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THE GOVERNMENT OF MALAYSIA
THE STATE OF SARAWAK

MIRI-BINTULU

REGIONAL PLANNING STUDY

SUPPORTING REPORT

No. 10

PROJECT FORMS AND PHASING

—1974—

HUNTING TECHNICAL
SERVICES LTD. LONDON

HOFF AND OVERGAARD
COPENHAGEN

THE GOVERNMENTS OF MALAYSIA AND THE STATE OF SARAWAK

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THE PROJECT FORMS

INTRODUCTION

The planning process, from conception of the first rough ideas to the beginning of implementation of a number of individual projects, consists of a series of stages in which each successive stage refines the details of the previous one. In formulating the Regional Plan which contains general outlooks, rough ideas and principle targets for development covering the period 1970 to 1990 only a few planning stages have been involved. But for the Action Programme, which covers the period 1975 to 1980 and for which considerable more detail of development proposals have been given, the planning process has been taken several stages further. Nevertheless there are still at least two more planning stages to be gone through before implementation can be undertaken. Government has to study and analyse the Action Programme recommendations in the context of development in the whole State. This stage will result in a list of accepted recommendations for immediate implementation. The list could be larger or smaller than the total proposed in the Action Programme. The implementing agencies then still have to incorporate the Governments' accepted recommendations into their working programmes and budgets.

The Action Programme as presented in the Main Report is a balanced programme; the timing and size of each project are designed so that they synchronise and match. The proposed combination of projects is the one, which at this point in time, appears the most suitable. If Government makes changes in the programme it will be important to maintain balance of inputs and the Government planners will require to know the implications of any proposed changes. To provide this information has been one of the main reasons for compiling the Project Forms presented in the Supporting Report.

The Forms contain summarised information on a number of subjects characterising the individual projects. All the projects together make-up the comprehensive and integrated plans described and recommended in the Supporting Reports in so far the period 1975 - 1980 is concerned. By breaking down the plans into their component parts the individual projects are identified. For instance, in the case of a plan to develop to modern agriculture an area of State Land presently covered with virgin forest, the plan would include a number of separate, although integrated, actions such as; logging and clearing the forest, planting the crops, constructing roads, building houses and schools, and the provision of public services and utilities. These and many other separate actions have been identified as projects and described, in summary, on the Project Forms. The Action Programme broken down in this way has been found to consist of approximately 500 projects. However, some of the projects are identical, for instance all primary schools are the same and in these cases only one Project Form has been completed. Thus the total number of Project Forms is only about 270.

The information in the Forms, includes: a description of the project, the estimated costs and revenues for the first 20 years of the project, its inter-relationship and inter-dependence with other projects, the recom-

mended implementing agency as well as the agency responsible for further planning and budgeting of the project. In the Main Report the projects in the Action Programme have been grouped together in tables in two ways; by years (i.e. all projects starting in the same year are brought together) and by location (i.e. all the projects within specified areas are brought together as a Development Package). This presentation of each project together with the individual Project Forms will make easier the future stages of planning for the Government, whether for general development plans or for sectoral (departmental) plans.

In this Supporting Report the Project Forms are arranged according to the year of commencement of the projects and their sectoral and departmental affiliations, and they are numbered consecutively. The form is divided into seven sections, namely:-

1. Identification;
2. Contents;
3. Costs and Revenues;
4. Derived Effects of Implementing the Project;
5. Links with other projects and with Development Packages;
6. Financing;
7. References.

Each of these items is discussed briefly below.

IDENTIFICATION SECTION

The projects are identified by number and name, and by their sectoral and departmental affiliation. On the Form this Section has spaces for each of these items. There are 8 Sectors of the economy to which a project could be allocated:-

1. Agriculture - including market gardening, livestock and fisheries;
2. Forestry;
3. Industries - including mining, building and construction;
4. Private serivces;
5. Transport;
6. Public services;
7. Public utilities;
8. Housing.

The Sector to which a project is allocated is written in full but for the departmental affiliation the following abbreviations are used. They refer to the public, semi-public and private departments and organisations associated with development.

Department of Agriculture	DA
Land and Survey Department	L & SD
Forest Department	FD
Education Department	ED
Medical Department	MD
Postal Services Department	PSD
Royal Malaysia Police	RMP
Public Works Departments	PWD
Ministry of Communication and Works	MCW
Sarawak Electricity Supply Corporation	SESCO

Department of Telecommunication	TELECOMS
Drainage and Irrigation Department	DID
State Planning Unit	SPU
Resident Office	R and DO
District Council	DC
Sarawak Land Development Board	SLDB
Sarawak Timber Industries Development Corporation	STIDC
Housing and Development Corporation	HDC
Borneo Development Corporation	BDC
National Livestock Corporation	NLC
Agricultural Development Unit	ADU
Private Development Agencies	PRIVATE

The abbreviation RBD is used for road based improvement schemes.

For each project three departmental affiliations are given. The first refers to the agency which is the direct planning authority for the project in question; the second refers to the agency which is responsible for the implementation of the project; and the third to the agency responsible for its budgetting.

CONTENTS SECTION

Here a brief description of the project is given. Care has been taken to indicate the most important price-dependent characteristics, namely size and quality of the project.

COSTS AND REVENUES SECTION

All calculations of costs and revenues have been carried out at 1973 prices. Thus the norminal growth in the cost and revenue levels due to general price increases is not included in the calculations. Such changes will have to be taken into consideration in future planning stages. Calculations based on the figures presented here will only give indications of magnitude in relation to other projects.

The quantities given for Investments refer to that expenditure expected in connection with such items as - road construction, site and land preparation, planting and maintenance of crops till the first harvest, structures and equipment.

This section of the Form includes information on possible economies of scale concerning investment and operating costs and a presentation of the unit (or item) costs and unit (or item) revenues used in the computations of the total costs and revenues.

DERIVED EFFECTS OF IMPLEMENTING THE PROJECT

At this stage of the planning process any attempt to describe the derived effects of the projects must leave several questions unanswered. However, further information will become apparent to the planning and implementing agencies as further stages of the planning are undertaken. This further information could be entered into the Forms. The ideal description would be as follows:

First, a description of the main effects on the environment of implementing the project. Generally this would be an explanation of the main purpose of the project. Second, estimates on labour requirements during the construction and operation periods. The number of employed year by year should be stated as full time employed which is defined as eight hours per day for 250 days per year. Third, a short description of input requirements, other than labour, during the construction period and for the operation of the project. This would include the most important raw materials and other basic inputs such as water, fuel and electricity. Fourth, an estimate of the net requirements of foreign exchange. This would be the value of imported materials necessary to implement and run the project, less the export value of commodities produced by the project.

LINK SECTION

Here the inter-relationship between the project described in the Form and other projects is indicated. There have been two objectives in giving this information. First, it has made it possible to build up the Development Packages presented in the Action Programme. Second, to indicate to the Government planners how a change or removal of a project will affect the Action Programme.

FINANCING SECTION

Eight possible sources of finance are listed and the source considered most likely for the particular project is indicated by a cross in the appropriate space. Some projects will have more than one possible source for financing, necessitating more than one cross. The marking of financial possibilities in this way does not give a picture of the overall financing of the whole development byt only an indication of possible sources from which the project would normally be financed.

REFERENCES SECTION

Here references are made to the Supporting Reports where the particular project is more fully described.

IDENTIFICATION

PROJECT NUMBER: 1 SECTOR: AGRICULTURE

DEPARTMENT — PLANNING: / IMPLEMENTATION: / BUGET: — DEPARTMENT OF AGRICULTURE

NAME OF PROJECT: Semi-detailed Soil Survey

CONTENTS

DESCRIPTION: Soil survey teams to carry out semi-detailed soil surveys of land designated as possibly suitable for agriculture. Each team capable of surveying 30 000 acres per annum.

COSTS AND REVENUES (1973 PRICES)

TOTAL INVESTMENT COSTS: $100 000 per 30 000 acres INVESTMENT PERIOD: 1 year

INVESTMENT YEAR BY YEAR:

1: $100 000	2:	3:	4:	5:
6:	7:	8:	9:	10:

OPERATING COSTS YEAR BY YEAR:

1: $215 000	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

REVENUES YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

SHORT DESCRIPTION OF POSSIBLE ECONOMIES OF SCALE CONCERNING INVESTMENT AND OPERATION COSTS

UNIT (OR ITEM) COSTS AND UNIT (OR ITEM) REVENUES: Per team

2 Soil Surveyors	$18 000
4 Soil Survey Assistants	$ 5 500
4 Drivers	$ 2 900
20 Labourers	$ 2 100

Average cost per acre surveyed $7.00

DERIVED EFFECTS OF IMPLEMENTING THE PROJECT

MAIN EFFECTS ON THE ENVIRONMENT:

EMPLOYMENT:

YEAR	CONSTRUCTION				OPERATION			
	PROFESSIO-NALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL	PROFESSIO-NALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL
1								
2								
3								
4								
5								
6								
7								
8								
9								
10								

INPUT OTHER THAN LABOUR: CONSTRUCTION (C), OPERATION (O)

YEARLY PRODUCTION:

NET REQUIREMENTS OF FOREIGN EXCHANGE YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

LINKS

LINKS TO OTHER PROJECTS AND DEVELOPMENT PACKAGES

NO: NAME:
NO: NAME:
NO: NAME:
NO: NAME:
NO: NAME:
NO: NAME:
NO: NAME:

FINANCING

POSSIBILITIES OF FINANCING:

1: FEDERAL GOVERNMENT	☐	2: STATE GOVERNMENT	☐
3: LOCAL GOVERNMENT	☐	4: STATUTORY BODIES	☐
5: PUBLIC FUNDS	☐	6: PRIVATE DOMESTIC SAVINGS	☐
7: PRIVATE FOREIGN LOANS	☐	8: PUBLIC FOREIGN LOANS	☐

REFERENCES

REFERENCES:

1:
2:
3:
4:
5:

IDENTIFICATION

PROJECT NUMBER: 2 SECTOR: AGRICULTURE/FORESTRY

DEPARTMENT — PLANNING: / IMPLEMENTATION: / BUGET: } L 4 SD/FD

NAME OF PROJECT: Boundary demarcation

CONTENTS

DESCRIPTION: Demarcate boundaries between agricultural and forestry land.

