	1.2087	1.1909	0.5565	1.0499	1.0764	1.0742	1.0723	1.0710	1 0701	1.0686

PDAM KODYA XYZ
ABC CONCESSION
PDAM Total Plant
(Rp 000) /Scenario :

	Historical 1994	Historical 1995	Historical 1996	Budget 1997	Projected 1998	Projected 1999	Projected 2000	Projected 2001	Projected 2002	Projected 2003	Projected 2004	Projected 2005	Projected 2006	Projected 2007	Projected 2008	Projected 2009
Land and Land Improvement	449,842	449,842	449,842	451,342	451,342	451,342	451,342	451,342	451,342	451,342	451,342	451,342	451,342	451,342	451,342	451,342
Water Resources																
Building	73,509	73,509	93,362	94,102	94,102	94,102	94,102	94,102	94,102	94,102	94,102	94,102	94,102	94,102	94,102	94,102
Reservoir	1,641,913	1,641,913	1,895,296	1,895,296	1,895,296	1,895,296	2,421,296	3,481,296	4,548,296	5,613,296	6,678,296	7,734,296	8,782,296	9,823,296	10,858,296	11,519,296
Installation	2,542,763	2,542,763	2 542,763	2,572,413	2,572,413	2 572,413	2,572,413	2,572,413	2,572,413	2,572,413	2,572,413	2,572,413	2 572 413	2,572,413	2 572,413	2,572,413
Total Water Resources	4,258,185	4,258,185	4,531,421	4,561 811	4,561,811	4,561,811	5,087,811	6,147,811	7,214,811	8,279,811	9,344 811	10,400,811	11,448 811	12,489,811	13,524 811	14,185,811
Pumps																
Building	5,588,652	5,588,652	5,929,114	5,929,114	5,929,114	5,929,114	5,929,114	5,929,114	5,929,114	5,929,114	5,929,114	5,929,114	5,929,114	5,929,114	5,929,114	5,929,114
Other Installation	46,736	46,736	46,736	46,736	46,736	46,736	46,736	46,736	46,736	46,736	46,736	46,736	46,736	46,736	46,736	46,736
Total Pumps	5,635,388	5,635,388	5,975,850	5,975,850	5,975,850	5,975 850	5,975,850	5,975,850	5,975,850	5 975 850	5,975,850	5,975,850	5 975,850	5,975,850	5,975,850	5,975 850
Water Processing																
Building	33,897	302,206	321,848	321,848	321,848	321,848	321,848	321,848	321,848	321,848	321,848	321,848	321,848	321,848	321,848	321,848
Reservoir	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Installation	375,996	110,822	110 822	110,822	110 822	110,822	110,822	110,822	110,822	110 822	110,822	110,822	110,822	110 822	110,822	110,822
Total Water Processing	409,893	413,028	432,670	432,670	432,670	432,670	432,670	432,670	432,670	432,670	432 670	432,670	432,670	432,670	432,670	432,670
Transmission & Distribution																
Building	14,842,783	17,441,736	19,771,930	21,158,368	21,158,368	21,158,368	21,158,368	21,158,368	21,158,368	21,158,368	21,158,368	21,158,368	21,158,368	21,158,368	21,158,368	21,158,368
Reservoir	1,105,910	1,427,855	1,634,452	1,855,052	1 855,052	1 855,052	1,855,052	1,855,052	1,855,052	1,855,052	1,855,052	1,855,052	1,855,052	1,855 052	1,855,052	1,855,052
Installation	8,820,441	8 820,441	9,973 207	10 088,876	10,088,876	13 039,876	19,105,876	27,370 876	34,722,876	46,762,876	63 685,876	76,162,876	84,290 876	101,186,876	109 988,876	119,171,876
Total Trans. & Distribution	24,569,134	27,690,032	31,379,589	33,102,297	33,102,297	36,053,297	42,119,297	50,384,297	57,736,297	69,776,297	86,699,297	99,176,297	107,304,297	124,200,297	132,982,297	142,185,297
General Plant																
Buildings	237,309	357,739	3,830,105	4,058,204	4,058,204	4,058,204	4,058,204	4,058,204	4,058,204	4,058,204	4,058,204	4,058,204	4,058,204	4,058,204	4,058,204	4 058,204
Tools & Equipment	97,889	97,889	1,253,514	168,498	168,498	168,498	168,498	168,498	168,498	168,498	168,498	168,498	168,498	168,498	168,498	168,498
Means of Transportation	409,376	505,675	585,706	910,064	910,064	910,064	910,064	910,064	910,064	910,064	910,064	910,064	910,064	910,064	910,064	910,064
Office Furniture	599,463	686,177	97,889	1,381,201	1,381,201	1,381,201	1,381,201	1,381,201	1,381,201	1,381,201	1,381,201	1,381,201	1,381,201	1,381,201	1,381,201	1,381,201
Office Equipment	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Other	189,040	189,040	189,040	189,040	189,040	189,040	189,040	189,040	189,040	189,040	189,040	189,040	189,040	189 040	189,040	189,040
Total General Plant	1,533,077	1,836,520	5,956,254	6,707,007	6,707,007	6,707,007	6,707,007	6,707,007	6,707,007	6,707,007	6,707,007	6,707,007	6,707,007	6,707,007	6,707,007	6,707,007
Waste Water Plant	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Plant	36 855,519	40 282,995	48,725 626	51 230,977	51,230,977	54,181,977	60,773,977	70,098,977	78,517,977	91 622,977	109,610,977	123,143 977	132,319,977	150,256,977	160,073,977	169 937,977
PDAM Plant Additions																
Land and Land Improvement	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-
Water Resources																
Building	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-
Reservoir	0	0	0	0	-	526,000	1,060,000	1,067,000	1,065,000	1,065,000	1,056,000	1,048,000	1,041,000	1,035,000	661,000	744,000
Installation	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-
Total Water Resources	0	0	0	0	-	526,000	1,060,000	1,067,000	1,065,000	1,065,000	1,056,000	1,048,000	1,041,000	1,035,000	661,000	744,000
Pumps																
Building	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-
Other Installation	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-
Total Pumps	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-
Water Processing																
Building	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-
Reservoir	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-
Installation	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-
Total Water Processing	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-
Transmission & Distribution																
Building	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-
Reservoir	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-
Installation	0	0	0	0	2,951,000	6,066,000	8,265,000	7,352,000	12,040,000	16 923,000	12,477,000	8,128 000	16,896,000	8,782,000	9,203,000	18,455,000
Total Trans. & Distribution	0	0	0	0	2,951,000	6,066,000	8,265,000	7,352,000	12,040,000	16,923,000	12,477,000	8,128,000	16,896,000	8,782,000	9,203,000	18,455,000
General Plant																
Buildings	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-
Tools & Equipment	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-
Means of Transportation	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-
Office Furniture	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-
Office Equipment	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-
Other	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-
Total General Plant	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-
Waste Water Plant	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Additions	-	-	-	-	2,951,000	6,592,000	9,325,000	8 419 000	13,105,000	17,988 000	13 533,000	9 176,000	17,937,000	9,817,000	9,864,000	19,199,000

PDAM KODYA XYZ
ABC CONCESSION
PDAM Total Plant
(Rp 000) /Scenario :

	Historical 1994	Historical 1995	Historical 1996	Budget 1997	Projected 1998	Projected 1999	Projected 2000	Projected 2001	Projected 2002	Projected 2003	Projected 2004	Projected 2005	Projected 2006	Projected 2007	Projected 2008	Projected 2009
Accumulated Depreciation	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009
Land and Land Improvement	0															
Water Resources																
Building	37,290	39,784	43,249	46,712	50,175	54,881	59,586	64,291	68,996	73,701	78,406	83,111	87,816	92,521	97,226	101,932
Reservoir	220,734	301,742	393,146	512,838	632,529	727,294	848,359	1,022,424	1,249,838	1,530,503	1,864,418	2 251,133	2,690,246	3,181,412	3,724,327	4,300,292
Installation	1,741,300	1,831,702	1,915,833	1,966,299	2,016,765	2,274,006	2,505,523	2,713,689	2,901,418	3,070,194	3,222,092	3 358 801	3,481,839	3,592,572	3,692,233	3,781,928
Total Water Resources	1,999,324	2,173,228	2,352,228	2,525,849	2,699,470	3,056,181	3,413,468	3,800,603	4,220,252	4,674,398	5,164,916	5,693 045	6,259,902	6,866,506	7,513,787	8,184,151
Pumps																
Building	2,005,929	2,848,248	3,662,097	4,187,857	4,713,618	5,010,072	5,306,528	5,602,983	5,899 439	6,195,895	6,492,350	6,788,806	7,085,262	7,381,718	7,678,173	7,974,629
Other Installation	46,736	46,736	46,736	46,736	46,736	51,410	55,616	59 401	62,809	65,875	68,635	71,118	73 354	75,366	77,176	78,806
Total Pumps	2,052,665	2,892,984	3,708,833	4,234,593	4,760,352	5,061,482	5 362,143	5,662,385	5,962,248	6,261,770	6,560,985	6,859,924	7,158,615	7,457,083	7,755,349	8,053,435
Water Processing																
Building	96,166	96,166	96,166	96,166	96,166	112,258	128,351	144,443	160,536	176,628	192,720	208,813	224,905	240,998	257,090	273,182
Reservoir	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Installation	110,822	177,696	216,170	245,025	273,880	273,880	273,880	273,880	273,880	273,880	273,880	273,880	273 880	273,880	273,880	273 880
Total Water Processing	206,988	273,862	312,336	341,191	370 046	386,139	402,231	418,324	434,416	450,508	466,601	482,693	498,786	514 878	530,970	547,063
Transmission & Distribution																
Building	0	0	0	0	0	1,057,918	2,115,837	3,173,755	4,231,674	5,289,592	6,347,510	7,405,429	8,463,347	9 521,266	10,579,184	11,637,102
Reservoir	0	0	0	0	0	92,753	185,505	278,258	371,010	463,763	556,516	649 268	742,021	834,774	927,526	1,020,279
Installation	9,050,694	11,067,402	13 237,183	15,367,829	17,498,474	18 802,462	20,582,651	23 011,321	25,932,324	29,765 226	34,907,139	40 782 560	46,883 239	54,063,450	61,403 840	68,930 491
Total Trans. & Distribution	9,050,694	11,067,402	13,237,183	15,367,829	17,498,474	19,953,133	22,883,993	26,463,334	30,535,008	35,518,581	41,811,165	48,837,257	56,088,607	64,419,489	72,910 550	81,587,872
General Plant																
Buildings	84,839	123,755	313,406	517,400	721,394	924,304	1,127,214	1,330,125	1,533,035	1,735,945	1,938,855	2,141,765	2,344,678	2,347,588	2,750,498	2,953,406
Tools & Equipment	68,063	75,520	81,113	85,307	89,501	173,750	215,874	238,936	247,468	252,733	255,366	256,682	257,340	257,670	257,834	257 916
Means of Transportation	282,728	341,348	413,160	558,439	703,718	1,156,751	1,386,267	1,500,025	1,556,904	1,585,343	1,599,563	1,606,673	1,610,228	1,612,005	1,612,894	1,613,338
Office Furniture	503,770	594,641	923,607	1,137,320	1,351,033	2,041,633	2,386,933	2,559,583	2,645,908	2,689,071	2,710,652	2,721,443	2,726,838	2,729,536	2,730,885	2,731,559
Office Equipment	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Other	188,940	188 975	189,010	189 045	189,080	283,600	330,860	354,490	366,305	372,212	375,166	376,643	377,382	377,751	377,935	378,028
Total General Plant	1,128,338	1,324,237	1,920,296	2,487,511	3,054,726	4,582,037	5,447,148	5,981,159	6,349,619	6,635,305	6,879,603	7,103,206	7,316,464	7,524,547	7,730,044	7,934,248
Waste Water	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Accumulated Depreciation	14 438 009	17,731,713	21,530,876	24 956,972	28,383,068	33,038 971	37,508 984	42,325 804	47,501,543	53,540,562	60,883,269	68,976,126	77,322,374	86,782,504	96,440,701	106,306,768

PDAM KODYA XYZ
ABC CONCESSION
PDAM Depreciation Expense
(Rp 000) /Scenario :