COSTS AND REVENUES (1973 PRICES)

TOTAL INVESTMENT COSTS: INVESTMENT PERIOD:

INVESTMENT YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:

OPERATING COSTS YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

REVENUES YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

SHORT DESCRIPTION OF POSSIBLE ECONOMIES OF SCALE CONCERNING INVESTMENT AND OPERATION COSTS

UNIT (OR ITEM) COSTS AND UNIT (OR ITEM) REVENUES:

Cost per mile - $4.00

DERIVED EFFECTS OF IMPLEMENTING THE PROJECT

MAIN EFFECTS ON THE ENVIRONMENT:

EMPLOYMENT:

YEAR	CONSTRUCTION				OPERATION			
	PROFESSIO-NALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL	PROFESSIO-NALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL
1								
2								
3								
4								
5								
6								
7								
8								
9								
10								

INPUT OTHER THAN LABOUR: CONSTRUCTION (C), OPERATION (O)

YEARLY PRODUCTION:

NET REQUIREMENTS OF FOREIGN EXCHANGE YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

LINKS

LINKS TO OTHER PROJECTS AND DEVELOPMENT PACKAGES

NO: NAME:
NO: NAME:
NO: NAME:
NO: NAME:
NO: NAME:
NO: NAME:
NO: NAME:

FINANCING

POSSIBILITIES OF FINANCING:

1: FEDERAL GOVERNMENT ☐
2: STATE GOVERNMENT ☐
3: LOCAL GOVERNMENT ☐
4: STATUTORY BODIES ☐
5: PUBLIC FUNDS ☐
6: PRIVATE DOMESTIC SAVINGS ☐
7: PRIVATE FOREIGN LOANS ☐
8: PUBLIC FOREIGN LOANS ☐

REFERENCES

REFERENCES:

1:
2:
3:
4:
5:

IDENTIFICATION

PROJECT NUMBER: 3 SECTOR: AGRICULTURE

DEPARTMENT
PLANNING: SLDB
IMPLEMENTATION: SLDB
BUGET: SLDB

NAME OF PROJECT: Clearing, Planting, Operating – LAMBIR-SUBIS SOUTH

CONTENTS

DESCRIPTION: Clearing, planting and operating of 21 385 acres of oil palm.

COSTS AND REVENUES (1973 PRICES)

TOTAL INVESTMENT COSTS: $16 970 000 INVESTMENT PERIOD: 1975 - 1977

INVESTMENT YEAR BY YEAR: $'000

1: $6 084	2: $5 630	3: $5 256	4:	5:
6:	7:	8:	9:	10:

OPERATING COSTS YEAR BY YEAR: $'000

1:	2: $1 222	3: $3 019	4: $6 993	5: $7 533
6: $7 899	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

REVENUES YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

SHORT DESCRIPTION OF POSSIBLE ECONOMIES OF SCALE CONCERNING INVESTMENT AND OPERATION COSTS

UNIT (OR ITEM) COSTS AND UNIT (OR ITEM) REVENUES:

Refer Bukit Peninjau Road Based Improvement Scheme

DERIVED EFFECTS OF IMPLEMENTING THE PROJECT

MAIN EFFECTS ON THE ENVIRONMENT:

EMPLOYMENT:

YEAR	CONSTRUCTION				OPERATION			
	PROFESSIO-NALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL	PROFESSIO-NALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL
			Field workers				Field workers	
1975			960				264	
1976			876				842	
1977							1 880	
1978							1 763	
1979							1 583	
1980							1 583	

INPUT OTHER THAN LABOUR: CONSTRUCTION (C), OPERATION (O)

Refer Bukit Peninjau Road Based Improvement Scheme

YEARLY PRODUCTION:

Oil palm production in year 1982 (192 500 tons of ffb)

NET REQUIREMENTS OF FOREIGN EXCHANGE YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

LINKS

LINKS TO OTHER PROJECTS AND DEVELOPMENT PACKAGES

NO: 1	NAME: Lambir-Subis South Rural Development
NO: 18	NAME: Bukit Peninjau RBD Rural Development
NO: 19	NAME: Bukit Peninjau RBD Operation Project
NO:	NAME:
NO:	NAME:
NO:	NAME:
NO:	NAME:

FINANCING

POSSIBILITIES OF FINANCING:

1: FEDERAL GOVERNMENT		2: STATE GOVERNMENT	
3: LOCAL GOVERNMENT		4: STATUTORY BODIES	✓
5: PUBLIC FUNDS		6: PRIVATE DOMESTIC SAVINGS	
7: PRIVATE FOREIGN LOANS		8: PUBLIC FOREIGN LOANS	

REFERENCES

REFERENCES:

1: Supporting Report 2, Part II
2:
3:
4:
5:

IDENTIFICATION

PROJECT NUMBER: 4 SECTOR: AGRICULTURE

DEPARTMENT — PLANNING: SLDB; IMPLEMENTATION: SLDB; BUGET: SLDB

NAME OF PROJECT: Management SLDB - LAMBIR-SUBIS SOUTH

CONTENTS

DESCRIPTION: Management of 21 385 acres of oil palm planted in 1972, 1973 and 1974.

COSTS AND REVENUES (1973 PRICES)

TOTAL INVESTMENT COSTS: $1 254 000 INVESTMENT PERIOD: 1975 - 1976

INVESTMENT YEAR BY YEAR: $'000

1: $596	2: $658	3:	4:	5:
6:	7:	8:	9:	10:

OPERATING COSTS YEAR BY YEAR: $'000

1: $1 029	2: $1 116	3: $1 116	4: $1 116	5: $1 116
6: $1 116	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

REVENUES YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

SHORT DESCRIPTION OF POSSIBLE ECONOMIES OF SCALE CONCERNING INVESTMENT AND OPERATION COSTS

UNIT (OR ITEM) COSTS AND UNIT (OR ITEM) REVENUES:

DERIVED EFFECTS OF IMPLEMENTING THE PROJECT

MAIN EFFECTS ON THE ENVIRONMENT:

EMPLOYMENT:

YEAR	CONSTRUCTION				OPERATION			
	PROFESSIONALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL	PROFESSIONALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL
	Management				Management			
1975					77			77
1976					94			94
1977					94			94
1978					94			94
1979					94			94
1980					94			94

INPUT OTHER THAN LABOUR: CONSTRUCTION (C), OPERATION (O)
Management

YEARLY PRODUCTION:

NET REQUIREMENTS OF FOREIGN EXCHANGE YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

LINKS

LINKS TO OTHER PROJECTS AND DEVELOPMENT PACKAGES

NO: 1 NAME: Lambir-Subis South Rural Development
NO: NAME:
NO: NAME:
NO: NAME:
NO: NAME:
NO: NAME:
NO: NAME:

FINANCING

POSSIBILITIES OF FINANCING:

1: FEDERAL GOVERNMENT		2: STATE GOVERNMENT	
3: LOCAL GOVERNMENT		4: STATUTORY BODIES	✓
5: PUBLIC FUNDS		6: PRIVATE DOMESTIC SAVINGS	
7: PRIVATE FOREIGN LOANS		8: PUBLIC FOREIGN LOANS	

REFERENCES

REFERENCES:

1: Supporting Report 2, Part III
2:
3:
4:
5:

IDENTIFICATION

PROJECT NUMBER: 5 SECTOR: AGRICULTURE

DEPARTMENT
PLANNING: SLDB
IMPLEMENTATION: SLDB
BUGET: SLDB

NAME OF PROJECT: Clearing, Planting and Operating - LAMBIR-SUBIS NORTH

CONTENTS

DESCRIPTION: Clearing, planting and operating 10 165 acres of crops.
Oil palm - 8 285 acres planted in 1970, 71, 72 and 74
Rubber - 1 880 acres planted between 1964 and 1968

COSTS AND REVENUES (1973 PRICES)

TOTAL INVESTMENT COSTS: $4 345 000 INVESTMENT PERIOD: 1975 - 1977

INVESTMENT YEAR BY YEAR: $'000

1: $1 863	2: $949	3: $1 533	4:	5:
6:	7:	8:	9:	10:

OPERATING COSTS YEAR BY YEAR: $'000

1: $795	2: $1 588	3: $1 712	4: $2 871	5: $3 000
6: $3 091	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

REVENUES YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

SHORT DESCRIPTION OF POSSIBLE ECONOMIES OF SCALE CONCERNING INVESTMENT AND OPERATION COSTS

UNIT (OR ITEM) COSTS AND UNIT (OR ITEM) REVENUES:
Refer Bukit Peninjau Road Based Improvement Scheme

DERIVED EFFECTS OF IMPLEMENTING THE PROJECT

MAIN EFFECTS ON THE ENVIRONMENT:

EMPLOYMENT:

YEAR	CONSTRUCTION				OPERATION			
	PROFESSIONALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL	PROFESSIONALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL
	Management		Field workers		Management		Field workers	
1975			165				405	
1976			256				375	
1977							662	
1978							652	
1979							599	
1980							599	

INPUT OTHER THAN LABOUR: CONSTRUCTION (C), OPERATION (O)
Refer Bukit Peninjau Road Based Improvement Scheme

YEARLY PRODUCTION:
Rubber peak production in year 1976 (850 tons of drc)
Oil palm peak production in year 1981 (74 500 tons of ffb)

NET REQUIREMENTS OF FOREIGN EXCHANGE YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

LINKS

LINKS TO OTHER PROJECTS AND DEVELOPMENT PACKAGES

NO: 2	NAME: Lambir-Subis North Rural Development
NO: 18	NAME: Bukit Peninjau RBD Rural Development
NO: 19	NAME: Bukit Peninjau RBD Operation Project
NO:	NAME:
NO:	NAME:
NO:	NAME:
NO:	NAME:

FINANCING

POSSIBILITIES OF FINANCING:

1: FEDERAL GOVERNMENT		2: STATE GOVERNMENT	
3: LOCAL GOVERNMENT		4: STATUTORY BODIES	✓
5: PUBLIC FUNDS		6: PRIVATE DOMESTIC SAVINGS	
7: PRIVATE FOREIGN LOANS		8: PUBLIC FOREIGN LOANS	

REFERENCES

REFERENCES:
1:
2:
3:
4:
5:

IDENTIFICATION

PROJECT NUMBER: 6 SECTOR: AGRICULTURE

DEPARTMENT — PLANNING: SLDB; IMPLEMENTATION: SLDB; BUGET: SLDB

NAME OF PROJECT: Management - LAMBIR-SUBIS NORTH

CONTENTS

DESCRIPTION: Management of 10 165 acres of crops - oil palm and rubber
8 285 acres of oil palm planted between 1970 and 1974
1 880 acres of rubber planted between 1964 and 1968

COSTS AND REVENUES (1973 PRICES)

TOTAL INVESTMENT COSTS: $279 000 INVESTMENT PERIOD: 1975 to 1976

INVESTMENT YEAR BY YEAR: $'000

1: $87	2: $192	3:	4:	5:
6:	7:	8:	9:	10:

OPERATING COSTS YEAR BY YEAR: $'000

1: $407	2: $432	3: $432	4: $432	5: $432
6: $432	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

REVENUES YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

SHORT DESCRIPTION OF POSSIBLE ECONOMIES OF SCALE CONCERNING INVESTMENT AND OPERATION COSTS

UNIT (OR ITEM) COSTS AND UNIT (OR ITEM) REVENUES:

DERIVED EFFECTS OF IMPLEMENTING THE PROJECT

MAIN EFFECTS ON THE ENVIRONMENT:

EMPLOYMENT:

YEAR	CONSTRUCTION				OPERATION			
	PROFESSIONALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL	PROFESSIONALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL
					Management			
1975					32			32
1976					37			37
1977					37			37
1978					37			37
1979					37			37
1980					37			37

INPUT OTHER THAN LABOUR: CONSTRUCTION (C), OPERATION (O)

YEARLY PRODUCTION:

NET REQUIREMENTS OF FOREIGN EXCHANGE YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

LINKS

LINKS TO OTHER PROJECTS AND DEVELOPMENT PACKAGES

NO: 2 NAME: Lambir-Subis North Rural Development
NO: NAME:
NO: NAME:
NO: NAME:
NO: NAME:
NO: NAME:
NO: NAME:

FINANCING

POSSIBILITIES OF FINANCING:

1: FEDERAL GOVERNMENT		2: STATE GOVERNMENT	
3: LOCAL GOVERNMENT		4: STATUTORY BODIES	✓
5: PUBLIC FUNDS		6: PRIVATE DOMESTIC SAVINGS	
7: PRIVATE FOREIGN LOANS		8: PUBLIC FOREIGN LOANS	

REFERENCES

REFERENCES:

1: Supporting Report 2, Part III
2:
3:
4:
5:

IDENTIFICATION

PROJECT NUMBER: 7 SECTOR: AGRICULTURE

DEPARTMENT — PLANNING: SLDB; IMPLEMENTATION: SLDB; BUGET: SLDB

NAME OF PROJECT: LAMBIR-SUBIS - Oil palm factory

CONTENTS

DESCRIPTION: Oil palm mill located in the Lambir-Subis area
A mill with a capacity of 60 tons of ffb per hour
Housing and offices

COSTS AND REVENUES (1973 PRICES)

TOTAL INVESTMENT COSTS: $7 370 000 INVESTMENT PERIOD: 1975 to 1977

INVESTMENT YEAR BY YEAR: $'000

1: $3 828	2:	3: $3 542	4:	5:
6:	7:	8:	9:	10:

OPERATING COSTS YEAR BY YEAR: $'000

1:	2: $10 960	3: $17 562	4: $21 516	5: $23 110
6: $23 830	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

REVENUES YEAR BY YEAR:

1:	2: $9 915	3: $16 576	4: $20 886	5: $22 398
6: $23 078	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

SHORT DESCRIPTION OF POSSIBLE ECONOMIES OF SCALE CONCERNING INVESTMENT AND OPERATION COSTS

UNIT (OR ITEM) COSTS AND UNIT (OR ITEM) REVENUES:

Processing at $20 per ton of ffb in 1976 reducing to $12 per ton of ffb in 1978 and onwards.

Distribution of { oil at $12.35 per ton; kernels at $10.80 per ton }

60 ton mill capital cost - $9.5 million*

Note: * Part of the cost would have been met in 1974

DERIVED EFFECTS OF IMPLEMENTING THE PROJECT

MAIN EFFECTS ON THE ENVIRONMENT:

EMPLOYMENT:

YEAR	CONSTRUCTION				OPERATION			
	PROFESSIO-NALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL	PROFESSIO-NALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL
1975					7			7
1976					14		62	76
1977					15		90	105
1978					22		130	152
1979					22		130	152
1980					22		130	152

INPUT OTHER THAN LABOUR: CONSTRUCTION (C), OPERATION (O)

YEARLY PRODUCTION:

95 900 tons of ffb in 1976 - 259 200 tons in 1980

NET REQUIREMENTS OF FOREIGN EXCHANGE YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

LINKS

LINKS TO OTHER PROJECTS AND DEVELOPMENT PACKAGES

NO: NAME:
NO: NAME:
NO: NAME:
NO: NAME:
NO: NAME:
NO: NAME:
NO: NAME:

FINANCING

POSSIBILITIES OF FINANCING:

1: FEDERAL GOVERNMENT		2: STATE GOVERNMENT	
3: LOCAL GOVERNMENT		4: STATUTORY BODIES	✓
5: PUBLIC FUNDS		6: PRIVATE DOMESTIC SAVINGS	
7: PRIVATE FOREIGN LOANS		8: PUBLIC FOREIGN LOANS	

REFERENCES

REFERENCES:

1: Supporting Report 2, Part II
2:
3:
4:
5:

IDENTIFICATION

PROJECT NUMBER: 8 SECTOR: AGRICULTURE

DEPARTMENT
PLANNING: SLDB
IMPLEMENTATION: SLDB
BUGET: SLDB

NAME OF PROJECT: Clearing, planting and operating - Igang, Sawai and Jatan areas

CONTENTS

DESCRIPTION: Clearing, planting and operating of 13 690 acres of crops.
Oil palm 11 185 acres
Rubber 1 785 acres
Cocoa 720 acres

COSTS AND REVENUES (1973 PRICES)

TOTAL INVESTMENT COSTS: $13 900 000 (1975 to 1980 - $10 370 000) INVESTMENT PERIOD: 1975 to 1986

INVESTMENT YEAR BY YEAR: $'000

1: $352	2: $1 544	3: $864	4: $2 566	5: $1 219
6: $3 825	7: $1 122	8: $2 018	9: $1 739	10: $89
11: $106	12: $21			

OPERATING COSTS YEAR BY YEAR: $'000

1:	2:	3:	4:	5: $874
6: $905	7: $1 578	8: $1 685	9: $3 147	10: $3 309
11: $3 196	12: $3 331	13: $3 348	14: $3 308	15: $3 330
16: $3 334	17: $3 355	18: $3 395	19: $3 399	20: $3 432

REVENUES YEAR BY YEAR: $'000

1:	2:	3:	4:	5: $845
6: $1 503	7: $2 492	8: $3 400	9: $5 125	10: $6 415
11: $7 208	12: $7 638	13: $7 838	14: $7 926	15: $7 904
16: $7 914	17: $7 857	18: $7 815	19: $7 699	20: $7 606

SHORT DESCRIPTION OF POSSIBLE ECONOMIES OF SCALE CONCERNING INVESTMENT AND OPERATION COSTS

UNIT (OR ITEM) COSTS AND UNIT (OR ITEM) REVENUES:

Refer Bukit Peninjau Road Based Improvement Scheme

DERIVED EFFECTS OF IMPLEMENTING THE PROJECT

MAIN EFFECTS ON THE ENVIRONMENT:

EMPLOYMENT:

YEAR	CONSTRUCTION				OPERATION			
	PROFESSIO-NALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL	PROFESSIO-NALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL
			Field workers				Field workers	
1975			265					
1976			332					
1977			435					
1978			595					
1979			725				299	
1980			884				289	
1981			494				481	

INPUT OTHER THAN LABOUR: CONSTRUCTION (C), OPERATION (O)

Refer Bukit Peninjau Road Based Improvement Scheme

YEARLY PRODUCTION:

Oil palm peak production in year 1988 (100 000 tons of ffb)
Rubber peak production in year 1993 (1 430 tons of drc)
Cocoa peak production in year 1985 (480 tons of dbe)

NET REQUIREMENTS OF FOREIGN EXCHANGE YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

LINKS

LINKS TO OTHER PROJECTS AND DEVELOPMENT PACKAGES

NO: 5	NAME: Igang Estate Rural Development
NO: 18	NAME: Bukit Peninjau RBD Rural Development
NO: 19	NAME: Bukit Peninjau RBD Operation Project
NO:	NAME:
NO:	NAME:
NO:	NAME:
NO:	NAME:

FINANCING

POSSIBILITIES OF FINANCING:

1: FEDERAL GOVERNMENT		2: STATE GOVERNMENT	
3: LOCAL GOVERNMENT		4: STATUTORY BODIES	✓
5: PUBLIC FUNDS		6: PRIVATE DOMESTIC SAVINGS	
7: PRIVATE FOREIGN LOANS		8: PUBLIC FOREIGN LOANS	

REFERENCES

REFERENCES:

1:
2:
3:
4:
5:

IDENTIFICATION

PROJECT NUMBER: 9 SECTOR: AGRICULTURE

DEPARTMENT — PLANNING: SLDB; IMPLEMENTATION: SLDB; BUGET: SLDB

NAME OF PROJECT: Management SLDB - Igang, Sawai and Jatan areas

CONTENTS

DESCRIPTION: SLDB Management of 13 690 acres of cropped area.