	Depreciation Method	Service Live	Historical 1994	Historical 1995	Historical 1996	Budget 1997	Projected 1998	Projected 1999	Projected 2000	Projected 2001	Projected 2002	Projected 2003
DEPRECIATION EXPENSE												
Land and Land Improvement	NA	NA	0	0	0	0	0	0	0	0	0	0
Water Resources												
Building	SL	20	2,494	2,494	3,465	3,463	4,705	4,705	4,705	4,705	4,705	4,705
Reservoir	SL	20	81,278	81,008	91,404	119,692	94,765	121,065	174,065	227,415	280,665	333,915
Installation	DDB	10%	97,369	90,402	84,131	50,466	257,241	231,517	208,365	187,529	168,776	151,898
Total Water Resources			181,141	173,904	179,000	173,621	356,711	357,287	387,135	419,649	454,146	490,518
Pumps												
Building	SL	20	1,116,685	840,319	815,849	525,760	296,456	296,456	296,456	296,456	296,456	296,456
Other Installation	DDB	10%	0	0	0	0	4,674	4,206	3,786	3,407	3,066	2,760
Total Pumps			1,116,685	840,319	815,849	525,760	301,129	300,662	300,241	299,863	299,522	299,215
Water Processing												
Building	SL	20	0	0	0	0	16,092	16,092	16,092	16,092	16,092	16,092
Reservoir	SL	20	0	0	0	0	0	0	0	0	0	0
Installation	DDB	10%	67,635	66,874	38,474	28,855	0	0	0	0	0	0
Total Water Processing			67,635	66,874	38,474	28,855	16,092	16,092	16,092	16,092	16,092	16,092
Transmission & Distribution												
Building	SL	20	0	0	0	0	1,057,918	1,057,918	1,057,918	1,057,918	1,057,918	1,057,918
Reservoir	SL	20	0	0	0	0	92,753	92,753	92,753	92,753	92,753	92,753
Installation	DDB	10%	1,699,041	2,016,708	2,169,781	2,130,646	1,303,988	1,780,189	2,428,670	2,921,003	3,832,903	5,141,912
Total Trans. & Distribution			1,699,041	2,016,708	2,169,781	2,130,646	2,454,659	2,930,860	3,579,341	4,071,674	4,983,574	6,292,583
General Plant												
Buildings	SL	20	10,011	38,916	189,651	203,994	202,910	202,910	202,910	202,910	202,910	202,910
Tools & Equipment	DDB	50%	9,942	7,457	5,593	4,194	84,249	42,124	21,062	10,531	5,266	2,633
Means of Transportation	DDB	50%	42,217	58,620	71,814	145,279	455,032	227,516	113,758	56,879	28,440	14,220
Office Furniture	DDB	50%	93,398	90,871	328,966	213,713	690,600	345,300	172,650	86,325	43,163	21,561
Office Equipment	DDB	50%	0	0	0	0	0	0	0	0	0	0
Other	DDB	50%	35	35	35	35	94,520	47,260	23,630	11,815	5,908	2,954
Total General Plant			155,603	195,899	596,059	567,215	1,527,312	865,111	534,011	368,460	285,685	244,298
Waste Water	DDB	50%	0	0	0	0	0	0	0	0	0	0
Total Depreciation Expense			3,220,105	3,293,704	3,799,163	3,426,096	4,655,903	4,470,012	4,816,821	5,175,738	6,039,019	7,342,707
AMORTIZATION EXPENSES												
Deferred Charges	SL	5	0	0	0	0	0	0	0	0	0	0
Intangible Assets	SL	10	0	0	0	0	0	0	0	0	0	0
Total Amortization Expenses			0	0	0	0	0	0	0	0	0	0

PDAM KODYA XYZ
ABC CONCESSION
PDAM Debt Structure
(Rp 000) /Scenario :

	Source Reference	Historical 1994	Historical 1995	Projected 1996	Projected 1997	Projected 1998	Projected 1999	Projected 2000	Projected 2001	Projected 2002	Projected 2003	Projected 2004
Domestic Loans	Debt											
Total LT-Debt Outstanding	Schedules	12,074,821	11,481,687	10,424,811	9,700,566	8,840,281	7,963,944	7,070,204	6,157,591	5,224,514	4,269,247	3,453,571
Total Outstanding IDG	Schedules	2,216,209	3,162,727	3,353,597	3,353,597	3,122,314	2,891,032	2,659,749	2,428,467	2,197,184	1,965,902	1,734,619
Total Interest During Grace		0	0	231,283	231,283	231,283	231,283	231,283	231,283	231,283	231,283	231,283
Total Principal Repayment		130,499	593,135	1,056,875	839,915	860,286	876,336	893,741	912,613	933,077	955,267	669,969
Total Interest Expenses		200,148	186,256	793,999	1,132,663	861,494	785,372	707,895	628,951	548,415	466,154	369,732
Total Installment		330,647	779,390	1,850,875	1,972,578	1,721,780	1,661,708	1,601,636	1,541,564	1,481,492	1,421,420	1,039,701
Offshore Loans	Debt											
Total LT-Debt Outstanding	Schedules	0	0	0	0	0	0	0	0	0	0	0
Total Outstanding IDG	Schedules	0	0	0	0	0	0	0	0	0	0	0
Total Interest During Grace		0	0	0	0	0	0	0	0	0	0	0
Total Principal Repayment		0	0	0	0	0	0	0	0	0	0	0
Total Interest Expenses		0	0	0	0	0	0	0	0	0	0	0
Total Installment		0	0	0	0	0	0	0	0	0	0	0

PDAM KODYA XYZ
ABC CONCESSION
PDAM Debt Structure
(Rp 000) /Scenario :

		1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009
Loan # 1 - Declining Installment		4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
Loan 1 Name	DDI																
Loan 1 O/S Balance Input		10,049 534	9,598,908	8,697,654	8,143,353	-	-	-	-	-	-	-	-	-	-	-	-
Loan 1 Historical Interest Expenses		-	-	620,204	972,473	-	-	-	-	-	-	-	-	-	-	-	-
Loan 1 Historical Principal Repayment		-	142,508	901,253	669 971	-	-	-	-	-	-	-	-	-	-	-	-
Loan 1 O/S Balance IDG Input		2,216,209	3,162,727	3,353,597	3,353,597	-	-	-	-	-	-	-	-	-	-	-	-
Loan 1 Principal	10,049,534																
Loan 1 Start Date	01-May-1991																
Loan 1 Term	20																
Loan 1 Expire Date	01-May-2010																
Loan 1 Grace Period Term	5																
Loan 1 GP Expire Date	01-May-1996																
Loan 1 Interest Rate	8 97%																
Loan 1 Interest During Grace		0	0	231,283	231,283	231,283	231,283	231,283	231,283	231,283	231,283	231,283	231,283	231,283	231,283	231,283	231,283
Loan 1 IDG Balance	3,469,238	2,216,209	3,162,727	3,353,597	3,353,597	3,122,314	2 891 032	2,659,749	2,428,467	2,197,184	1,965 902	1,734,619	1,503,337	1,272 054	1,040,772	809,489	578,207
Loan 1 Interest Expense		0	0	620 204	972,473	730,163	670,091	610,019	549,948	489,876	429,804	369,732	309 660	249,588	189,516	129,444	69,372
Loan 1 Principal Repayment		0	142 508	901,253	669,971	669,969	669,969	669,969	669,969	669,969	669,969	669,969	669,969	669 969	669,969	669,969	669,969
Loan 1 Installment		0	0	1,521 457	1,642,444	1,400,132	1,340,060	1,279,988	1,219,916	1,159,845	1,099,773	1,039,701	979 629	919,557	859 485	799,413	739,341
Loan 1 Outstanding Balance		10,049,534	9,598,908	8 697,654	8,143,353	7,473,384	6,803,415	6,133,446	5,463,477	4 793 508	4,123,540	3 453,571	2,783 602	2,113,633	1,443,664	773,695	103,726
Loan 1 Administrative Expenses	-	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Loan # 2 - Declining Installment		95	96	97	98	99	100	101	102	103	104	105	106	107	108	109	110
Loan 2 Name	0																
Loan 2 O/S Balance Input		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Loan 2 Historical Interest Expenses		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Loan 2 Historical Principal Repayment		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Loan 2 O/S Balance IDG Input		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Loan 2 Principal	-																
Loan 2 Start Date	00-Jan-1900																
Loan 2 Term	-																
Loan 2 Expire Date	13-Jul-1998																
Loan 2 Grace Period Term	-																
Loan 2 GP Expire Date	13-Jul-1998																
Loan 2 Interest Rate	0 00%																
Loan 2 Interest During Grace		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Loan 2 IDG Balance	-	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Loan 2 Interest Expense		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Loan 2 Principal Repayment		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Loan 2 Installment		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Loan 2 Outstanding Balance	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Loan 2 Administrative Expenses	-	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Loan # 3 - Declining Installment		95	96	97	98	99	100	101	102	103	104	105	106	107	108	109	110
Loan 3 Name	0																
Loan 3 O/S Balance Input		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Loan 3 Historical Interest Expenses		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Loan 3 Historical Principal Repayment		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Loan 3 O/S Balance IDG Input		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Loan 3 Principal	-																
Loan 3 Start Date	00-Jan-1900																
Loan 3 Term	-																
Loan 3 Expire Date	13-Jul-1998																
Loan 3 Grace Period Term	-																
Loan 3 GP Expire Date	13-Jul-1998																
Loan 3 Interest Rate	0 00%																
Loan 3 Interest During Grace		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Loan 3 IDG Balance	-	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Loan 3 Interest Expense		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Loan 3 Principal Repayment		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Loan 3 Installment		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Loan 3 Outstanding Balance	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Loan 3 Administrative Expenses	-	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Loan # 4 - Declining Installment		95	96	97	98	99	100	101	102	103	104	105	106	107	108	109	110
Loan 4 Name	0																
Loan 4 O/S Balance Input		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Loan 4 Historical Interest Expenses		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Loan 4 Historical Principal Repayment		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Loan 4 O/S Balance IDG Input		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Loan 4 Principal	-																
Loan 4 Start Date	00-Jan-1900																
Loan 4 Term	-																
Loan 4 Expire Date	13-Jul-1998																
Loan 4 Grace Period Term	-																
Loan 4 GP Expire Date	13-Jul-1998																
Loan 4 Interest Rate	0 00%																
Loan 4 Interest During Grace		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Loan 4 IDG Balance	-	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Loan 4 Interest Expense		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Loan 4 Principal Repayment		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Loan 4 Installment		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Loan 4 Outstanding Balance	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Loan 4 Administrative Expenses	-	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

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PDAM KODYA XYZ
ABC CONCESSION
PDAM Debt Structure
(Rp 000) /Scenario :

		1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009
Loan # 5 - Declining Installment		95	96	97	98	99	100	101	102	103	104	105	106	107	108	109	110
Loan 5 Name	0																
Loan 5 O/S Balance Input		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Loan 5 Historical Interest Expenses		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Loan 5 Historical Principal Repayment		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Loan 5 O/S Balance IDG Input		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Loan 5 Principal	-																
Loan 5 Start Date	00-Jan-1900																
Loan 5 Term	-																
Loan 5 Expire Date	13-Jul-1998																
Loan 5 Grace Period Term	-																
Loan 5 GP Expire Date	13-Jul-1998																
Loan 5 Interest Rate	0 00%																
Loan 5 Interest During Grace		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Loan 5 IDG Balance	-	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Loan 5 Interest Expense		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Loan 5 Principal Repayment		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Loan 5 Installment		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Loan 5 Outstanding Balance		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Loan 5 Administrative Expenses	-	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Loan # 6 - Fixed Installment		16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
Loan 6 Name	IBRD																
Loan 6 O/S Balance Input		2,025,287	1,882,779	1,727,157	1,557,213	-	-	-	-	-	-	-	-	-	-	-	-
Loan 6 Historical Interest Expenses		200,148	186 256	173,796	160,190	-	-	-	-	-	-	-	-	-	-	-	-
Loan 6 Historical Principal Repayment		130,499	450,627	155 622	169 944	-	-	-	-	-	-	-	-	-	-	-	-
Loan 6 O/S Balance IDG Input		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Loan 6 Principal	3,056 607																
Loan 6 Start Date	31-Jul-1979																
Loan 6 Term	25																
Loan 6 Expire Date	31-Jul-2003																
Loan 6 Grace Period Term	5																
Loan 6 GP Expire Date	31-Jul-1984																
Loan 6 Interest Rate	8 43%																
Loan 6 Interest During Grace	-	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Loan 6 IDG Balance	-	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Loan 6 Interest Expense		200,148	186,256	173,796	160,190	131,331	115,280	97,876	79,003	58,540	36,350	0	0	0	0	0	0
Loan 6 Principal Repayment		130,499	450,627	155 622	169,944	190,317	206,367	223 772	242 644	263,106	285,298	0	0	0	0	0	0
Loan 6 Installment		330,647	636,882	329,418	330 134	321,648	321,648	321,648	321,648	321,648	321,648	0	0	0	0	0	0
Loan 6 Outstanding Balance		2,025,287	1,882,779	1,727,157	1,557,213	1,366,896	1,160,529	936,757	694,113	431,005	145,707	-	-	-	-	-	-
Loan 6 Administrative Expenses	300,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Loan # 7 - Fixed Installment		95	96	97	98	99	100	101	102	103	104	105	106	107	108	109	110
Loan 7 Name	0																
Loan 7 O/S Balance Input		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Loan 7 Historical Interest Expenses		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Loan 7 Historical Principal Repayment		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Loan 7 O/S Balance IDG Input		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Loan 7 Principal	-																
Loan 7 Start Date	00-Jan-1900																
Loan 7 Term	-																
Loan 7 Expire Date	13-Jul-1998																
Loan 7 Grace Period Term	-																
Loan 7 GP Expire Date	13-Jul-1998																
Loan 7 Interest Rate	0 00%																
Loan 7 Interest During Grace		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Loan 7 IDG Balance	-	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Loan 7 Interest Expense		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Loan 7 Principal Repayment		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Loan 7 Installment		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Loan 7 Outstanding Balance		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Loan 7 Administrative Expenses	-	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Loan # 8 - Fixed Installment		95	96	97	98	99	100	101	102	103	104	105	106	107	108	109	110
Loan 8 Name	0																
Loan 8 O/S Balance Input		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Loan 8 Historical Interest Expenses		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Loan 8 Historical Principal Repayment		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Loan 8 O/S Balance IDG Input		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Loan 8 Principal	-																
Loan 8 Start Date	00-Jan-1900																
Loan 8 Term	-																
Loan 8 Expire Date	13-Jul-1998																
Loan 8 Grace Period Term	-																
Loan 8 GP Expire Date	13-Jul-1998																
Loan 8 Interest Rate	0.00%																
Loan 8 Interest During Grace		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Loan 8 IDG Balance	-	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Loan 8 Interest Expense		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Loan 8 Principal Repayment		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Loan 8 Installment		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Loan 8 Outstanding Balance		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Loan 8 Administrative Expenses	-	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