COSTS AND REVENUES (1973 PRICES)

TOTAL INVESTMENT COSTS: $967 000 INVESTMENT PERIOD: 1975 to 1980

INVESTMENT YEAR BY YEAR: $'000

1: $57	2: $70	3: $144	4: $286	5: $100
6: $310	7:	8:	9:	10:

OPERATING COSTS YEAR BY YEAR: $'000

1: $42	2: $137	3: $214	4: $336	5: $336
6: $448	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

REVENUES YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

SHORT DESCRIPTION OF POSSIBLE ECONOMIES OF SCALE CONCERNING INVESTMENT AND OPERATION COSTS

UNIT (OR ITEM) COSTS AND UNIT (OR ITEM) REVENUES:

DERIVED EFFECTS OF IMPLEMENTING THE PROJECT

MAIN EFFECTS ON THE ENVIRONMENT:

EMPLOYMENT:

YEAR	CONSTRUCTION				OPERATION			
	PROFESSIONALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL	PROFESSIONALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL
					Management			
1975					7			7
1976					11			11
1977					21			21
1978					30			30
1979					44			44
1980					56			56

INPUT OTHER THAN LABOUR: CONSTRUCTION (C), OPERATION (O)

YEARLY PRODUCTION:

NET REQUIREMENTS OF FOREIGN EXCHANGE YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

LINKS

LINKS TO OTHER PROJECTS AND DEVELOPMENT PACKAGES

NO: 5 NAME: Igang Estate Rural Development
NO: NAME:
NO: NAME:
NO: NAME:
NO: NAME:
NO: NAME:
NO: NAME:

FINANCING

POSSIBILITIES OF FINANCING:

1: FEDERAL GOVERNMENT		2: STATE GOVERNMENT	
3: LOCAL GOVERNMENT		4: STATUTORY BODIES	✓
5: PUBLIC FUNDS		6: PRIVATE DOMESTIC SAVINGS	
7: PRIVATE FOREIGN LOANS		8: PUBLIC FOREIGN LOANS	

REFERENCES

REFERENCES:

1: Supporting Report 2, Parts II and III
2:
3:
4:
5:

IDENTIFICATION

PROJECT NUMBER: 10 SECTOR: AGRICULTURE

DEPARTMENT — PLANNING: SLDB; IMPLEMENTATION: SLDB; BUGET: SLDB

NAME OF PROJECT: Clearing, planting and operating - Mera-a area

CONTENTS

DESCRIPTION: Clearing, planting and operating of 3 080 acres - Small holder scheme
Oil palm - 1 890 acres
Rubber - 875 acres
Cocoa - 120 acres
Rice - 195 acres

COSTS AND REVENUES (1973 PRICES)

TOTAL INVESTMENT COSTS: $3 225 000 (1975 to 1980 - $2 901 000)

INVESTMENT PERIOD: 1974 to 1982

INVESTMENT YEAR BY YEAR: $'000

1: $300	2: $1 326	3: $528	4: $749	5: $96
6: $81	7: $121	8: $24	9:	10:

OPERATING COSTS YEAR BY YEAR: $'000

1:	2:	3:	4: $21	5: $557
6: $580	7: $529	8: $699	9: $746	10: $740
11: $749	12: $752	13: $772	14: $774	15: $760
16: $780	17: $760	18: $803	19: $801	20: $801

REVENUES YEAR BY YEAR:

1:	2:	3:	4: $127	5: $585
6: $947	7: $1 175	8: $1 438	9: $1 594	10: $1 678
11: $1 713	12: $1 740	13: $1 760	14: $1 781	15: $1 790
16: $1 778	17: $1 753	18: $1 741	19: $1 716	20: $1 692

SHORT DESCRIPTION OF POSSIBLE ECONOMIES OF SCALE CONCERNING INVESTMENT AND OPERATION COSTS

UNIT (OR ITEM) COSTS AND UNIT (OR ITEM) REVENUES:

Refer Bukit Peninjau Road Based Improvement Scheme

DERIVED EFFECTS OF IMPLEMENTING THE PROJECT

MAIN EFFECTS ON THE ENVIRONMENT: 194 farms benefited

EMPLOYMENT:

YEAR	CONSTRUCTION				OPERATION			
	PROFESSIONALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL	PROFESSIONALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL
			Field workers				Field workers	
1974			214					
1975			312					
1976			202				29	
1977			207				29	
1978			59				203	
1979			30				217	
1980			27				181	
1981							208	

INPUT OTHER THAN LABOUR: CONSTRUCTION (C), OPERATION (O)

Refer Bukit Peninjau Road Based Improvement Scheme

YEARLY PRODUCTION:
Oil palm peak production in year 1983 (17 000 tons of ffb)
Rubber peak production in year 1988 (700 tons of drc)
Cocoa peak production in year 1980 (80 tons of dbe)
Rice peak production in year 1979 (240 tons of padi)

NET REQUIREMENTS OF FOREIGN EXCHANGE YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

LINKS

LINKS TO OTHER PROJECTS AND DEVELOPMENT PACKAGES

NO: 3	NAME: Mera-a Rural Development
NO: 18	NAME: Bukit Peninjau RBD Rural Development
NO: 19	NAME: Bukit Peninjau RBD Operation Project
NO:	NAME:
NO:	NAME:
NO:	NAME:
NO:	NAME:

FINANCING

POSSIBILITIES OF FINANCING:

1: FEDERAL GOVERNMENT		2: STATE GOVERNMENT	
3: LOCAL GOVERNMENT		4: STATUTORY BODIES	✓
5: PUBLIC FUNDS		6: PRIVATE DOMESTIC SAVINGS	
7: PRIVATE FOREIGN LOANS		8: PUBLIC FOREIGN LOANS	

REFERENCES

REFERENCES:

1: Supporting Report 2, Part II
2:
3:
4:
5:

IDENTIFICATION

PROJECT NUMBER: 11 SECTOR: AGRICULTURE

DEPARTMENT — PLANNING: SLDB; IMPLEMENTATION: SLDB; BUGET: SLDB

NAME OF PROJECT: Management SLDB - Mera-a Public

CONTENTS

DESCRIPTION: SLDB Management of 3 080 acres of cropped land.

Equipment:
Tractor rotavator, power tiller, thresher, power knapsack, 3 manual knapsack, small tools, lorries, land rover

COSTS AND REVENUES (1973 PRICES)

TOTAL INVESTMENT COSTS: $263 000 INVESTMENT PERIOD: 1975 to 1977

INVESTMENT YEAR BY YEAR: $'000

1: $107	2: $52	3: $104	4:	5:
6:	7:	8:	9:	10:

OPERATING COSTS YEAR BY YEAR: $'000

1: $124	2: $142	3: $156	4: $156	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

REVENUES YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

SHORT DESCRIPTION OF POSSIBLE ECONOMIES OF SCALE CONCERNING INVESTMENT AND OPERATION COSTS

UNIT (OR ITEM) COSTS AND UNIT (OR ITEM) REVENUES:

Refer Bukit Peninjau Road Based Improvement Scheme

Land rover - $18 000

DERIVED EFFECTS OF IMPLEMENTING THE PROJECT

MAIN EFFECTS ON THE ENVIRONMENT: 194 farms benefited

EMPLOYMENT:

YEAR	CONSTRUCTION				OPERATION			
	PROFESSIO-NALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL	PROFESSIO-NALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL
1975					11			11
1976					11			11
1977					13			13
1978					13			13
1979					13			13
1980					13			13

INPUT OTHER THAN LABOUR: CONSTRUCTION (C), OPERATION (O)

YEARLY PRODUCTION:

NET REQUIREMENTS OF FOREIGN EXCHANGE YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

LINKS

LINKS TO OTHER PROJECTS AND DEVELOPMENT PACKAGES

NO: 3	NAME: Mera-a Rural Development
NO: 18	NAME: Bukit Peninjau RBD Rural Development
NO: 14	NAME: Bukit Peninjau RBD Management Project
NO:	NAME:
NO:	NAME:
NO:	NAME:
NO:	NAME:

FINANCING

POSSIBILITIES OF FINANCING:

1: FEDERAL GOVERNMENT		2: STATE GOVERNMENT	
3: LOCAL GOVERNMENT		4: STATUTORY BODIES	✓
5: PUBLIC FUNDS		6: PRIVATE DOMESTIC SAVINGS	
7: PRIVATE FOREIGN LOANS		8: PUBLIC FOREIGN LOANS	

REFERENCES

REFERENCES:

1: Supporting Report 2, Part III
2:
3:
4:
5:

IDENTIFICATION

PROJECT NUMBER: 12 SECTOR: AGRICULTURE

DEPARTMENT
PLANNING: AGRDEP
IMPLEMENTATION: ADU
BUGET: AGRDEP

NAME OF PROJECT: Management ADU, Sepupok, Batu Niah RBD areas

CONTENTS

DESCRIPTION: ADU management of 9 305 acres of cropped land

Equipment:
6 Power tiller
6 Power thresher
6 Power knapsack
10 Manual knapsack
Tractor and rotavator
Lorry

Quarters by 1980:
2 Class B
14 Class C
15 Class D

COSTS AND REVENUES (1973 PRICES)

TOTAL INVESTMENT COSTS: $559 000 INVESTMENT PERIOD: 1975 to 1980

INVESTMENT YEAR BY YEAR: $'000

1: $222	2: 0	3: $190	4: $53	5: $41
6: $53	7:	8:	9:	10:

OPERATING COSTS YEAR BY YEAR: $'000

1: $53	2: $57	3: $100	4: $113	5: $125
6: $134	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

REVENUES YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

SHORT DESCRIPTION OF POSSIBLE ECONOMIES OF SCALE CONCERNING INVESTMENT AND OPERATION COSTS

UNIT (OR ITEM) COSTS AND UNIT (OR ITEM) REVENUES:

Refer Bukit Peninjau Road Based Improvement Scheme

DERIVED EFFECTS OF IMPLEMENTING THE PROJECT

MAIN EFFECTS ON THE ENVIRONMENT: 575 farmers benefited by 1982

EMPLOYMENT:

YEAR	CONSTRUCTION				OPERATION			
	PROFESSIO-NALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL	PROFESSIO-NALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL
1975					11			11
1976					11			11
1977					20			20
1978					23			23
1979					26			26
1980					29			29

INPUT OTHER THAN LABOUR: CONSTRUCTION (C), OPERATION (O)

YEARLY PRODUCTION:

NET REQUIREMENTS OF FOREIGN EXCHANGE YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

LINKS

LINKS TO OTHER PROJECTS AND DEVELOPMENT PACKAGES

NO: 4 NAME: Sepupok and Batu Niah Rural Development
NO: 18 NAME: Bukit Peninjau RBD Rural Development
NO: 14 NAME: Bukit Peninjau Improvement Project
NO: NAME:
NO: NAME:
NO: NAME:
NO: NAME:

FINANCING

POSSIBILITIES OF FINANCING:

1: FEDERAL GOVERNMENT		2: STATE GOVERNMENT	
3: LOCAL GOVERNMENT		4: STATUTORY BODIES	
5: PUBLIC FUNDS	✓	6: PRIVATE DOMESTIC SAVINGS	
7: PRIVATE FOREIGN LOANS		8: PUBLIC FOREIGN LOANS	

REFERENCES

REFERENCES:

1: Supporting Report 2, Part III
2:
3:
4:
5:

IDENTIFICATION

PROJECT NUMBER: 13 SECTOR: AGRICULTURE

DEPARTMENT

PLANNING: AGRICULTURE
IMPLEMENTATION: PRIVATE
BUGET: AGRICULTURE

NAME OF PROJECT: Clearing, planting and operating - Sepupok and Batu Niah Road Based Development

CONTENTS

DESCRIPTION: Road Based Development
Clearing, planting and operating of 9 305 acres:
(Planting commences in 1976 and finishes in 1982)

Oil palm	3 255 acres
Rubber	3 795 acres
Cocoa	755 acres
Rice	595 acres
Other crops	905 acres

525 farmers

COSTS AND REVENUES (1973 PRICES)

TOTAL INVESTMENT COSTS: $6 869 000 INVESTMENT PERIOD: 1975 to 1988 inclusive
(1975 to 1980 - $3 653 000)

INVESTMENT YEAR BY YEAR: $'000

1: $90	2: $448	3: $498	4: $907	5: $885
6: $825	7: $956	8: $1 086	9: $524	10: $272
11: $168	12: $115	13: $72	14: $23	

OPERATING COSTS YEAR BY YEAR: $'000

1:	2:	3: $28	4: $105	5: $246
6: $415	7: $628	8: $889	9: $1 153	10: $1 504
11: $1 777	12: $1 908	13: $2 043	14: $2 226	15: $2 281
16: $2 281	17: $2 281	18: $2 281	19: $2 281	20: $2 281

REVENUES YEAR BY YEAR: $'000

1:	2:	3: $39	4: $72	5: $264
6: $469	7: $829	8: $1 291	9: $1 805	10: $2 319
11: $2 902	12: $3 289	13: $3 589	14: $3 840	15: $3 952
16: $3 952	17: $3 952	18: $3 952	19: $3 952	20: $3 952

SHORT DESCRIPTION OF POSSIBLE ECONOMIES OF SCALE CONCERNING INVESTMENT AND OPERATION COSTS

UNIT (OR ITEM) COSTS AND UNIT (OR ITEM) REVENUES:

Refer Bukit Peninjau Road Based Improvement Scheme

DERIVED EFFECTS OF IMPLEMENTING THE PROJECT

MAIN EFFECTS ON THE ENVIRONMENT: 575 farmers benefited by 1982

EMPLOYMENT:

YEAR	CONSTRUCTION				OPERATION			
	PROFESSIO-NALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL	PROFESSIO-NALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL
			Field workers				Field workers	
1975			150					
1976			210					
1977			450					
1978			610					
1979							740	
1980							900	
1981							1 410	

INPUT OTHER THAN LABOUR: CONSTRUCTION (C), OPERATION (O)

Refer Bukit Peninjau Road Based Improvement Scheme

YEARLY PRODUCTION:

Oil palm	peak production in year 1989	(24 700 tons of ffb)
Rubber	peak production in year 1995	(2 580 tons of drc)
Cocoa	peak production in year 1987	(430 tons of dbe)
Rice	peak production in year 1986	(730 tons of padi)

NET REQUIREMENTS OF FOREIGN EXCHANGE YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

LINKS

LINKS TO OTHER PROJECTS AND DEVELOPMENT PACKAGES

NO: 4	NAME: Sepupok and Batu Niah Rural Development
NO: 18	NAME: Bukit Peninjau RBD Rural Development
NO: 19	NAME: Bukit Peninjau Improvement Project
NO:	NAME:
NO:	NAME:
NO:	NAME:
NO:	NAME:

FINANCING

POSSIBILITIES OF FINANCING:

1: FEDERAL GOVERNMENT		2: STATE GOVERNMENT	
3: LOCAL GOVERNMENT		4: STATUTORY BODIES	
5: PUBLIC FUNDS	✓	6: PRIVATE DOMESTIC SAVINGS	
7: PRIVATE FOREIGN LOANS		8: PUBLIC FOREIGN LOANS	

REFERENCES

REFERENCES:

1: Supporting Report 2, Part II
2:
3:
4:
5:

IDENTIFICATION

PROJECT NUMBER: 14 SECTOR: AGRICULTURE

DEPARTMENT
PLANNING: AGRICULTURE
IMPLEMENTATION: ADU
BUGET: AGRICULTURE

NAME OF PROJECT: ADU Management - Bukit Peninjau Road Based Improvement Scheme

CONTENTS

DESCRIPTION: ADU Management

Equipment:
4 Power tiller
4 Power thresher
4 Power knapsack
8 Manual knapsack
Small tools
Tractor and rotavator
Lorry

Quarters by 1980:
2 Class B
12 Class C
9 Class D

COSTS AND REVENUES (1975 PRICES)

TOTAL INVESTMENT COSTS: $477 000 INVESTMENT PERIOD: 1975 to 1980

INVESTMENT YEAR BY YEAR: $'000

1: $206	2: 0	3: $71	4: $56	5: $28
6: $116	7:	8:	9:	10:

OPERATING COSTS YEAR BY YEAR: $'000

1: $48	2: $51	3: $64	4: $79	5: $87
6: $173	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

REVENUES YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

SHORT DESCRIPTION OF POSSIBLE ECONOMIES OF SCALE CONCERNING INVESTMENT AND OPERATION COSTS

UNIT (OR ITEM) COSTS AND UNIT (OR ITEM) REVENUES:

	$		$
Power tiller	3 780	Class B quarters	27 000
Power thresher	900	Class C quarters	13 500
Power knapsack	450	Class D quarters	8 000
Manual knapsack	120		
Small tools	200		
Lorry	25 000		
Tractor and rotavator	25 000		

DERIVED EFFECTS OF IMPLEMENTING THE PROJECT

MAIN EFFECTS ON THE ENVIRONMENT: RBD farmers in Bukit Peninjau area will be benefited

EMPLOYMENT:

YEAR	CONSTRUCTION				OPERATION			
	PROFESSIO-NALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL	PROFESSIO-NALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL
1975								
1976					9			9
1977					9			9
1978					11			11
1979					15			15
1980					17			17
					23			23

INPUT OTHER THAN LABOUR: CONSTRUCTION (C), OPERATION (O)

YEARLY PRODUCTION:

NET REQUIREMENTS OF FOREIGN EXCHANGE YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

LINKS

LINKS TO OTHER PROJECTS AND DEVELOPMENT PACKAGES

NO: 18	NAME: Bukit Peninjau RBD Rural Development
NO:	NAME:
NO:	NAME:
NO:	NAME:
NO:	NAME:
NO:	NAME:
NO:	NAME:

FINANCING

POSSIBILITIES OF FINANCING:

1: FEDERAL GOVERNMENT		2: STATE GOVERNMENT	
3: LOCAL GOVERNMENT		4: STATUTORY BODIES	
5: PUBLIC FUNDS	✓	6: PRIVATE DOMESTIC SAVINGS	
7: PRIVATE FOREIGN LOANS		8: PUBLIC FOREIGN LOANS	

REFERENCES

REFERENCES:

1: Supporting Report 2, Part III
2:
3:
4:
5:

IDENTIFICATION

PROJECT NUMBER: 15 SECTOR: AGRICULTURE

DEPARTMENT: PLANNING: / IMPLEMENTATION: / BUGET: — AGRICULTURE

NAME OF PROJECT: Cattle scheme – Karabungan

CONTENTS

DESCRIPTION: Cattle scheme for livestock production and animal husbandry training centre

2 500 acres of land
6 000 heads of cattle

COSTS AND REVENUES (1973 PRICES)

TOTAL INVESTMENT COSTS: $3 834 000 INVESTMENT PERIOD: 1975 to 1978

INVESTMENT YEAR BY YEAR:

1: $812	2: $546	3: $1 836	4: $640	5:
6:	7:	8:	9:	10:

OPERATING COSTS YEAR BY YEAR:

1: $203	2: $301	3: $449	4: $543	5: $533
6: $583	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

REVENUES YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

SHORT DESCRIPTION OF POSSIBLE ECONOMIES OF SCALE CONCERNING INVESTMENT AND OPERATION COSTS

UNIT (OR ITEM) COSTS AND UNIT (OR ITEM) REVENUES:

DERIVED EFFECTS OF IMPLEMENTING THE PROJECT

MAIN EFFECTS ON THE ENVIRONMENT:

EMPLOYMENT:

YEAR	CONSTRUCTION				OPERATION			
	PROFESSIONALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL	PROFESSIONALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL
1975					6		40	46
1976					10		76	86
1977					14		102	116
1978					17		75	92
1979					17		75	92
1980					17		75	92

INPUT OTHER THAN LABOUR: CONSTRUCTION (C), OPERATION (O)

YEARLY PRODUCTION:

NET REQUIREMENTS OF FOREIGN EXCHANGE YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

LINKS

LINKS TO OTHER PROJECTS AND DEVELOPMENT PACKAGES

NO: 25 NAME: Karabungan Rural Development
NO: NAME:
NO: NAME:
NO: NAME:
NO: NAME:
NO: NAME:
NO: NAME:

FINANCING

POSSIBILITIES OF FINANCING:

1: FEDERAL GOVERNMENT		2: STATE GOVERNMENT	
3: LOCAL GOVERNMENT		4: STATUTORY BODIES	
5: PUBLIC FUNDS	✓	6: PRIVATE DOMESTIC SAVINGS	
7: PRIVATE FOREIGN LOANS		8: PUBLIC FOREIGN LOANS	

REFERENCES

REFERENCES:

1: Supporting Report 2, Part V
2:
3:
4:
5:

IDENTIFICATION

PROJECT NUMBER: 16 SECTOR: AGRICULTURE

DEPARTMENT — PLANNING: AGRICULTURE; IMPLEMENTATION: PWD; BUGET: AGRICULTURE

NAME OF PROJECT: Agricultural School – Kabuloh

CONTENTS

DESCRIPTION: Agricultural school or training centre for staff for a period of 12 months or 6 months.