BEST AVAILABLE COPY

PDAM KODYA XYZ
ABC CONCESSION
PDAM Debt Structure
(Rp 000) /Scenario :

		1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009
Loan # 9 - Fixed Installment		95	96	97	98	99	100	101	102	103	104	105	106	107	108	109	110
Loan 9 Name	0																
Loan 9 O/S Balance Input		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Loan 9 Historical Interest Expenses		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Loan 9 Historical Principal Repayment		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Loan 9 O/S Balance IDG Input		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Loan 9 Principal	-																
Loan 9 Start Date	00-Jan-1900																
Loan 9 Term	-																
Loan 9 Expire Date	13-Jul-1998																
Loan 9 Grace Period Term	-																
Loan 9 GP Expire Date	13-Jul-1998																
Loan 9 Interest Rate	0 00%																
Loan 9 Interest During Grace		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Loan 9 IDG Balance	-	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Loan 9 Interest Expense		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Loan 9 Principal Repayment		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Loan 9 Installment		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Loan 9 Outstanding Balance		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Loan 9 Administrative Expenses	-	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Loan # 10 - Fixed Installment		95	96	97	98	99	100	101	102	103	104	105	106	107	108	109	110
Loan 10 Name	0																
Loan 10 O/S Balance Input		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Loan 10 Historical Interest Expenses		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Loan 10 Historical Principal Repayment		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Loan 10 O/S Balance IDG Input		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Loan 10 Principal	-																
Loan 10 Start Date	00-Jan-1900																
Loan 10 Term	-																
Loan 10 Expire Date	13-Jul-1998																
Loan 10 Grace Period Term	-																
Loan 10 GP Expire Date	13-Jul-1998																
Loan 10 Interest Rate	0 00%																
Loan 10 Interest During Grace		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Loan 10 IDG Balance	-	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Loan 10 Interest Expense		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Loan 10 Principal Repayment		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Loan 10 Installment		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Loan 10 Outstanding Balance		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Loan 10 Administrative Expenses	-	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Loan # 11 - Fixed Installment		95	96	97	98	99	100	101	102	103	104	105	106	107	108	109	110
Loan 11 Name	0																
Loan 11 O/S Balance Input		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Loan 11 Historical Interest Expenses		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Loan 11 Historical Principal Repayment		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Loan 11 O/S Balance IDG Input		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Loan 11 Principal	-																
Loan 11 Start Date	00-Jan-1900																
Loan 11 Term	-																
Loan 11 Expire Date	13-Jul-1998																
Loan 11 Grace Period Term	-																
Loan 11 GP Expire Date	13-Jul-1998																
Loan 11 Interest Rate	0 00%																
Loan 11 Interest During Grace		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Loan 11 IDG Balance	-	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Loan 11 Interest Expense		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Loan 11 Principal Repayment		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Loan 11 Installment		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Loan 11 Outstanding Balance		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Loan 11 Administrative Expenses	-	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Offshore Loan

(Rp 000) /Scenario :

		1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009
Loan # 12 - Declining Installment		95	96	97	98	99	100	101	102	103	104	105	106	107	108	109	110
Loan 12 Name	0																
Loan 12 O/S Balance Input		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Loan 12 Historical Interest Expenses		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Loan 12 Historical Principal Repayment		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Loan 12 O/S Balance IDG Input		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Loan 12 Principal	-																
Loan 12 Start Date	00-Jan-1900																
Loan 12 Term	-																
Loan 12 Expire Date	13-Jul-1998																
Loan 12 Grace Period Term	-																
Loan 12 GP Expire Date	13-Jul-1998																
Loan 12 Interest Rate	0 00%																
Loan 12 Interest During Grace		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Loan 12 IDG Balance	-	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Loan 12 Interest Expense		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Loan 12 Principal Repayment		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Loan 12 Installment		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Loan 12 Outstanding Balance		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Loan 12 Administrative Expenses	-	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

		95	96	97	98	99	100	101	102	103	104	105	106	107	108	109	110
Loan # 13 - Declining Installment																	
Loan 13 Name	0																
Loan 13 O/S Balance Input		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Loan 13 Historical Interest Expenses		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Loan 13 Historical Principal Repayment		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Loan 13 O/S Balance IDG Input		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Loan 13 Principal	-																
Loan 13 Start Date	00-Jan-1900																
Loan 13 Term	-																
Loan 13 Expire Date	13-Jul-1998																
Loan 13 Grace Period Term	-																
Loan 13 GP Expire Date	13-Jul-1998																
Loan 13 Interest Rate	0 00%																
Loan 13 Interest During Grace		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Loan 13 IDG Balance	-	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Loan 13 Interest Expense		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Loan 13 Principal Repayment		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Loan 13 Installment		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Loan 13 Outstanding Balance		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Loan 13 Administrative Expenses	-	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

		95	96	97	98	99	100	101	102	103	104	105	106	107	108	109	110
Loan # 14 - Fixed Installment																	
Loan 14 Name	0																
Loan 14 O/S Balance Input		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Loan 14 Historical Interest Expenses		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Loan 14 Historical Principal Repayment		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Loan 14 O/S Balance IDG Input		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Loan 14 Principal	-																
Loan 14 Start Date	00-Jan-1900																
Loan 14 Term	-																
Loan 14 Expire Date	13-Jul-1998																
Loan 14 Grace Period Term	-																
Loan 14 GP Expire Date	13-Jul-1998																
Loan 14 Interest Rate	0 00%																
Loan 14 Interest During Grace		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Loan 14 IDG Balance	-	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Loan 14 Interest Expense		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Loan 14 Principal Repayment		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Loan 14 Installment		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Loan 14 Outstanding Balance		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Loan 14 Administrative Expenses	-	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

		95	96	97	98	99	100	101	102	103	104	105	106	107	108	109	110
Loan # 15 - Fixed Installment																	
Loan 15 Name	0																
Loan 15 O/S Balance Input		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Loan 15 Historical Interest Expenses		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Loan 15 Historical Principal Repayment		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Loan 15 O/S Balance IDG Input		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Loan 15 Principal	-																
Loan 15 Start Date	00-Jan-1900																
Loan 15 Term	-																
Loan 15 Expire Date	13-Jul-1998																
Loan 15 Grace Period Term	-																
Loan 15 GP Expire Date	13-Jul-1998																
Loan 15 Interest Rate	0 00%																
Loan 15 Interest During Grace		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Loan 15 IDG Balance	-	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Loan 15 Interest Expense		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Loan 15 Principal Repayment		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Loan 15 Installment		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Loan 15 Outstanding Balance		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Loan 15 Administrative Expenses	-	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

PDAM KODYA XYZ
ABC CONCESSION
Financial Summary Data

Project 1 Summary Statistics	
Annual Water Sales (000 m3)	11,000,670
Water Sales Tariff (Rp/m3)	1,192
Construction Start Date	1998
Start Date of Project	1998
IRR	15 45%
NPV	(7,297,249)
Project 1 Financing Plan	
Total Public Participation	0.00%
- Public Equity	0 00%
- Public Debt	0 00%
Total Private Participation	262.77%
- Private Equity	30.00%
- Private Debt	232.77%

Project 2 Summary Statistics	
Annual Water Sales (000 m3)	11,000,670
Water Sales Tariff (Rp/m3)	1,192
Construction Start Date	2001
Start Date of Project	2000
IRR	12.20%
NPV	(6,143,869)
Project 1 Financing Plan	
Total Public Participation	0 00%
- Public Equity	0 00%
- Public Debt	0 00%
Total Private Participation	250 71%
- Private Equity	30 00%
- Private Debt	220 71%

PDAM KODYA XYZ
ABC CONCESSION
Project 1 Balance Sheet
*(Rp 000) /Scenario : **

	Projected 1998	Projected 1999	Projected 2000	Projected 2001	Projected 2002	Projected 2003	Projected 2004	Projected 2005	Projected 2006	Projected 2007	Projected 2008	Projected 2009	Projected 2010	Projected 2011
Assets														
Current Assets														
Cash/Demand Deposits	(161,971)	3,289,115	8,682,728	15,973,746	28,689,252	37,745,529	48,216,931	59,723,685	72,078,156	57,745,420	43,460,909	32,225,178	32,820,250	29,268,561
Receivables-Water	2,226,076	3,000,519	4,311,156	4,717,892	6,729,260	7,384,996	8,042,924	8,689,993	9,322,199	9,935,605	10,581,044	11,276,555	12,078,813	11,924,077
Doubtful Accounts	(111,304)	(150,026)	(215,558)	(235,895)	(336,463)	(369,250)	(402,146)	(434,500)	(466,110)	(496,780)	(529,052)	(563,828)	(603,941)	(596,204)
Receivables to PDAM	800,000	900,000	1,000,000	1,200,000	1,320,000	1,452,000	1,597,200	1,756,920	1,932,612	2,125,873	2,338,461	2,572,307	2,829,537	3,112,491
Repayment from PDAM	(800,000)	(700,000)	(800,000)	(1,000,000)	(1,100,000)	(1,210,000)	(1,331,000)	(1,464,100)	(1,610,510)	(1,771,561)	(1,948,717)	(2,143,589)	(2,357,948)	(2,593,742)
Inventories	359,094	392,364	411,963	432,582	331,533	341,753	360,316	394,444	416,273	437,318	459,167	482,414	508,844	507,977
Total Current Assets	2,511,895	6,731,972	13,390,289	21,088,325	35,633,582	45,345,029	56,486,224	68,666,442	81,672,620	67,975,875	54,361,811	43,849,036	45,275,557	41,623,160
Investments	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Fixed Assets														
Total Plant in Service	13,503,000	27,178,000	38,269,000	48,263,000	73,554,000	103,119,000	122,499,000	147,951,000	173,736,000	188,066,000	211,280,000	232,855,000	244,286,000	260,793,000
Accumulated Depreciation	1,344,750	4,334,688	8,309,563	12,967,563	18,591,750	25,063,000	32,617,750	41,816,500	52,609,063	64,279,500	77,383,063	91,817,313	106,948,250	123,093,125
Net Plant in Service	12,158,250	22,843,313	29,959,438	35,295,438	54,962,250	78,056,000	89,881,250	106,134,500	121,126,938	123,786,500	133,896,938	141,037,688	137,337,750	137,699,875
Other Assets														
Construction Work in Progress	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Materials	538,252	569,802	598,292	628,206	634,488	640,833	647,241	653,714	660,251	666,853	673,522	680,257	687,060	693,930
Deferred Charges	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Accumulated Amortization	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Prepaid Connection Fees	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Prepaid Dividend	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Other Assets	538,252	569,802	598,292	628,206	634,488	640,833	647,241	653,714	660,251	666,853	673,522	680,257	687,060	693,930
TOTAL ASSETS	15,208 397	30,145 086	43,948,019	57,011,968	91 230,320	124,041,862	147,014,715	175,454,656	203 459 808	192 429,228	188,932,270	185,566,981	183,300,367	180,016,966
Liabilities and Equity														
Current Liabilities														
Accounts Payable	545,817	588,212	617,623	647,504	321,530	331,560	349,554	362,397	403,522	423,911	445,083	467,610	493,222	492,444
Accrued Expense	401,797	422,748	443,866	466,080	823,625	827,970	835,880	850,445	859,750	868,720	878,032	887,939	899,204	898,829
Taxes Payable	0	0	0	0	4,414,822	4,933,691	5,400,635	5,900,220	6,241,792	636,082	1,755,870	2,416,640	3,833,923	3,863,773
Royalty Payable	0	0	0	0	2,062,584	2,304,723	2,522,630	2,755,770	2,915,169	299,172	821,739	1,130,098	1,791,497	1,819,427
Maturing Long Term Debt	0	0	0	0	0	0	0	0	0	9,513,055	9,513,055	9,513,055	9,513,055	9,513,055
Short Term Liabilities	256,241	362,458	425,631	541,250	546,663	552,129	557,650	563,227	568,859	574,548	580,293	586,096	591,957	597,877
Total Current Liabilities	1,203,855	1,373,418	1,487,140	1,654,834	8,169,223	8,950,073	9,666,349	10,452,059	10,989,092	12,315,488	13,994,072	15,001,439	17,122,858	17,215,405
Long Term Debt	8,187,000	16,550,400	23,363,400	29,359,800	44,534,400	62,273,400	73,901,400	89,172,600	104 643,600	95,130,545	85,617,491	76,104,436	66,591,382	57,078,327
Other Liabilities														
Unearned Revenue	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Reserve Funds	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Deferred New Connections	143,798	150,925	249,472	280,508	283,313	286,146	289,008	291,898	294,817	297,765	300,743	303,750	306,787	309,855
Miscellaneous Liabilities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Stock of Undefined Status	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Other Liabilities	143,798	150,925	249,472	280,508	283,313	286,146	289,008	291,898	294,817	297,765	300,743	303,750	306,787	309,855
TOTAL LIABILITIES	9,534,653	18,074,743	25,100,012	31,295,142	52,986,936	71,509,619	83,856,757	99,916,556	115,927,509	107,743,798	99,912,305	91,409,625	84,021,027	74,603,587
Equity														
Private Equity	4,093,500	8,275,200	11,681,700	14,878,900	22,267,200	31,136,700	38,950,700	44,566,300	52,321,600	56,620,800	63,565,000	70,057,500	73,466,800	78,438,900
Variance in Reevaluating Fixed Assets	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Government Equity	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retained Earnings	0	1,580,244	3,795,143	7,166,307	4,414,771	8,377,120	10,637,936	13,650,185	16,147,842	18,525,387	18,231,385	13,723,959	13,153,244	13,600,999
Income/Loss in Current Fiscal Year	1,580,244	2,214,900	3,371,164	3,870,620	8,250,335	9,218,891	10,090,519	11,023,078	11,660,678	1,196,687	3,286,957	4,520,394	7,165,989	7,277,709
Less Profit Sharing	0	0	0	0	3,311,078	3,799,532	5,278,803	6,278,536	7,401,979	8,342,556	5,916,622	5,855,503	5,473,306	6,095,770
TOTAL EQUITY	5,673,744	12,070,343	18,848,007	25,716,826	38,243,383	52,532,243	63,157,958	75,538,100	87,532,299	84,685,430	89,019,965	94,157,356	99,279,339	105,413,378
TOTAL LIABILITIES AND EQUITY	15,208 397	30,145,086	43,948,019	57,011,968	91,230,320	124,041,862	147,014,715	175,454 656	203,459,808	192 429,228	188,932,270	185,566,981	183,300,367	180,016,966
Balance	0	0	0	0	0	(0)	0	0	0	0	0	0	0	0

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ABC CONCESSION
Project 1 Cash Flow
*(Rp 000) /Scenario : **

	Source Reference	Projected 1998	Projected 1999	Projected 2000	Projected 2001	Projected 2002	Projected 2003	Projected 2004	Projected 2005	Projected 2006	Projected 2007	Projected 2008
		35.00%	0.00%	30.00%	0 00%	25.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Water Sales-000 m3	Contract	11,000,670	11,691,158	12,780,172	13,893,352	15,409,711	16,942,616	18,478,513	19,990,991	21,465,815	22,892,317	24,387,946
Water Sales Rate-Rp/m3	Contract	1,192	1,192	1,550	1,550	1,937	1,937	1,937	1,937	1,937	1,937	1,937
Bulk Water Purchase from PDAM - 000 m3	Contract	(3,253,000)	(3,012,000)	(3,884,000)	(4,801,000)	(20,000)	(774,000)	(1,293,000)	-	-	-	-
Bulk Water Purchase from PDAM - Rp/m3	Contract	520	450	450	450	450	450	450	-	-	-	-
Bulk Water Sales to PDAM - 000 m3	Contract	-	-	-	-	-	-	-	-	-	860,000	1,456,000
Bulk Water Sales to PDAM - Rp/m3	Contract	-	-	-	-	-	-	-	-	-	1,157	977
PROJECT NET INCOME												
Project Revenues												
Revenues from Water Sales	Rates & Revenue	13,128,633	13,951,748	19,820,415	21,545,510	30,730,956	33,725,552	36,730,153	39,685,167	42,572,304	45,373,584	48,321,154
Bulk Purchase from PDAM		(1,691,560)	(1,355,400)	(1,747,800)	(2,070,450)	(9,000)	(348,300)	(581,850)	0	0	0	0
Bulk Sales to PDAM		0	0	0	0	0	0	0	0	0	995,020	1,422,512
Total Project Revenues		11,437,073	12,596,348	18,072,615	19,475,060	30,721,956	33,377,252	36,148,303	39,685,167	42,572,304	46,368,604	49,743,666
Less.												
Operation and Maintenance Expense	O & M	8,017,019	6,737,786	9,733,786	9,828,786	10,205,026	10,267,197	10,380,119	10,587,734	10,720,526	10,848,553	10,981,467
Rental	O & M	100,000	100,000	150,000	150,000	165,000	181,500	199,650	219,615	241,577	265,734	292,308
Interest/Return Payment	Cost & Financing	0	0	0	0	0	0	0	0	0	21,451,938	19,501,762
Depreciation Expense	Total Plant	1,344,750	2,989,938	3,974,875	4,658,000	5,624,188	6 471,250	7,554,750	9,198,750	10,792,563	11,670,438	13,103,563
Total Project Expenses		9,461,769	9,827,723	13,858 661	14,636,786	15,994,215	16 919,947	18,134,519	20,006,099	21,754,665	44,236,663	43,879,099
Pre-Tax Net Income		1,975,304	2,768,625	4,213,954	4,838,274	14,727,741	16,457,305	18,013,783	19,679,068	20,817,639	2,131,941	5,864,567
Less: Income Tax		0	0	0	0	4,414,822	4,933,691	5,400,635	5,900,220	6,241,792	636,082	1,755,870
Net Income After Tax		1,975,304	2,768,625	4,213,954	4,838,274	10,312,919	11,523,613	12,613,148	13,778,848	14,575,847	1,495,859	4,108,697
Less Royalty		395,061	553,725	842,791	967,655	2,062,584	2,304,723	2,522,630	2,755,770	2,915,169	299,172	821,739
PROJECT NET INCOME		1,580,244	2,214,900	3,371,164	3,870,620	8,250,335	9,218,891	10,090,519	11,023,078	11,660,678	1,196,687	3,286,957
PROJECT CASH FLOW												
Project Net Income		1,580,244	2,214,900	3,371,164	3,870,620	8,250,335	9,218,891	10,090,519	11,023,078	11,660,678	1,196,687	3,286,957
Plus.												
Depreciation Expense		1,344,750	2,989,938	3,974,875	4,658,000	5,624,188	6,471,250	7,554,750	9,198,750	10,792,563	11,670,438	13,103,563
Less.												
Principal Payments		0	0	0	0	0	0	0	0	0	9,513,055	9,513,055
Total Project Operating Cash Flow		2,924,994	5,204,837	7,346,039	8,528,620	13,874,522	15,690,141	17,645,269	20,221,828	22,453,240	3,354,070	6,877,465
Plus.												
Principal and Interest		0	0	0	0	0	0	0	0	0	30,984,993	29,014,816
Less												
Project Expenditures		13,645,000	13,939,000	11,355,000	9,994,000	25,291,000	29,565,000	19,380,000	25,452,000	25,785,000	14,330,000	23,214,000
TOTAL PROJECT NET CASH FLOW		(10,720,006)	(8,734,163)	(4,008,961)	(1,465,380)	(11,416,478)	(13 874,859)	(1 734,731)	(5,230,172)	(3,331,760)	19,989,063	12,678,282
PROJECT FINANCIAL MEASURES	See Supporting Calculations											
Project Internal Rate of Return	Project Cash Flows	15 45%										
Equity Internal Rate of Return	Equity Cash Flows											
Public Equity		0 00%										
Private Equity		4 2%										
Combined Equity		4 2%										
Net present Value of Return		(7,297,249)										
Average Return on Equity (Actual)		8 78%										
Weighted Average Return on Equity (Desired)												
Equity Years to Payback	Years to Return Investment											
Public Equity		-										
Private Equity		1 23										
Combined		1 23										
Debt Service Coverage Ratio	Net Income Before Debt Service& Depreciation/Debt Service	0 00	0 00	0 00	0.00	0 00	0 00	0.00	0 00	0 00	1.11	1 24

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KODYA XYZ
ABC CONCESSION
Project 1 Cash Flow (Supproting Calculation)
*(Rp 000) /Scenario : **

	Source Reference	Projected 1998	Projected 1999	Projected 2000	Projected 2001	Projected 2002	Projected 2003	Projected 2004	Projected 2005	Projected 2006	Projected 2007	Projected 2008
Public Equity Cash Flow	Cash Distribution Allocation: 0 00%											
Distribution of Project Operating Cash Flow		0	0	0	0	0	0	0	0	0	0	0
Less: Public Equity Contribution		0	0	0	0	0	0	0	0	0	0	0
Public Equity Cash Flows		-	-	-	-	-	-	-	-	-	-	-
		0	0	0	0	0	0	0	0	0	0	0
Public Equity Internal Rate of Return		0 00%										
Private Equity Cash Flow	Cash Distribution Allocation: 30 00%											
Distribution of Project Operating Cash Flow		877,498	1,561,451	2,203,812	2,558,586	4,162,357	4,707,042	5,293,581	6,066,548	6,735,972	1,006,221	2,063,240
Less: Private Equity Contribution		4,093,500	4,181,700	3,406,500	2,998,200	7,587,300	8,869,500	5,814,000	7,635,600	7,735,500	4 299,000	6,964,200
Private Equity Cash Flows		(3,216,002)	(2,620,249)	(1,202,688)	(439,614)	(3,424,943)	(4,162,458)	(520,419)	(1,569,052)	(999,528)	(3,292,779)	(4,900,960)
		0	0	0	0	0	0	0	0	0	0	0
Private Equity Internal Rate of Return		4 15%										
Combined Equity Cash Flow												
Project Operating Cash Flow		877,498	1,561,451	2,203,812	2,558,586	4,162,357	4 707,042	5,293,581	6,066,548	6,735,972	1,006,221	2,063,240
Less Equity Contribution		4,093,500	4,181,700	3,406,500	2,998,200	7,587,300	8,869,500	5,814,000	7,635,600	7,735 500	4,299,000	6,964,200
Combined Equity Cash Flows		(3,216,002)	(2,620,249)	(1,202,688)	(439,614)	(3,424,943)	(4,162,458)	(520,419)	(1,569,052)	(999,528)	(3,292,779)	(4,900,960)
		0	0	0	0	0	0	0	0	0	0	0
Combined Equity Internal Rate of Return		4 15%										
Equity Years to Payback	Years From Initial Investment To Payback											
Public Equity Cumulative Balance		0	0	0	0	0	0	0	0	0	0	0
Net Present Value		0										
Years to Payback		-										
Private Equity Cumulative Balance		(3,216,002)	(5,836,251)	(7,038,939)	(7,478,553)	(10,903,497)	(15,065,954)	(15,586,374)	(17,155,425)	(18,154,953)	(21,447,732)	(26,348,693)
Net Present Value		(7,297,249)										
Years to Payback		1 23										
Combined Equity Cumulative Balance		(3,216,002)	(5,836,251)	(7,038,939)	(7,478,553)	(10,903,497)	(15,065,954)	(15,586,374)	(17,155,425)	(18,154,953)	(21,447,732)	(26,348,693)
Net Present Value		(7,297,249)										
Years to Payback		1 23										
Debt Coverage Ratio	Net Income Before Debt Service & Depreciation/Debt Service	0 00	0 00	0.00	0 00	0 00	0 00	0 00	0 00	0 00	1 11	1.24