COSTS AND REVENUES (1973 PRICES)

TOTAL INVESTMENT COSTS: $80 000 INVESTMENT PERIOD: 1975

INVESTMENT YEAR BY YEAR: $'000

1: $80	2:	3:	4:	5:
6:	7:	8:	9:	10:

OPERATING COSTS YEAR BY YEAR: $'000

1: $150	2: $150	3: $150	4: $150	5: $150
6: $150	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

REVENUES YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

SHORT DESCRIPTION OF POSSIBLE ECONOMIES OF SCALE CONCERNING INVESTMENT AND OPERATION COSTS

UNIT (OR ITEM) COSTS AND UNIT (OR ITEM) REVENUES:

DERIVED EFFECTS OF IMPLEMENTING THE PROJECT

MAIN EFFECTS ON THE ENVIRONMENT: Training personnel for ADU staff

EMPLOYMENT:

YEAR	CONSTRUCTION				OPERATION			
	PROFESSIONALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL	PROFESSIONALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL
1975					13			13
1976					13			13
1977					13			13
1978					13			13
1979					13			13
1980					13			13

INPUT OTHER THAN LABOUR: CONSTRUCTION (C), OPERATION (O)

YEARLY PRODUCTION: Trained staff: for 1975 = 73, 1976 = 58, 1977 = 51, 1978 = 54, 1979 = 23, 1980 = 43

NET REQUIREMENTS OF FOREIGN EXCHANGE YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

LINKS

LINKS TO OTHER PROJECTS AND DEVELOPMENT PACKAGES

NO: NAME:
NO: NAME:
NO: NAME:
NO: NAME:
NO: NAME:
NO: NAME:
NO: NAME:

FINANCING

POSSIBILITIES OF FINANCING:

1: FEDERAL GOVERNMENT		2: STATE GOVERNMENT	
3: LOCAL GOVERNMENT		4: STATUTORY BODIES	
5: PUBLIC FUNDS	✓	6: PRIVATE DOMESTIC SAVINGS	
7: PRIVATE FOREIGN LOANS		8: PUBLIC FOREIGN LOANS	

REFERENCES

REFERENCES:

1: Supporting Report 3, Part III
2:
3:
4:
5:

IDENTIFICATION

PROJECT NUMBER: 17 SECTOR: AGRICULTURE

DEPARTMENT
PLANNING: AGRICULTURE
IMPLEMENTATION: PWD
BUGET: AGRICULTURE

NAME OF PROJECT: Agricultural Training Centre - 10th mile Bintulu-Miri Road

CONTENTS

DESCRIPTION: About 40 acres of land

Farmer Training Section buildings:
- Training buildings and accommodation
- Staff quarters
- store rooms
- workshops
- electrical fittings

Agricultural Station buildings:
- Staff quarters
- Farmers hostel
- Plant house
- Piggery

Farm development:
- Land development, Machinery and equipment, Transport, Water supply, Power generator, Land acquisition

COSTS AND REVENUES (1973 PRICES)

TOTAL INVESTMENT COSTS: $110 000 INVESTMENT PERIOD: 1975

INVESTMENT YEAR BY YEAR: $'000

1974 ($687 000)

1: $110	2:	3:	4:	5:
6:	7:	8:	9:	10:

OPERATING COSTS YEAR BY YEAR: $'000

1974 ($57 000)

1: $112	2: $114	3: $114	4: $114	5: $114
6: $114	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

REVENUES YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

SHORT DESCRIPTION OF POSSIBLE ECONOMIES OF SCALE CONCERNING INVESTMENT AND OPERATION COSTS

UNIT (OR ITEM) COSTS AND UNIT (OR ITEM) REVENUES:

Farmers Training Centre:	$	Farm Development:	$
Class III quarters	35 000	Farm machinery	25 000
Class IV quarters	20 000	Transport	15 000
Class V quarters	16 000	Land acquisition	5 000
Classroom/office	50 000	Water supply	60 000
Dining/kitchen	50 000	Electricity, generator and fittings	35 000
Dormitory	50 000		
Stores/workshops	30 000	Agricultural Station:	
Electrical fitting	40 000	Piggery)	
Furniture	18 000	Farmers hostel)	85 000
		Plant house	5 000

DERIVED EFFECTS OF IMPLEMENTING THE PROJECT

MAIN EFFECTS ON THE ENVIRONMENT: Training farmers

EMPLOYMENT:

YEAR	CONSTRUCTION				OPERATION			
	PROFESSIONALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL	PROFESSIONALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL
1975					16			16
1976					16			16
1977					16			16
1978					16			16
1979					16			16
1980					16			16

INPUT OTHER THAN LABOUR: CONSTRUCTION (C), OPERATION (O)

YEARLY PRODUCTION: 30 students - 3 courses per annum

NET REQUIREMENTS OF FOREIGN EXCHANGE YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

LINKS

LINKS TO OTHER PROJECTS AND DEVELOPMENT PACKAGES

NO: NAME:
NO: NAME:
NO: NAME:
NO: NAME:
NO: NAME:
NO: NAME:
NO: NAME:

FINANCING

POSSIBILITIES OF FINANCING:

1: FEDERAL GOVERNMENT		2: STATE GOVERNMENT	
3: LOCAL GOVERNMENT		4: STATUTORY BODIES	
5: PUBLIC FUNDS	✓	6: PRIVATE DOMESTIC SAVINGS	
7: PRIVATE FOREIGN LOANS		8: PUBLIC FOREIGN LOANS	

REFERENCES

REFERENCES:

1: Supporting Report 2, Part II
2:
3:
4:
5:

IDENTIFICATION

PROJECT NUMBER: 18 SECTOR: AGRICULTURE

DEPARTMENT — PLANNING: AGRICULTURE; IMPLEMENTATION: PWD; BUGET: AGRICULTURE

NAME OF PROJECT: ADC Divisional Office - Bukit Pondinjau

CONTENTS

DESCRIPTION: Refer Supporting Report 2, Part III

COSTS AND REVENUES (1973 PRICES)

TOTAL INVESTMENT COSTS: $419 000 INVESTMENT PERIOD: 1975

INVESTMENT YEAR BY YEAR: $'000

1: $419	2:	3:	4:	5:
6:	7:	8:	9:	10:

OPERATING COSTS YEAR BY YEAR: $'000

1: $130	2: $130	3: $130	4: $130	5: $130
6: $130	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

REVENUES YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

SHORT DESCRIPTION OF POSSIBLE ECONOMIES OF SCALE CONCERNING INVESTMENT AND OPERATION COSTS

UNIT (OR ITEM) COSTS AND UNIT (OR ITEM) REVENUES:

Refer Supporting Report 2, Part III

DERIVED EFFECTS OF IMPLEMENTING THE PROJECT

MAIN EFFECTS ON THE ENVIRONMENT:

EMPLOYMENT:

YEAR	CONSTRUCTION				OPERATION			
	PROFESSIO-NALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL	PROFESSIO-NALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL
1975					9			9
1976					9			9
1977					9			9
1978					9			9
1979					9			9
1980					9			9

INPUT OTHER THAN LABOUR: CONSTRUCTION (C), OPERATION (O)

YEARLY PRODUCTION:

NET REQUIREMENTS OF FOREIGN EXCHANGE YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

LINKS

LINKS TO OTHER PROJECTS AND DEVELOPMENT PACKAGES

NO: NAME:
NO: NAME:
NO: NAME:
NO: NAME:
NO: NAME:
NO: NAME:
NO: NAME:

FINANCING

POSSIBILITIES OF FINANCING:

1: FEDERAL GOVERNMENT		2: STATE GOVERNMENT	
3: LOCAL GOVERNMENT		4: STATUTORY BODIES	
5: PUBLIC FUNDS	✓	6: PRIVATE DOMESTIC SAVINGS	
7: PRIVATE FOREIGN LOANS		8: PUBLIC FOREIGN LOANS	

REFERENCES

REFERENCES:

1: Supporting Report 2, Part III
2:
3:
4:
5:

IDENTIFICATION

PROJECT NUMBER: 19 SECTOR: AGRICULTURE

DEPARTMENT
PLANNING: ADU
IMPLEMENTATION: PRIVATE
BUGET: PRIVATE

NAME OF PROJECT: Clearing, planting and operating – Bukit Peninjau RBD

CONTENTS

DESCRIPTION: Road Based Development
Clearing, planting and operating of 5 805 acres of crops
(Planting commences in 1976 and finishes in 1982)

Oil palm	2 025 acres
Rubber	2 355 acres
Cocoa	475 acres
Rice	375 acres
Other crops	575 acres

355 farmers

COSTS AND REVENUES (1973 PRICES)

TOTAL INVESTMENT COSTS: $4 789 000 (1975 to 1980 – $2 370 000)

INVESTMENT PERIOD: 1975 to 1986 inclusive

INVESTMENT YEAR BY YEAR: $'000

1: $90	2: $448	3: $408	4: $462	5: $490
6: $472	7: $1 294	8: $529	9: $249	10: $143
11: $95	12: $69	13: $34	14: $6	

OPERATING COSTS YEAR BY YEAR: $'000

1:	2:	3: $28	4: $105	5: $218
6: $311	7: $414	8: $613	9: $814	10: $1 010
11: $1 130	12: $1 190	13: $1 326	14: $1 409	15: $1 423
16: $1 423	17: $1 423	18: $1 423	19: $1 423	20: $1 423

REVENUES YEAR BY YEAR: $'000

1:	2:	3: $39	4: $72	5: $225
6: $398	7: $607	8: $938	9: $1 229	10: $1 575
11: $1 879	12: $2 097	13: $2 298	14: $2 437	15: $2 465
16: $2 465	17: $2 465	18: $2 465	19: $2 465	20: $2 465

SHORT DESCRIPTION OF POSSIBLE ECONOMIES OF SCALE CONCERNING INVESTMENT AND OPERATION COSTS

UNIT (OR ITEM) COSTS AND UNIT (OR ITEM) REVENUES:

	$		$
Oil palm establishment/acre	1 040	Management/acre	180
Rubber establishment/acre	1 150	Management/acre	485
Cocoa establishment/acre	700	Management/acre	240
Rice establishment/acre	1 470	Management/acre	74

DERIVED EFFECTS OF IMPLEMENTING THE PROJECT

MAIN EFFECTS ON THE ENVIRONMENT: 355 farmers will be benefited by 1982

EMPLOYMENT:

YEAR	CONSTRUCTION				OPERATION			
	PROFESSIONALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL	PROFESSIONALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL
			Field workers					
1975			150					
1976			210					
1977			300					
1978			400					
1979						440		
1980						650		
1981						710		