KODYA XYZ
ABC CONCESSION
Project 1 Sources & Uses
(Rp 000) /Scenario : *

	Projected 1998	Projected 1999	Projected 2000	Projected 2001	Projected 2002	Projected 2003	Projected 2004	Projected 2005	Projected 2006	Projected 2007	Projected 2008
SOURCES:											
After Tax Net Income	1,580,244	2,214,900	3,371,164	3,870,620	8,250,335	9,218,891	10,090,519	11,023,078	11,660,678	1,196,687	3,286,957
Depreciation of Assets	1,344,750	2,989,938	3,974,875	4,658,000	5,624,188	6,471,250	7,554,750	9,198,750	10,792,563	11,670,438	13,103,563
Equity	4,093,500	4,181,700	3,406,500	2,998,200	7,587,300	8,869,500	5,814,000	7,635,600	7,735,500	4,299,000	6,964,200
Donated Capital	0	0	0	0	0	0	0	0	0	0	0
Undefined Status of GOI Funds	0	0	0	0	0	0	0	0	0	0	0
Amortization of Assets	0	0	0	0	0	0	0	0	0	0	0
Increased in ST. Liabilities	1,203,855	169,563	113,722	167,694	6,514,389	780,850	716,276	785,709	537,034	1,326,396	1,678,584
Borrowing less Debt Amortization	8,187,000	8,363,400	6,813,000	5,996,400	15,174,600	17,739,000	11,628,000	15,271,200	15,471,000	(9,513,055)	(9,513,055)
Increased in other Liabilities	143,798	7,127	98,547	31,036	2,805	2,833	2,861	2,890	2,919	2,948	2,978
Total Sources	16,553,147	17,926,627	17,777,808	17,721,950	43,153,617	43,082,324	35,806,406	43,917,227	46,199,693	8,982,414	15,523,227
USES:											
Capital Expenditures/Plant Additions	13,503,000	13,675,000	11,091,000	9,994,000	25,291,000	29,565,000	19,380,000	25,452,000	25,785,000	14,330,000	23,214,000
Deferred Charges	0	0	0	0	0	0	0	0	0	0	0
Increased in other Assets	538,252	31,550	28,490	29,914	6,282	6,345	6,408	6,472	6,537	6,603	6,669
Increased in Current Assets except cash	2,673,866	768,991	1,264,704	407,018	1,829,751	655,170	667,793	675,464	651,706	635,991	670,447
Increased in Other Investment	0	0	0	0	0	0	0	0	0	0	0
Profit Sharing	0	0	0	0	3,311,078	3,799,532	5,278,803	6,278,536	7,401,979	8,342,556	5,916,622
Total Uses	16,715,118	14,475,541	12,384,194	10,430,932	30,438,111	34,026,046	25,333,005	32,412,473	33,845,223	23,315,150	29,807,738
Cash Increase(Decrease)	(161,971)	3,451,086	5,393,614	7,291,018	12,715,506	9,056,278	10,473,401	11,504,754	12,354,471	(14,332,736)	(14,284,511)
Beginning Cash Balance	0	(161,971)	3,289,115	8,682,728	15,973,746	28,689,252	37,745,529	48,218,931	59,723,685	72,078,156	57,745,420
Ending Cash Balance	(161,971)	3,289,115	8,682,728	15,973,746	28,689,252	37,745,529	48,218,931	59,723,685	72,078,156	57,745,420	43,460,909

KODYA XYZ
ABC CONCESSION
Project 1 Performance
***(Rp 000) /Scenario : ***

	Projected 1998	Projected 1999	Projected 2000	Projected 2001	Projected 2002	Projected 2003	Projected 2004	Projected 2005	Projected 2006	Projected 2007	Projected 2008	Projected 2009	Projected 2010
DEBT STRUCTURE													
Debt-Equity													
Long-Term Debt	8,187,000	16,550,400	23,363,400	29,359,800	44,534,400	62,273,400	73,901,400	89,172,600	104,643,600	104,643,600	95,130,545	85,617,491	76,104,436
Total Equity	5,673,744	12,070,343	18,848,007	25,716,826	38,243,383	52,532,243	63,157,958	75,538,100	87,532,299	84,685,430	89,019,965	94,157,356	99,279,339
Total Capitalization	13,860,744	28,620,743	42,211,407	55,076,626	82,777,783	114,805,643	137,059,358	164,710,700	192,175,899	189,329,030	184,150,510	179,774,847	175,383,776
Ratio	59 07%	57 83%	55 35%	53 31%	53 80%	54 24%	53 92%	54 14%	54 45%	55 27%	51 66%	47 62%	43 39%
Debt Coverage													
Net Operating Income	1,975,304	2,768,625	4,213,954	4,838,274	14,727,741	16,457,305	18,013,783	19,679,068	20,817,639	2,131,941	5,864,567	8,067,132	12,791,410
Debt Service	0	0	0	0	0	0	0	0	0	30,964,993	29,014,816	27,064,640	25,114,464
Ratio	100 00	100 00	100 00	100 00	100 00	100 00	100 00	100 00	100 00	0 07	0 20	0 30	0 51
Interest Share of Operating Income													
Interest Payments	0	0	0	0	0	0	0	0	0	21,451,938	19,501,762	17,551,586	15,601,409
Operating Income	11,437,073	12,596,348	18,072,615	19,475,060	30,721,956	33,377,252	36,148,303	39,685,167	42,572,304	46,368,604	49,743,666	51,497,389	55,161,117
Ratio	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	46 26%	39 20%	34 08%	28 28%
EFFICIENCY													
Revenues per Cubic Meter Sold													
Operating Income	11,437,073	12,596,348	18,072,615	19,475,060	30,721,956	33,377,252	36,148,303	39,685,167	42,572,304	46,368,604	49,743,666	51,497,389	55,161,117
Total Cubic Meter Water Sold	11,000,670	11,691,158	12,780,172	13 893,352	15,409,711	16,942,616	18,478,513	19 990,991	21,465,815	22,892,317	24,387,946	25,988,546	27,801,650
Rupiah	1,040	1,077	1,414	1,402	1,994	1,970	1,956	1,985	1,983	2,026	2,040	1,982	1,984
Accounts Receivable Turnover													
Accounts Receivable	2,226,078	3,000,519	4,311,156	4,717,892	6,729,260	7,384,996	8,042,924	8,689,993	9,322,199	9,935,605	10,581,044	11,276,555	12,078,813
Average Daily Sales	31,334	34,511	49,514	53,356	84,170	91,445	99,036	108,726	116,636	127,037	136,284	141,089	151,126
Ratio	71 04	86 94	87 07	88 42	79 95	80 76	81 21	79 93	79 93	78 21	77 64	79 93	79 93
Expenditures per Cubic Meter Sold													
Operating Expenses	9,461,769	9,827,723	13,858,661	14,636,786	15,994,215	16,919,947	18,134,519	20,006,099	21,754,665	44,236,663	43,879,099	43,430,257	42,369,708
Total Cubic Meter Water Sold	11,000,670	11,691,158	12,780,172	13,893,352	15,409,711	16,942,616	18,478,513	19,990,991	21,465,815	22,892,317	24,387,946	25,988,546	27,801,650
Rupiah	860 11	840 61	1,084 39	1,053 51	1,037 93	998 66	981.38	1,000 76	1,013 46	1,932 38	1,799 21	1,671.13	1,524 00
Working Ratio													
Operating Expenses (less depreciation)	8,117,019	6,837,786	9,883,786	9,978,786	10,370,028	10,448,697	10,579,769	10,807,349	10,962,102	32,566,226	30,775,537	28,996,007	27,238,770
Operating Revenues	11,437,073	12,596,348	18,072,615	19,475,060	30,721,956	33,377,252	36,148,303	39,685,167	42,572,304	46,368,604	49,743,666	51,497,389	55,161,117
Ratio	70.97%	54 28%	54 69%	51 24%	33 75%	31.30%	29 27%	27 23%	25 75%	70 23%	61 87%	56 31%	49 38%
Employees per 1000 Connections													
Number of Employees	97	97	97	97	112	112	112	112	112	112	112	112	112
Number of Connections (1000)	27,768	29,512	32,261	35,071	37,950	40,907	43,956	47,083	50,305	53,648	57,153	60,904	65,153
Ratio	0 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00
Unaccounted for Water													
Total Production	19,644,054	20,157,169	21,300,287	22,408,632	24,077,673	25,287,487	27,174,284	28,972,451	30,665,451	32,242,700	33,872,147	35,600,748	37,569,797
Total Water Sold	11,000,670	11,691,158	12,780,172	13,893,352	15,409,711	16,942,616	18,478,513	19,990,991	21,465,815	22,892,317	24,387,946	25,988,546	27,801,650
Leakage	8,643,384	8,466,011	8,520,115	8,515,280	8,667,962	8,344,871	8,695,771	8,981,460	9,199,635	9,350,383	9,484,201	9,612,202	9,768,147
Ratio	44 00%	42 00%	40 00%	38 00%	36 00%	33 00%	32 00%	31 00%	30 00%	29 00%	28 00%	27 00%	26 00%
Current Ratio													
Current Assets	2,511,895	6,731,972	13,390,289	21,088,325	35,833,582	45,345,029	56,486,224	68,668,442	81,672,620	67,975,875	54,361,811	43,649,036	45,275,557
Current Liabilities	1,203,855	1,373,418	1,487,140	1,654,834	8,169,223	8,950,073	9,666,349	10,452,059	10,989,092	12,315,488	13,994,072	15,001,439	17,122,858
Ratio	2 1	4 9	9 0	12 7	4 4	5 1	5 8	6 6	7 4	5 5	3 9	2 9	2 6
PROFITABILITY													
Return on Sales													
Net Income (after taxes)	1,975,304	2,768,625	4,213,954	4,838,274	10,312,919	11,523,613	12,613,148	13,778,848	14,575,847	1,495,859	4,108,697	5,650,492	8,957,467
Operating Income	11,437,073	12,596,348	18,072,615	19,475,060	30,721,956	33,377,252	36,148,303	39,685,167	42,572,304	46,368,604	49,743,666	51,497,389	55,161,117
Ratio	17 27%	21 98%	23 32%	24 84%	33 57%	34 53%	34.89%	34 72%	34 24%	3 23%	8 26%	10 97%	16 24%
Return on Assets													
Income (before interest/taxes)	1,975,304	2,768,625	4,213,954	4,838,274	14,727,741	16,457,305	18,013,783	19,679,068	20,817,639	23,583,879	25,366,328	25,618,718	28,392,819
Total Assets	15,208,397	30,145,086	43,948,019	57,011,968	91,230,320	124,041,862	147,014,715	175,454,656	203,459,808	192,429,228	188,932,270	185,566,981	183,300,367
Ratio	12 99%	9 18%	9 59%	8.49%	16 14%	13 27%	12 25%	11 22%	10 23%	12 26%	13 43%	13 81%	15 49%

BEST AVAILABLE COPY

KODYA XYZ
ABC CONCESSION
Project 1 Performance
(Rp 000) /Scenario : *

	Projected 1998	Projected 1999	Projected 2000	Projected 2001	Projected 2002	Projected 2003	Projected 2004	Projected 2005	Projected 2006	Projected 2007	Projected 2008	Projected 2009	Projected 2010
DEBT STRUCTURE													
Debt-Equity Ratio	2.00	2 00	2 00	2 00	2 00	2 00	2 00	2 00	2 00	2 00	2 00	3 00	3 00
Debt Coverage Ratio	4 00	4 00	4 00	4 00	4 00	4 00	4.00	4 00	4 00	1 00	1 00	1.00	1 00
Interest Charged/Oper. Income Ratio	4 00	4 00	4 00	4 00	4 00	4 00	4 00	4 00	4 00	1 00	1 00	1 00	1 00
Sub-total Value	10 00	10 00	10 00	10.00	10 00	10 00	10 00	10 00	10 00	4 00	4 00	5 00	5 00
EFFICIENCY													
Revenues per Cubic Meter Sold	4 00	4 00	4 00	4.00	4 00	4.00	4.00	4 00	4 00	4 00	4 00	4.00	4 00
Accounts Receivable Turnover	4 00	4 00	4 00	4 00	4 00	4 00	4.00	4 00	4 00	4 00	4 00	4 00	4 00
Expenditures per Cubic Meter Sold	1 00	1 00	1 00	1.00	1 00	1 00	1.00	1 00	1 00	1 00	1 00	1.00	1 00
Working Ratio	1 00	3 00	3.00	3 00	4 00	4 00	4.00	4 00	4 00	1 00	2 00	3 00	4 00
Employees per 1000 Customers	4 00	4 00	4 00	4.00	4 00	4.00	4.00	4 00	4 00	4 00	4 00	4.00	4 00
Unaccounted for Water	1 00	1 00	1 00	2 00	2 00	2.00	2 00	2 00	2 00	1 00	1 00	1.00	1 00
Current Ratio	4 00	4 00	4 00	4 00	4 00	4 00	4 00	4 00	4 00	4 00	4 00	4 00	4 00
Sub-total Value	19 00	21 00	21 00	22.00	23 00	23 00	23 00	23 00	23.00	19 00	20 00	21.00	22 00
PROFITABILITY													
Return on Sales	3 00	4 00	4 00	4.00	4 00	4.00	4 00	4 00	4 00	1 00	1 00	1.00	3 00
Return on Assets	2 00	1 00	1 00	1 00	3 00	2.00	2 00	2 00	1 00	2 00	2 00	2 00	2 00
Sub-total Value	5 00	5 00	5 00	5 00	7.00	6 00	6 00	6 00	5 00	3 00	3 00	3 00	5 00
Level of Financial Health	34 00	36 00	36 00	37.00	40 00	39 00	39 00	39 00	38 00	26.00	27 00	29.00	32 00
Very Healthy (41-48)													
Healthy (31-40)													
Less Healthy (21-30)													
Not Healthy (12-20)													

KODYA XYZ
ABC CONCESSION
Project 1 Rates & Revenues
(Rp 000) /Scenario : "

	Projected 1998	Projected 1999	Projected 2000	Projected 2001	Projected 2002	Projected 2003	Projected 2004	Projected 2005	Projected 2006	Projected 2007	Projected 2008	Projected 2009	Projected 2010	Projected 2011	Projected 2012
Number of Connections by Class															
CLASS I Sub Total	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Public Tap	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Public Toilet	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Water Tank	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Masque/Church/Vihara	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CLASS II Sub Total	25,964	27,594	30,164	32,792	35,484	38,249	41,100	44,023	47,036	50,162	53,439	56,946	60,919	61,390	61,867
Very Small House	25,364	26,956	29,467	32,034	34,664	37,365	40,150	43,006	45,949	49,002	52,204	55,630	59,511	59,971	60,437
Orphanage	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Social Foundation	600	638	697	758	820	884	950	1,018	1,087	1,159	1,235	1,316	1,408	1,419	1,430
Public School	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Public Hospital	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Gov. & Army - Kec & Kel	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CLASS III Sub Total	758	806	881	957	1,036	1,116	1,200	1,285	1,373	1,464	1,560	1,662	1,778	1,792	1,806
Medium Size House	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Small Commercial	758	806	881	957	1,036	1,116	1,200	1,285	1,373	1,464	1,560	1,662	1,778	1,792	1,806
Home Industry	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Gov. & Army - TK II	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CLASS IV Sub Total	1,046	1,112	1,216	1,322	1,431	1,542	1,657	1,775	1,896	2,022	2,154	2,296	2,456	2,475	2,494
Luxury House	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Large Commer & Manufa	993	1,056	1,154	1,255	1,358	1,464	1,573	1,685	1,800	1,920	2,045	2,179	2,331	2,349	2,368
Gov. & Army - TK I	53	56	62	67	73	78	84	90	96	103	109	116	125	126	127
Embassy & Consulate	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Special Class	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Connections	27,768	29,512	32,261	35,071	37,950	40 907	43,956	47 083	50,305	53,648	57,153	60,904	65,153	65,657	66,167
Average Consumption/Connection															
CLASS I Sub Total	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Public Tap	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Public Toilet	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Water Tank	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Masque/Church/Vihara	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CLASS II Sub Total	387	387	387	387	397	405	411	415	417	417	417	417	417	417	417
Very Small House	314	314	314	314	322	328	333	337	338	338	338	338	338	338	338
Orphanage	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Social Foundation	3,468	3,464	3,467	3,465	3,552	3,623	3,677	3,714	3,733	3,733	3,733	3,733	3,733	3,733	3,733
Public School	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Public Hospital	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Gov. & Army - Kec & Kel	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CLASS III Sub Total	416	416	416	416	427	435	442	448	448	448	448	448	448	448	448
Medium Size House	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Small Commercial	416	416	416	416	427	435	442	448	448	448	448	448	448	448	448
Home Industry	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Gov. & Army - TK II	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CLASS IV Sub Total	611	611	610	610	626	638	648	654	657	657	657	657	657	657	657
Luxury House	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Large Commer & Manufa	557	556	556	556	570	581	590	596	599	599	599	599	599	599	599
Gov. & Army - TK I	1,627	1,636	1,616	1,625	1,666	1,699	1,725	1,742	1,751	1,751	1,751	1,751	1,751	1,751	1,751
Embassy & Consulate	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Special Class	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Wt. Average Consumption/Conn.	396	396	396	396	406	414	420	425	427	427	427	427	427	427	427

KODYA XYZ
ABC CONCESSION
Project 1 Rates & Revenues
(Rp 000) /Scenario : *

	Projected 1998	Projected 1999	Projected 2000	Projected 2001	Projected 2002	Projected 2003	Projected 2004	Projected 2005	Projected 2006	Projected 2007	Projected 2008	Projected 2009	Projected 2010	Projected 2011	Projected 2012
Total Consumption by Class															
CLASS I Sub Total	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Public Tap	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Public Toilet	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Water Tank	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Masque/Church/Vihara	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CLASS II Sub Total	10,046,389	10,676,979	11,671,524	12,688,138	14,072,933	15,472,837	16,875,471	18,256,717	19,603,575	20,906,302	22,272,158	23,733,877	25,389,661	25,586,064	25,784,805
Very Small House	7,966,627	8,466,675	9,255,333	10,061,492	11,159,625	12,269,739	13,382,020	14,477,341	15,545,393	16,578,450	17,661,568	18,820,705	20,133,735	20,289,481	20,447,082
Orphanage	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Social Foundation	2,079,762	2,210,304	2,416,191	2,626,646	2,913,308	3,203,097	3,493,451	3,779,376	4,058,182	4,327,852	4,610,590	4,913,172	5,255,927	5,296,583	5,337,723
Public School	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Public Hospital	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Gov. & Army - Kec & Kel	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CLASS III Sub Total	315,407	335,205	366,429	398,346	441,833	485,794	529,842	573,220	615,517	656,430	699,325	745,231	797,231	803,399	809,641
Medium Size House	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Small Commercial	315,407	335,205	366,429	398,346	441,833	485,794	529,842	573,220	615,517	656,430	699,325	745,231	797,231	803,399	809,641
Home Industry	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Gov. & Army - TK II	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CLASS IV Sub Total	638,874	678,974	742,219	806,868	894,946	983,985	1,073,200	1,161,055	1,246,723	1,329,585	1,416,463	1,509,438	1,614,758	1,627,250	1,639,891
Luxury House	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Large Commer & Manufa	552,654	587,342	642,052	697,976	774,153	851,160	928,318	1,004,300	1,078,369	1,150,051	1,225,185	1,305,593	1,396,677	1,407,480	1,418,413
Gov. & Army - TK I	86,220	91,632	100,167	108,892	120,793	132,825	144,881	156,755	168,334	179,534	191,278	203,845	218,081	219,770	221,478
Embassy & Consulate	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Special Class	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Project Consumption	11,000,670	11,691,158	12,780,172	13,893,352	15,409,711	16,942,616	18,478,513	19,990,991	21,465,815	22,892,317	24,387,946	25,988,546	27,801,650	28,016,713	28,234,337
Water Losses	44 00%	42 00%	40 00%	38 00%	36 00%	33 00%	32 00%	31 00%	30 00%	29 00%	28 00%	27 00%	26 00%	25.00%	25 00%
Production	19,644,054	20,157,169	21,300,287	22,408,632	24,077,673	25,287,487	27,174,284	28,972,451	30,665,451	32,242,700	33,872,147	35,600,748	37,569,797	37,355,618	37,645,782
Water Produced by Project	16,391,054	17,145,169	17,416,287	17,807,632	24,057,673	24,513,487	25,881,284	28,972,451	30,665,451	32,242,700	33,872,147	35,600,748	37,569,797	37,355,618	37,645,782
Water Sales to PDAM	-	-	-	-	-	-	-	-	-	860,000	1,456,000	3,228,000	5,391,000	5,543,000	6,214,000
Water Purchased from PDAM	3,253,000	3,012,000	3,864,000	4,801,000	20,000	774,000	1,293,000	-	-	-	-	-	-	-	-
Production - l/s	623	639	675	711	763	802	862	919	972	1,022	1,074	1,129	1,191	1,185	1,194
Water Produced by Project - l/s	520	544	552	565	763	777	821	919	972	1,022	1,074	1,129	1,191	1,185	1,194
Water Sales to PDAM - l/s	-	-	-	-	-	-	-	-	-	27	46	102	171	176	197
Water Purchased from PDAM - l/s	103	96	123	146	1	25	41	-	-	-	-	-	-	-	-
Project Capacity Utilization - l/s	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0.00%	0.00%	0 00%	0.00%
	31,536,000														

KODYA XYZ
ABC CONCESSION
Project 1 Rates & Revenues
***(Rp 000) /Scenario : ***

	Projected 1998	Projected 1999	Projected 2000	Projected 2001	Projected 2002	Projected 2003	Projected 2004	Projected 2005	Projected 2006	Projected 2007	Projected 2008	Projected 2009	Projected 2010	Projected 2011	Projected 2012
Project Revenues															
Tariff Increase Percentage	35.00%	0.00%	30.00%	0.00%	25.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Average Tariff by Classification															
New Connection Charge	300	300	300	300	300	300	300	300	300	300	300	300	300	300	300
CLASS I Sub Total	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Public Tap	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Public Toilet	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Water Tank	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Masque/Church/Vihara	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CLASS II Sub Total	897	897	1,166	1,166	1,457	1,457	1,457	1,457	1,457	1,457	1,457	1,457	1,457	1,457	1,457
Very Small House	985	985	1,280	1,280	1,601	1,601	1,601	1,601	1,601	1,601	1,601	1,601	1,601	1,601	1,601
Orphanage	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Social Foundation	559	559	726	726	908	908	908	908	908	908	908	908	908	908	908
Public School	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Public Hospital	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Gov. & Army - Kec & Kel	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CLASS III Sub Total	3,175	3,175	4,127	4,127	5,159	5,159	5,159	5,159	5,159	5,159	5,159	5,159	5,159	5,159	5,159
Medium Size House	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Small Commercial	3,175	3,175	4,127	4,127	5,159	5,159	5,159	5,159	5,159	5,159	5,159	5,159	5,159	5,159	5,159
Home Industry	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Gov. & Army - TK II	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CLASS IV Sub Total	4,857	4,857	6,314	6,314	7,893	7,893	7,893	7,893	7,893	7,893	7,893	7,893	7,893	7,893	7,893
Luxury House	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Large Commer & Manufa	5,023	5,023	6,530	6,530	8,162	8,162	8,162	8,162	8,162	8,162	8,162	8,162	8,162	8,162	8,162
Gov. & Army - TK I	3,796	3,796	4,935	4,935	6,168	6,168	6,168	6,168	6,168	6,168	6,168	6,168	6,168	6,168	6,168
Embassy & Consulate	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Special Class	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Wt. Average Tariff	1,192	1,192	1,550	1,550	1,937	1,937	1,937	1,937	1,937	1,937	1,937	1,937	1,937	1,937	1,937
Water Sales Income by Class															
CLASS I Sub Total	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Public Tap	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Public Toilet	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Water Tank	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Masque/Church/Vihara	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CLASS II Sub Total	9,009,072	9,574,552	13,606,329	14,791,469	20,507,287	22,547,257	24,591,205	26,603,987	28,566,658	30,465,021	32,455,377	34,585,427	36,998,272	37,284,475	37,574,084
Very Small House	7,846,809	8,339,336	11,850,973	12,883,217	17,861,648	19,638,454	21,418,726	23,171,852	24,881,334	26,534,803	28,268,398	30,123,667	32,225,250	32,474,531	32,726,780
Orphanage	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Social Foundation	1,162,263	1,235,216	1,755,356	1,908,252	2,645,639	2,908,803	3,172,479	3,432,135	3,685,325	3,930,218	4,186,978	4,461,760	4,773,023	4,809,943	4,847,304
Public School	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Public Hospital	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Gov. & Army - Kec & Kel	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CLASS III Sub Total	1,001,363	1,064,217	1,512,351	1,844,080	2,279,451	2,506,253	2,733,501	2,957,287	3,175,505	3,386,576	3,607,875	3,844,706	4,112,981	4,144,802	4,177,003
Medium Size House	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Small Commercial	1,001,363	1,064,217	1,512,351	1,844,080	2,279,451	2,506,253	2,733,501	2,957,287	3,175,505	3,386,576	3,607,875	3,844,706	4,112,981	4,144,802	4,177,003
Home Industry	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Gov. & Army - TK II	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CLASS IV Sub Total	3,103,198	3,297,979	4,686,735	5,094,961	7,063,880	7,766,650	8,470,796	9,164,210	9,840,365	10,494,372	11,180,071	11,913,897	12,745,148	12,843,748	12,943,522
Luxury House	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Large Commer & Manufa	2,775,919	2,850,158	4,182,449	4,557,621	6,318,796	6,947,349	7,577,128	8,197,303	8,802,037	9,386,956	10,000,220	10,658,526	11,399,966	11,488,150	11,577,384
Gov. & Army - TK I	327,279	347,821	494,286	537,340	745,085	819,301	893,668	966,907	1,038,328	1,107,416	1,179,851	1,257,371	1,345,182	1,355,598	1,366,138
Embassy & Consulate	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Special Class	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Water Sales Income	13,113,633	13,936,748	19,805,415	21,530,510	29,850,619	32,820,160	35,795,502	38,725,484	41,582,528	44,345,968	47,243,323	50,344,030	53,856,401	54,273,025	54,694,609
Other Water Income (Adm)	15,000	15,000	15,000	15,000	16,637	18,292	19,950	21,583	23,176	24,716	26,331	28,059	30,016	30,248	30,483
Total Water Income	13,128,633	13,951,748	19,820,415	21,545,510	29,867,256	32,838,452	35,815,453	38,747,067	41,605,704	44,370,684	47,269,654	50,372,089	53,886,417	54,303,273	54,725,092
Non Water Income															
New Connection Income	-	-	-	-	863,700	887,100	914,700	938,100	966,600	1,002,900	1,051,500	1,125,300	1,274,700	151,200	153,000
Other Income	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Non Water Income	-	-	-	-	863,700	887,100	914,700	938,100	966,600	1,002,900	1,051,500	1,125,300	1,274,700	151,200	153,000
TOTAL INCOME	13,128,633	13,951,748	19,820,415	21,545,510	30,730,956	33,725,552	36,730,153	39,685,167	42,572,304	45,373,584	48,321,154	51,497,389	55,161,117	54,454,473	54,878,092

KODYA XYZ
ABC CONCESSION
Project 1 Rates & Revenues
*(Rp 000) /Scenario : **

	Projected 1998	Projected 1999	Projected 2000	Projected 2001	Projected 2002	Projected 2003	Projected 2004	Projected 2005	Projected 2006	Projected 2007	Projected 2008	Projected 2009	Projected 2010	Projected 2011	Projected 2012
New Connection Allocation Panel		1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011
	New Connections					2,879	2,957	3,049	3,127	3,222	3,343	3,505	3,751	4,249	504
Rate Classes	Allocation %														
CLASS I Sub Total	0 00%	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Public Tap	0 00%	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Public Toilet	0 00%	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Water Tank	0.00%	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Masque/Church/Vihara	0 00%	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CLASS II Sub Total	93 50%	25,964	27,594	30,164	32,792	35,484	38,249	41,100	44,023	47,036	50,162	53,439	56,946	60,919	61,390
Very Small House	91.34%	25,364	26,956	29,467	32,034	34,664	37,365	40,150	43,006	45,949	49,002	52,204	55,630	59,511	59,971
Orphanage	0.00%	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Social Foundation	2.16%	600	638	697	758	820	884	950	1,018	1,087	1,159	1,235	1,316	1,408	1,419
Public School	0 00%	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Public Hospital	0 00%	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Gov. & Army - Kac & Kel	0 00%	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CLASS III Sub Total	2 73%	758	806	881	957	1,036	1,116	1,200	1,285	1,373	1,464	1,560	1,662	1,778	1,792
Medium Size House	0 00%	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Small Commercial	2.73%	758	806	881	957	1,036	1,116	1,200	1,285	1,373	1,464	1,560	1,662	1,778	1,792
Home Industry	0 00%	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Gov. & Army - TK II	0 00%	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CLASS IV Sub Total	3 77%	1,046	1,112	1,216	1,322	1,431	1,542	1,657	1,775	1,896	2,022	2,154	2,296	2,456	2,475
Luxury House	0 00%	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Large Commer & Manufa	3 58%	993	1,056	1,154	1,255	1,358	1,464	1,573	1,685	1,800	1,920	2,045	2,179	2,331	2,349
Gov. & Army - TK I	0 19%	53	56	62	67	73	78	84	90	96	103	109	116	125	126
Embassy & Consulate	0 00%	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Special Class	0 00%	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	100 00%	27,768	29,512	32,261	35,071	37,950	40,907	43,956	47,083	50,305	53,648	57,153	60,904	65,153	65,657

KODYA XYZ
ABC CONCESSION
Project 1 O&M
(Rp 000) /Scenario :

	Escalation Basis	Projected 1998	Projected 1999	Projected 2000	Projected 2001	Projected 2002	Projected 2003	Projected 2004	Projected 2005	Projected 2006	Projected 2007
WATER SOURCE											
Operation Expenses											
Personnel	CPI	0	0	0	0	0	0	0	0	0	0
Fuel	CPI/Water Produced By Project	0	0	0	0	0	0	0	0	0	0
Power	CPI/Water Produced By Project	0	0	0	0	0	0	0	0	0	0
Other	CPI	0	0	0	0	0	0	0	0	0	0
Maintenance Expenses	CPI	0	0	0	0	0	0	0	0	0	0
Raw Water Expenses	Number of Customers	422,268	443,400	443,400	443,400	479,799	517,184	555,732	595,267	636,002	678,268
PDAM Raw Water Expenses	CPI/Water Produced By Project	0	0	0	0	0	0	0	0	0	0
Total Water Source Expense		422,268	443,400	443,400	443,400	479,799	517,184	555,732	595,267	636,002	678,268
WATER TREATMENT & STORAGE											
Operation											
Personnel	CPI	0	0	0	0	0	0	0	0	0	0
Chemicals	CPI/Water Produced By Project	828,629	923,237	923,237	923,237	1,247,270	1,270,902	1,341,815	1,502,077	1,589,850	1,671,623
Fuels	CPI/Water Produced By Project	45,045	45,045	45,045	45,045	60,855	62,008	65,468	73,287	77,569	81,559
Power	Water Produced (Total)					0	0	0	0	0	0
Other	CPI	112,606	112,606	112,606	112,606	112,606	112,606	112,606	112,606	112,606	112,606
Maintenance	CPI	633,799	360,826	360,826	360,826	360,826	360,826	360,826	360,826	360,826	360,826
Total Treat. & Storage Expense		1,620,079	1,441,714	1,441,714	1,441,714	1,781,557	1,806,342	1,880,715	2,048,796	2,140,852	2,226,614
TRANSMISSION & DISTRIBUTION											
Operation											
Personnel	CPI	0	0	0	0	0	0	0	0	0	0
Fuels	CPI/Water Produced By Project	0	0	0	0	0	0	0	0	0	0
Power	CPI/Water Produced By Project	0	0	0	0	0	0	0	0	0	0
Other	CPI	1,258,000	1,336,000	1,357,000	1,452,000	1,452,000	1,452,000	1,452,000	1,452,000	1,452,000	1,452,000
Maintenance	CPI	0	0	0	0	0	0	0	0	0	0
Total Trans.& Dist. Expense		1,258,000	1,336,000	1,357,000	1,452,000	1,452,000	1,452,000	1,452,000	1,452,000	1,452,000	1,452,000
GENERAL & ADMINISTRATIVE											
Operation											
Personnel	CPI	2,549,005	2,549,005	2,549,005	2,549,005	2,549,005	2,549,005	2,549,005	2,549,005	2,549,005	2,549,005
Office Expense	CPI	228,904	228,904	228,904	228,904	228,904	228,904	228,904	228,904	226,904	228,904
Consumer Services	CPI/Customers	0	0	0	0	0	0	0	0	0	0
Research & Development	CPI	0	0	0	0	0	0	0	0	0	0
General Maintenance	CPI	84,521	84,521	84,521	84,521	84,521	84,521	84,521	84,521	84,521	84,521
Cost for Receivable Set Aside	CPI	0	0	0	0	0	0	0	0	0	0
Miscellaneous	CPI	1,854,241	654,241	654,241	654,241	654,241	654,241	654,241	654,241	654,241	654,241
Total General & Admin. Expense		4,716,671	3,516,671	3,516,671	3,516,671	3,516,671	3,516,671	3,516,671	3,516,671	3,516,671	3,516,671
NON-OPERATING EXPENSES		0	0	2,975,000	2,975,000	2,975,000	2,975,000	2,975,000	2,975,000	2,975,000	2,975,000
NON-OPERATING INCOME		0	0	0	0	0	0	0	0	0	0
TOTAL OPERATIONS & MAINTENANCE EXPENSE		8,017,019	6,737,786	9,733,786	9,828,786	10,205,028	10,267,197	10,380,119	10,587,734	10,720,526	10,848,553
RENTAL		100,000	100,000	150,000	150,000	165,000	181,500	199,650	219,615	241,577	265,734

KODYA XYZ
ABC CONCESSION
Project 1 Salaries
***(Rp 000) /Scenario : ***

	Projected 1998	Projected 1999	Projected 2000	Projected 2001	Projected 2002	Projected 2003	Projected 2004	Projected 2005	Projected 2006	Projected 2007	Projected 2008
Net Employees											
Water Source	0	0	0	0	0	0	0	0	0	0	0
Water Treatment	0	0	0	0	0	0	0	0	0	0	0
Transmission & Dist.	0	0	0	0	0	0	0	0	0	0	0
General & Admin.	97	97	97	97	112	112	112	112	112	112	112
Total Net Employees	97	97	97	97	112	112	112	112	112	112	112
Average Salary and Fringes*											
Water Source	0	0	0	0	0	0	0	0	0	0	0
Water Treatment	0	0	0	0	0	0	0	0	0	0	0
Transmission & Dist.	0	0	0	0	0	0	0	0	0	0	0
General & Admin.	26,278	26,278	26,278	26,278	26,278	26,278	26,278	26,278	26,278	26,278	26,278
Total Annual Salary and Fringes											
Water Source	0	0	0	0	0	0	0	0	0	0	0
Water Treatment	0	0	0	0	0	0	0	0	0	0	0
Transmission & Dist.	0	0	0	0	0	0	0	0	0	0	0
General & Admin.	2,549,005	2,549,005	2,549,005	2,549,005	2,943,181	2,943,181	2,943,181	2,943,181	2,943,181	2,943,181	2,943,181

* Escalated at CPI

KODYA XYZ
ABC CONCESSION
Project 1 Escalation Rates
(Rp 000) /Scenario : *

	Projected 1998	Projected 1999	Projected 2000	Projected 2001	Projected 2002	Projected 2003	Projected 2004	Projected 2005	Projected 2006	Projected 2007	Projected 2008	Projected 2009
Raw Values												
CPI	100	100	100	100	100	100	100	100	100	100	100	100
Lost/Unaccounted Ratio	44.00%	42.00%	40.00%	38.00%	36.00%	33.00%	32.00%	31 00%	30.00%	29.00%	28 00%	27.00%
Number of Customers	27,768	29,512	32,261	35,071	37,950	40,907	43,956	47,083	50,305	53,648	57,153	60,904
Water Sold	11,000,670	11,691,158	12,780,172	13,893,352	15,409,711	16,942,616	18,478,513	19,990,991	21,465,815	22,892,317	24,387,946	25,988,546
Water Produced (Total)	16,391,054	17,145,169	17,416,287	17,807,632	24,057,673	24,513,487	25,881,284	28,972,451	30,665,451	32,242,700	33,872,147	35,600,748
Annual Escalation Rates												
CPI	0	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1 0000	1.0000	1.0000	1 0000
Number of Customers	0	1.0628	1.0931	1.0871	1.0821	1.0779	1.0745	1.0711	1.0684	1.0665	1.0653	1.0656
Water Sold	0	1.0628	1.0931	1.0871	1.1091	1.0995	1 0907	1.0819	1.0738	1 0665	1.0653	1.0656
Water Produced(Total)	0	1.0460	1.0158	1.0225	1.3510	1.0189	1.0558	1.1194	1.0584	1 0514	1.0505	1.0510
CPI/Water Produced	0	1.0460	1.0158	1.0225	1.3510	1.0189	1.0558	1.1194	1.0584	1.0514	1.0505	1.0510
CPI/Customers	0	1.0628	1.0931	1.0871	1.0821	1.0779	1.0745	1.0711	1.0684	1.0665	1 0653	1.0656

KODYA XYZ
ABC CONCESSION
Project 1 Total Plant
***(Rp 000) /Scenario : ***

	Depreciation Method	Service Live	Projected 1998	Projected 1999	Projected 2000	Projected 2001	Projected 2002	Projected 2003	Projected 2004	Projected 2005	Projected 2006
Plant In Use Additions											
Reservoirs and Dams			0	1,036,000	2,072,000	2,072,000	2,072,000	2,072,000	2,072,000	2,072,000	2,072,000
Treatment Plants and Wells			0	203,000	203,000	203,000	6,110,000	11,963,000	6,057,000	11,813,000	11,183,000
Transmission & Distribution Mains			3,446,000	5,510,000	1,703,000	2,772,000	9,901,000	9,445,000	4,759,000	4,658,000	5,189,000
Electrical and Mechanical Equipment			4,699,000	490,000	0	0	0	0	0	0	0
Service Connections			2,687,000	2,220,000	5,557,000	4,635,000	6,924,000	5,801,000	6,208,000	6,625,000	7,057,000
Buildings			0	0	0	0	0	0	0	0	0
Tools & Equipment			1,819,000	3,810,000	724,000	312,000	0	0	0	0	0
Vehicles			710,000	142,000	568,000	0	284,000	284,000	284,000	284,000	284,000
Office Furniture			0	0	0	0	0	0	0	0	0
Office Equipment			142,000	264,000	264,000	0	0	0	0	0	0
Total Plant			13,503,000	13,675,000	11,091,000	9,994,000	25,291,000	29,565,000	19,380,000	25,452,000	25,785,000
Other Fixed Assets Additions											
Preoperating Expenses			0	0	0	0	0	0	0	0	0
Engineering and Project Administration			0	0	0	0	0	0	0	0	0
Interest During Constructions			0	0	0	0	0	0	0	0	0
Total Other F.A Additions			0	0	0	0	0	0	0	0	0
Total Plant In Use											
Reservoirs and Dams			0	1,036,000	3,108,000	5,180,000	7,252,000	9,324,000	11,396,000	13,468,000	15,540,000
Treatment Plants and Wells			0	203,000	406,000	609,000	6,719,000	18,682,000	24,739,000	36,552,000	47,735,000
Transmission & Distribution Mains			3,446,000	8,956,000	10,659,000	13,431,000	23,332,000	32,777,000	37,536,000	42,194,000	47,383,000
Electrical and Mechanical Equipment			4,699,000	5,189,000	5,189,000	5,189,000	5,189,000	5,189,000	5,189,000	5,189,000	5,189,000
Service Connections			2,687,000	4,907,000	10,464,000	15,099,000	22,023,000	27,824,000	34,032,000	40,657,000	47,714,000
Buildings			0	0	0	0	0	0	0	0	0
Tools & Equipment			1,819,000	5,629,000	6,353,000	6,665,000	6,665,000	6,665,000	6,665,000	6,665,000	6,665,000
Vehicles			710,000	852,000	1,420,000	1,420,000	1,704,000	1,988,000	2,272,000	2,556,000	2,840,000
Office Furniture			0	0	0	0	0	0	0	0	0
Office Equipment			142,000	406,000	670,000	670,000	670,000	670,000	670,000	670,000	670,000
Total Plant in Use			13,503,000	27,178,000	38,269,000	48,263,000	73,554,000	103,119,000	122,499,000	147,951,000	173,736,000
Other Fixed Assets in Use											
Preoperating Expenses			0	0	0	0	0	0	0	0	0
Engineering and Project Administration			0	0	0	0	0	0	0	0	0
Interest During Constructions			0	0	0	0	0	0	0	0	0
Total Other F.A in Use			0	0	0	0	0	0	0	0	0

	Depreciation Method	Service Live	Projected 1998	Projected 1999	Projected 2000	Projected 2001	Projected 2002	Projected 2003	Projected 2004	Projected 2005	Projected 2006
Depreciation Expenses											
Reservoirs and Dams	SL	16	0	84,750	194,250	323,750	453,250	582,750	712,250	841,750	971,250
Treatment Plants and Wells	SL	16	0	12,688	25,375	38,063	419,938	1,167,625	1,546,188	2,284,500	2,983,438
Transmission & Distribution Mains	SL	16	215,375	559,750	666,188	839,438	1,458,250	2,048,563	2,346,000	2,637,125	2,961,438
Electrical and Mechanical Equipment	SL	16	293,688	324,313	324,313	324,313	324,313	324,313	324,313	324,313	324,313
Service Connections	SL	16	167,938	306,688	654,000	943,688	1,376,438	1,739,000	2,127,000	2,541,063	2,982,125
Buildings	SL	20	0	0	0	0	0	0	0	0	0
Tools & Equipment	SL	4	454,750	1,407,250	1,588,250	1,666,250	1,211,500	259,000	78,000	78,000	78,000
Vehicles	SL	4	177,500	213,000	355,000	355,000	248,500	284,000	355,000	426,000	426,000
Office Furniture	SL	4	0	0	0	0	0	0	0	0	0
Office Equipment	SL	4	35,500	101,500	167,500	167,500	132,000	66,000	66,000	66,000	66,000
Total Depreciation Expenses			1,344,750	2,989,938	3,974,875	4,658,000	5,624,188	6,471,250	7,554,750	9,198,750	10,792,563
Amortization Expenses											
Preoperating Expenses	SL	10	0	0	0	0	0	0	0	0	0
Engineering and Project Administration	SL	10	0	0	0	0	0	0	0	0	0
Interest During Constructions	SL	10	0	0	0	0	0	0	0	0	0
Total Amortization Expenses			0	0	0	0	0	0	0	0	0
Total Depreciation and Amortization			1,344,750	2,989,938	3,974,875	4,658,000	5,624,188	6,471,250	7,554,750	9,198,750	10,792,563
Accumulated Depreciation											
Reservoirs and Dams			0	64,750	259,000	582,750	1,036,000	1,618,750	2,331,000	3,172,750	4,144,000
Treatment Plants and Wells			0	12,688	38,063	76,125	496,063	1,663,688	3,209,875	5,494,375	8,477,813
Transmission & Distribution Mains			215,375	775,125	1,441,313	2,280,750	3,739,000	5,787,563	8,133,563	10,770,688	13,732,125
Electrical and Mechanical Equipment			293,688	618,000	942,313	1,266,625	1,590,938	1,915,250	2,239,563	2,563,875	2,888,188
Service Connections			167,938	474,625	1,128,625	2,072,313	3,448,750	5,187,750	7,314,750	9,855,813	12,837,938
Buildings			0	0	0	0	0	0	0	0	0
Tools & Equipment			454,750	1,862,000	3,450,250	5,116,500	6,328,000	6,587,000	6,665,000	6,743,000	6,821,000
Vehicles			177,500	390,500	745,500	1,100,500	1,349,000	1,633,000	1,988,000	2,414,000	2,840,000
Office Furniture			0	0	0	0	0	0	0	0	0
Office Equipment			35,500	137,000	304,500	472,000	604,000	670,000	736,000	802,000	868,000
Total Accumulated Depreciation			1,344,750	4,334,688	8,309,563	12,967,563	18,591,750	25,063,000	32,617,750	41,816,500	52,609,063
Accumulated Amortization											
Preoperating Expenses			0	0	0	0	0	0	0	0	0
Engineering and Project Administration			0	0	0	0	0	0	0	0	0
Interest During Constructions			0	0	0	0	0	0	0	0	0
Total Accumulated Amortization			0	0	0	0	0	0	0	0	0
Total Accumulated Depreciation and Amortization			1,344,750	4,334,688	8,309,563	12,967,563	18,591,750	25,063,000	32,617,750	41,816,500	52,609,063

KODYA XYZ
ABC CONCESSION
Project 1 Costs & Financing
***(Rp 000) /Scenario : ***

	Source Reference	Totals	Projected 1998	Projected 1999	Projected 2000	Projected 2001	Projected 2002	Projected 2003	Projected 2004	Projected 2005	Projected 2006	Projected 2007
PROPOSED PROJECT EXPENDITURES	Project											
Reservoirs and Dams		25,327,000	0	1,036,000	2,072,000	2,072,000	2,072,000	2,072,000	2,072,000	2,072,000	2,072,000	2,072,000
Treatment Plants and Wells		83,175,000	0	203,000	203,000	203,000	6,110,000	11,963,000	6,057,000	11,813,000	11,183,000	0
Transmission & Distribution Mains		100,909,000	3,446,000	5,510,000	1,703,000	2,772,000	9,901,000	9,445,000	4,759,000	4,658,000	5,189,000	4,468,000
Electrical and Mechanical Equipment		5,189,000	4,699,000	490,000	0	0	0	0	0	0	0	0
Service Connections		119,482,000	2,687,000	2,220,000	5,557,000	4,635,000	6,924,000	5,801,000	6,208,000	6,625,000	7,057,000	7,506,000
Buildings		0	0	0	0	0	0	0	0	0	0	0
Tools & Equipment		6,665,000	1,819,000	3,810,000	724,000	312,000	0	0	0	0	0	0
Vehicles		7,384,000	710,000	142,000	568,000	0	284,000	284,000	284,000	284,000	284,000	284,000
Office Furniture		0	0	0	0	0	0	0	0	0	0	0
Office Equipment		670,000	142,000	264,000	264,000	0	0	0	0	0	0	0
Sub-Total		348,801,000	13,503,000	13,675,000	11,091,000	9,994,000	25,291,000	29,565,000	19,380,000	25,452,000	25,785,000	14,330,000
Preoperating Expenses		670,000	142,000	264,000	264,000	0	0	0	0	0	0	0
Engineering and Project Administration		0	0	0	0	0	0	0	0	0	0	0
Total Project Expenditures		349,471,000	13,645,000	13,939,000	11,355,000	9,994,000	25,291,000	29,565,000	19,380,000	25,452,000	25,785,000	14,330,000
Interest During Construction (IDC)		0 00%										
IDC Interest Rate		0	0	0	0	0	0	0	0	0	0	0
Total Project Costs w/IDC		349,471,000	13,645,000	13,939,000	11,355,000	9,994,000	25,291,000	29,565,000	19,380,000	25,452,000	25,785,000	14,330,000
FINANCING PLAN												
Cashflow	203%	708,821,131	3,320,054	5,758,562	8,188,829	9,496,274	15,937,106	17,994,863	20,167,898	22,977,598	25,368,410	34,618,234
Loan 1	30%	104,643,600	8,187,000	8,363,400	6,813,000	5,996,400	15,174,600	17,739,000	11,628,000	15,271,200	15,471,000	0
Loan 2	0%	0	0	0	0	0	0	0	0	0	0	0
Loan 3	0%	0	0	0	0	0	0	0	0	0	0	0
Loan 4	0%	0	0	0	0	0	0	0	0	0	0	0
Total Debt	233%	813,464,731	11,507,054	14,121,962	15,001,829	15,492,674	31,111,706	35,733,863	31,795,898	38,248,798	40,839,410	34,618,234
Central/Local Governmen/PDAM Equity	0%	0	0	0	0	0	0	0	0	0	0	0
Investor Equity	30%	104,841,300	4,093,500	4,181,700	3,406,500	2,998,200	7,587,300	8,869,500	5,814,000	7,635,600	7,735,500	4,299,000
Total Equity	30%	104,841,300	4,093,500	4,181,700	3,406,500	2,998,200	7,587,300	8,869,500	5,814,000	7,635,600	7,735,500	4,299,000
Total Financing Public & Private	263%	918,306,031	15,600,554	18,303,662	18,408,329	18,490,874	38,699,006	44,603,363	37,609,898	45,884,398	48,574,910	38,917,234

KODYA XYZ
ABC CONCESSION
Project 1 Costs & Financing (Supporting Calculation)
(Rp 000) /Scenario : *

	Source Reference	Totals	Projected 1998	Projected 1999	Projected 2000	Projected 2001	Projected 2002	Projected 2003	Projected 2004	Projected 2005	Projected 2006	Projected 2007
PRIVATE FINANCING PLAN												
			1	2	3	4	5	6	7	8	9	10
Loan 1	30%	104,643,600	8,187,000	8,363,400	6,813,000	5,996,400	15,174,600	17,739,000	11,628,000	15,271,200	15,471,000	0
Oustanding Balance			8,187,000	16,550,400	23,363,400	29,359,800	44,534,400	62,273,400	73,901,400	89,172,600	104,643,600	95,130,545
Term		11 0										
Interest Rate		20 50%	9,513,055									
Principal Payment			0	0	0	0	0	0	0	0	0	9,513,055
Interest Payment			0	0	0	0	0	0	0	0	0	21,451,938
Total Payment			0	0	0	0	0	0	0	0	0	30,964,993
Loan 2	0%	0	0	0	0	0	0	0	0	0	0	0
Oustanding Balance			-	-	-	-	-	-	-	-	-	-
Term		11 0										
Interest Rate		20.50%	0									
Principal Payment			0	0	0	0	0	0	0	0	0	0
Interest Payment			0	0	0	0	0	0	0	0	0	0
Total Payment			0	0	0	0	0	0	0	0	0	0
Loan 3	0%	0	0	0	0	0	0	0	0	0	0	0
Oustanding Balance			-	-	-	-	-	-	-	-	-	-
Term		-										
Interest Rate		0 00%	0									
Principal Payment			0	0	0	0	0	0	0	0	0	0
Interest Payment			0	0	0	0	0	0	0	0	0	0
Total Payment			0	0	0	0	0	0	0	0	0	0
Loan 4	0%	0	0	0	0	0	0	0	0	0	0	0
Oustanding Balance			-	-	-	-	-	-	-	-	-	-
Term		-										
Interest Rate		0 00%										
Principal Payment			0	0	0	0	0	0	0	0	0	0
Interest Payment			0	0	0	0	0	0	0	0	0	0
Total Payment			0	0	0	0	0	0	0	0	0	0
Total Interest			-	-	-	-	-	-	-	-	-	21,451,938
Total Principal			-	-	-	-	-	-	-	-	-	9,513,055
Total Installment			-	-	-	-	-	-	-	-	-	30,964,993
Total Debt			8,187,000	16,550,400	23,363,400	29,359,800	44,534,400	62,273,400	73,901 400	89,172,600	104,643,600	95,130,545