INPUT OTHER THAN LABOUR: CONSTRUCTION (C), OPERATION (O)

Land clearing, roads, drainage, seed, planting materials, simple farm equipment, fertilisers, chemicals (Pesticides, weedicides, etc.), transport and processing

YEARLY PRODUCTION:

Oil palm	peak production in year 1989	(15 300 tons of ffb)
Rubber	peak production in year 1995	(1 600 tons of drc)
Cocoa	peak production in year 1987	(270 tons of dbe)
Rice	peak production in year 1986	(460 tons of padi)

NET REQUIREMENTS OF FOREIGN EXCHANGE YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

LINKS

LINKS TO OTHER PROJECTS AND DEVELOPMENT PACKAGES

NO: 18	NAME: Bukit Peninjau RBD Rural Development
NO:	NAME:
NO:	NAME:
NO:	NAME:
NO:	NAME:
NO:	NAME:
NO:	NAME:

FINANCING

POSSIBILITIES OF FINANCING:

1: FEDERAL GOVERNMENT	☐	2: STATE GOVERNMENT	☐
3: LOCAL GOVERNMENT	☐	4: STATUTORY BODIES	☐
5: PUBLIC FUNDS	☐	6: PRIVATE DOMESTIC SAVINGS	✓
7: PRIVATE FOREIGN LOANS	☐	8: PUBLIC FOREIGN LOANS	☐

REFERENCES

REFERENCES:

1: Supporting Report 2, Part II
2:
3:
4:
5:

IDENTIFICATION

PROJECT NUMBER: 20 SECTOR: AGRICULTURE

DEPARTMENT — PLANNING: / IMPLEMENTATION: / BUGET: — NLC

NAME OF PROJECT: Cattle scheme - Karabungan NLC

CONTENTS

DESCRIPTION: Fenced paddocks, roads, shade with handling pens, machinery and vehicles, houses for ranch staff, water supply and electricity and administrative buildings.

5 000 acres of pasture - clearing starts in 1974
10 000 head starting off with a purchase of 1 750 head mostly cows in calf in year 1 then 620 in year 2 and 620 in year 3

COSTS AND REVENUES (1973 PRICES)

TOTAL INVESTMENT COSTS: $6 122 000 INVESTMENT PERIOD: 1975 to 1977

INVESTMENT YEAR BY YEAR: $'000

1: $3 284	2: $2 039	3: $799	4:	5:
6:	7:	8:	9:	10:

OPERATING COSTS YEAR BY YEAR: $'000

1: $295	2: $358	3: $449	4: $466	5: $511
6: $532	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

REVENUES YEAR BY YEAR: $'000

1:	2: $22	3: $156	4: $333	5: $355
6: $1 067	7: $1 067	8: $1 461	9: $1 500	10: $1 508
11: $1 702	12:	13:	14:	15:
16:	17:	18:	19:	20:

SHORT DESCRIPTION OF POSSIBLE ECONOMIES OF SCALE CONCERNING INVESTMENT AND OPERATION COSTS

UNIT (OR ITEM) COSTS AND UNIT (OR ITEM) REVENUES:

	$		$
Land clearing 5 000 acres, per acre	605	Machinery and transport per 5 000 acres (repair and maintenance 5 - 20%)	220 000
Pasture establishment, maintenance and re-establishment per acre	880	Vet expenses per animal per annum	6
5/8 bred cows in calf per head	1 300	Water supply construction (supply at $0.20 per acre)	8
Pure bred cows per head	1 900	Management and labour per 5 000 acres -$100 000 year 0 to $190 000 year 1 and drops to $140 000 in subsequent years	
Pure bred bull per head	10 000	Houses and buildings per 5 000 acres ranch (maintenance 2%)	270 000
Fencing per acre (maintenance 7.5%)	32	General running costs -$10 290 year 0 and $17 800 year 1 and onwards	
Handling pens and shade (maintenance 5%)	27 000		
Main road construction per mile (maintenance 10%)	20 000		
Tertiary road per acre of pasture (maintenance 15%)	14		

DERIVED EFFECTS OF IMPLEMENTING THE PROJECT

MAIN EFFECTS ON THE ENVIRONMENT:

EMPLOYMENT:

YEAR	CONSTRUCTION				OPERATION			
	PROFESSIONALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL	PROFESSIONALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL
1975					21		158	179
1976					21		173	194
1977					20		66	86
1978					20		66	86
1979					20		72	92
1980					20		72	92

INPUT OTHER THAN LABOUR: CONSTRUCTION (C), OPERATION (O)

Land clearing, pasture establishment, road construction, fencing, water and electricity supply, livestock purchases, machinery and transport, veterinary expenses.

YEARLY PRODUCTION: Peak number of animals in year 1985 (10 300 head)
Peak year of sale - 1985
(1 593 steers, 642 cull cows, 22 cull bulls, and 901 heifers)

NET REQUIREMENTS OF FOREIGN EXCHANGE YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

LINKS

LINKS TO OTHER PROJECTS AND DEVELOPMENT PACKAGES

NO: 25	NAME: Karabungan Rural Development
NO:	NAME:
NO:	NAME:
NO:	NAME:
NO:	NAME:
NO:	NAME:
NO:	NAME:

FINANCING

POSSIBILITIES OF FINANCING:

1: FEDERAL GOVERNMENT		2: STATE GOVERNMENT	
3: LOCAL GOVERNMENT		4: STATUTORY BODIES	✓
5: PUBLIC FUNDS		6: PRIVATE DOMESTIC SAVINGS	
7: PRIVATE FOREIGN LOANS		8: PUBLIC FOREIGN LOANS	

REFERENCES

REFERENCES:

1: Supporting Report 2, Part V
2:
3:
4:
5:

IDENTIFICATION

PROJECT NUMBER: 21 SECTOR: FORESTRY

DEPARTMENT
PLANNING: FORESTRY/PRIVATE
IMPLEMENTATION: PRIVATE
BUGET: PRIVATE

NAME OF PROJECT: Salvage logging - Igang, Sawai and Jatan areas

CONTENTS

DESCRIPTION: Salvage felling of forest land for agricultural use - felling, skidding and loading (1975)

COSTS AND REVENUES (1973 PRICES)

TOTAL INVESTMENT COSTS: INVESTMENT PERIOD:

INVESTMENT YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:

OPERATING COSTS YEAR BY YEAR: (1975) $'000

1: $1 350	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

REVENUES YEAR BY YEAR: $'000

1: $2 050	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

SHORT DESCRIPTION OF POSSIBLE ECONOMIES OF SCALE CONCERNING INVESTMENT AND OPERATION COSTS

UNIT (OR ITEM) COSTS AND UNIT (OR ITEM) REVENUES:

DERIVED EFFECTS OF IMPLEMENTING THE PROJECT

MAIN EFFECTS ON THE ENVIRONMENT:

EMPLOYMENT:

YEAR	CONSTRUCTION				OPERATION			
	PROFESSIO-NALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL	PROFESSIO-NALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL
1								26
2								
3								
4								
5								
6								
7								
8								
9								
10								

INPUT OTHER THAN LABOUR: CONSTRUCTION (C), OPERATION (O)
5 tractors, saws, 1 wheel loader

YEARLY PRODUCTION: 26 000 tons

NET REQUIREMENTS OF FOREIGN EXCHANGE YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

LINKS

LINKS TO OTHER PROJECTS AND DEVELOPMENT PACKAGES

NO: 5 NAME: Igang Estate Rural Development
NO: NAME:
NO: NAME:
NO: NAME:
NO: NAME:
NO: NAME:
NO: NAME:

FINANCING

POSSIBILITIES OF FINANCING:

1: FEDERAL GOVERNMENT		2: STATE GOVERNMENT	
3: LOCAL GOVERNMENT		4: STATUTORY BODIES	
5: PUBLIC FUNDS		6: PRIVATE DOMESTIC SAVINGS	✓
7: PRIVATE FOREIGN LOANS		8: PUBLIC FOREIGN LOANS	

REFERENCES

REFERENCES:

1: Supporting Report 3, Part I
2:
3:
4:
5:

IDENTIFICATION

PROJECT NUMBER: 22 SECTOR: FORESTRY

DEPARTMENT

PLANNING: FORESTRY/PRIVATE
IMPLEMENTATION: PRIVATE
BUGET: PRIVATE

NAME OF PROJECT: Salvage logging - Ulu Mamat

CONTENTS

DESCRIPTION: Salvage felling of forest land for agricultural cultivation - 2 200 acres (felling, skidding, loading and hauling)

COSTS AND REVENUES (1973 PRICES)

TOTAL INVESTMENT COSTS: INVESTMENT PERIOD:

INVESTMENT YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:

OPERATING COSTS YEAR BY YEAR: $'000

1: $460	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

REVENUES YEAR BY YEAR: $'000

1: $695	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

SHORT DESCRIPTION OF POSSIBLE ECONOMIES OF SCALE CONCERNING INVESTMENT AND OPERATION COSTS

UNIT (OR ITEM) COSTS AND UNIT (OR ITEM) REVENUES

DERIVED EFFECTS OF IMPLEMENTING THE PROJECT

MAIN EFFECTS ON THE ENVIRONMENT:

EMPLOYMENT:

YEAR	CONSTRUCTION				OPERATION			
	PROFESSIO-NALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL	PROFESSIO-NALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL
1								9
2								
3								
4								
5								
6								
7								
8								
9								
10								

INPUT OTHER THAN LABOUR: CONSTRUCTION (C), OPERATION (O)
2 tractors, saws

YEARLY PRODUCTION: 8 800 tons

NET REQUIREMENTS OF FOREIGN EXCHANGE YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

LINKS

LINKS TO OTHER PROJECTS AND DEVELOPMENT PACKAGES

NO: NAME:
NO: NAME:
NO: NAME:
NO: NAME:
NO: NAME:
NO: NAME:
NO: NAME:

FINANCING

POSSIBILITIES OF FINANCING:

1: FEDERAL GOVERNMENT		2: STATE GOVERNMENT	
3: LOCAL GOVERNMENT		4: STATUTORY BODIES	
5: PUBLIC FUNDS		6: PRIVATE DOMESTIC SAVINGS	✓
7: PRIVATE FOREIGN LOANS		8: PUBLIC FOREIGN LOANS	

REFERENCES

REFERENCES:

1: Supporting Report 3, Part I
2:
3:
4:
5:

IDENTIFICATION

PROJECT NUMBER: 23 SECTOR: FORESTRY

DEPARTMENT

PLANNING: FORESTRY/PRIVATE
IMPLEMENTATION: PRIVATE
BUGET: PRIVATE

NAME OF PROJECT: Salvage logging - Menantan

CONTENTS

DESCRIPTION: Salvage felling forest land for agricultural cultivation - 6 400 acres (felling, skidding, loading and hauling)

COSTS AND REVENUES (1973 PRICES)

TOTAL INVESTMENT COSTS: INVESTMENT PERIOD:

INVESTMENT YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:

OPERATING COSTS YEAR BY YEAR: $'000

1: $1 330	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

REVENUES YEAR BY YEAR: $'000

1: $2 020	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

SHORT DESCRIPTION OF POSSIBLE ECONOMIES OF SCALE CONCERNING INVESTMENT AND OPERATION COSTS

UNIT (OR ITEM) COSTS AND UNIT (OR ITEM) REVENUES:

DERIVED EFFECTS OF IMPLEMENTING THE PROJECT

MAIN EFFECTS ON THE ENVIRONMENT:

EMPLOYMENT:

YEAR	CONSTRUCTION				OPERATION			
	PROFESSIO-NALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL	PROFESSIO-NALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL
1								26
2								
3								
4								
5								
6								
7								
8								
9								
10								

INPUT OTHER THAN LABOUR: CONSTRUCTION (C), OPERATION (O)
5 tractors, saws, 1 loader

YEARLY PRODUCTION: 25 600 tons

NET REQUIREMENTS OF FOREIGN EXCHANGE YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

LINKS

LINKS TO OTHER PROJECTS AND DEVELOPMENT PACKAGES

NO: 12 NAME: Menantan Rural Development
NO: NAME:
NO: NAME:
NO: NAME:
NO: NAME:
NO: NAME:
NO: NAME:

FINANCING

POSSIBILITIES OF FINANCING:

1: FEDERAL GOVERNMENT	☐	2: STATE GOVERNMENT	☐
3: LOCAL GOVERNMENT	☐	4: STATUTORY BODIES	☐
5: PUBLIC FUNDS	☐	6: PRIVATE DOMESTIC SAVINGS	☐
7: PRIVATE FOREIGN LOANS	☐	8: PUBLIC FOREIGN LOANS	☐

REFERENCES

REFERENCES:

1: Supporting Report 3, Part I
2:
3:
4:
5:

IDENTIFICATION

PROJECT NUMBER: 24 SECTOR: FORESTRY

DEPARTMENT
PLANNING: FORESTRY
IMPLEMENTATION: PRIVATE
BUGET: PRIVATE

NAME OF PROJECT: Logging of forest - Sibiu area

CONTENTS

DESCRIPTION: Logging of forest under present license or FAO - Unit 1. The majority should be final logged in 1974 - only 900 acres left to be logged in FAO unit. Cost and revenues cf. FAO unit 1.

COSTS AND REVENUES (1973 PRICES)

TOTAL INVESTMENT COSTS: INVESTMENT PERIOD:

INVESTMENT YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:

OPERATING COSTS YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

REVENUES YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

SHORT DESCRIPTION OF POSSIBLE ECONOMIES OF SCALE CONCERNING INVESTMENT AND OPERATION COSTS

UNIT (OR ITEM) COSTS AND UNIT (OR ITEM) REVENUES:

DERIVED EFFECTS OF IMPLEMENTING THE PROJECT

MAIN EFFECTS ON THE ENVIRONMENT:

EMPLOYMENT:

YEAR	CONSTRUCTION				OPERATION			
	PROFESSIO-NALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL	PROFESSIO-NALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL
1								
2								
3								
4								
5								
6								
7								
8								
9								
10								

INPUT OTHER THAN LABOUR: CONSTRUCTION (C), OPERATION (O)

YEARLY PRODUCTION:

NET REQUIREMENTS OF FOREIGN EXCHANGE YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

LINKS

LINKS TO OTHER PROJECTS AND DEVELOPMENT PACKAGES

NO: NAME:
NO: NAME:
NO: NAME:
NO: NAME:
NO: NAME:
NO: NAME:
NO: NAME:

FINANCING

POSSIBILITIES OF FINANCING:

1: FEDERAL GOVERNMENT		2: STATE GOVERNMENT	
3: LOCAL GOVERNMENT		4: STATUTORY BODIES	✓
5: PUBLIC FUNDS		6: PRIVATE DOMESTIC SAVINGS	✓
7: PRIVATE FOREIGN LOANS		8: PUBLIC FOREIGN LOANS	✓

REFERENCES

REFERENCES:

1:
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IDENTIFICATION

PROJECT NUMBER: 25/26/27/143 SECTOR: FORESTRY

DEPARTMENT — PLANNING: FORESTRY/PRIVATE; IMPLEMENTATION: PRIVATE; BUGET: PRIVATE

NAME OF PROJECT: Saw-mills and logging - Basic unit

CONTENTS

DESCRIPTION: To be established in each of the FAO industrial units (Bintulu, Labang, Suai and later Long Lama)

COSTS AND REVENUES (1973 PRICES)

TOTAL INVESTMENT COSTS: $16 300 000 INVESTMENT PERIOD: 1975 to 1982

INVESTMENT YEAR BY YEAR: $'000

1: $8 600	2:	3:	4:	5:
6:	7:	8: $7 700	9:	10:

OPERATING COSTS YEAR BY YEAR: $'000

1: $100	2: $2 100	3: $2 300	4: $2 500	5: $3 000
6: $3 300	7: $4 200	8: $4 300	9: $4 400	10: $4 500
11: $4 600	12: $4 700	13: $4 700	14: $4 700	15: $4 700
16: $4 800	17: $4 400	18: $4 400	19: $4 400	20: $4 400

REVENUES YEAR BY YEAR: $'000

1: 0	2: $2 700	3: $4 700	4: $5 900	5: $8 600
6: $10 600	7: $12 100	8: $12 900	9: $13 400	10: $13 800
11: $14 000	12: $13 900	13: $14 100	14: $14 100	15: $14 000
16: $14 000	17: $14 000	18: $14 000	19: $14 000	20: $14 000

SHORT DESCRIPTION OF POSSIBLE ECONOMIES OF SCALE CONCERNING INVESTMENT AND OPERATION COSTS

As the basic unit is designed for specific areas, economies of scale are probably optimised.

UNIT (OR ITEM) COSTS AND UNIT (OR ITEM) REVENUES:

DERIVED EFFECTS OF IMPLEMENTING THE PROJECT

MAIN EFFECTS ON THE ENVIRONMENT: Logging operation covering licenced area approximately 200 000 acres; Log transport, sawn timber transport lead to rise of wood-based industries

EMPLOYMENT:

YEAR	CONSTRUCTION				OPERATION			
	PROFESSIONALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL	PROFESSIONALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL
1				50				
2								425
3								
4								
5								
6								
7								
8								
9								
10								

INPUT OTHER THAN LABOUR: CONSTRUCTION (C), OPERATION (O)

YEARLY PRODUCTION: Approximately 150 000 tons logs per annum; Out-put sawn timber - 80 000 tons

NET REQUIREMENTS OF FOREIGN EXCHANGE YEAR BY YEAR: $'000

1: $6 500	2:	3:	4:	5:
6: $3 500	7:	8:	9:	10:
11: $4 000	12:	13:	14:	15:
16: $3 000	17:	18:	19:	20:

LINKS

LINKS TO OTHER PROJECTS AND DEVELOPMENT PACKAGES

NO: 27	NAME: Bintulu Timber Complex
NO: 24	NAME: Labang Timber Complex
NO: 28	NAME: Suai Timber Complex
NO:	NAME:
NO:	NAME:
NO:	NAME:
NO:	NAME:

FINANCING

POSSIBILITIES OF FINANCING:

1: FEDERAL GOVERNMENT		2: STATE GOVERNMENT	
3: LOCAL GOVERNMENT		4: STATUTORY BODIES	✓
5: PUBLIC FUNDS		6: PRIVATE DOMESTIC SAVINGS	✓
7: PRIVATE FOREIGN LOANS		8: PUBLIC FOREIGN LOANS	✓

REFERENCES

REFERENCES:

1: Supporting Report 3, Part I
2:
3:
4:
5:

IDENTIFICATION

PROJECT NUMBER: 28 SECTOR: HOUSING

DEPARTMENT — PLANNING: SLDB; IMPLEMENTATION: HDC; BUGET: PRIVATE

NAME OF PROJECT: Housing

CONTENTS

DESCRIPTION: Wooden houses for SLDB schemes, and larger private plantations, e.g. Subis Village I and II, Ladang Empat, Mera-a, Majan, Ulu Maziat, Mera-a Private Area, Sungai Klad, Ensabang, Telabit

COSTS AND REVENUES (1973 PRICES)

TOTAL INVESTMENT COSTS: $5 000 INVESTMENT PERIOD:

INVESTMENT YEAR BY YEAR:

1: $5 000	2:	3:	4:	5:
6:	7:	8:	9:	10:

OPERATING COSTS YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

REVENUES YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

SHORT DESCRIPTION OF POSSIBLE ECONOMIES OF SCALE CONCERNING INVESTMENT AND OPERATION COSTS

UNIT (OR ITEM) COSTS AND UNIT (OR ITEM) REVENUES:

Per unit house - $5 000

DERIVED EFFECTS OF IMPLEMENTING THE PROJECT

MAIN EFFECTS ON THE ENVIRONMENT:

EMPLOYMENT:

YEAR	CONSTRUCTION				OPERATION			
	PROFESSIONALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL	PROFESSIONALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL
1								
2								
3								
4								
5								
6								
7								
8								
9								
10								

INPUT OTHER THAN LABOUR: CONSTRUCTION (C), OPERATION (O)

YEARLY PRODUCTION:

NET REQUIREMENTS OF FOREIGN EXCHANGE YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

LINKS

LINKS TO OTHER PROJECTS AND DEVELOPMENT PACKAGES

NO: NAME:
NO: NAME:
NO: NAME:
NO: NAME:
NO: NAME:
NO: NAME:
NO: NAME:

FINANCING

POSSIBILITIES OF FINANCING:

1: FEDERAL GOVERNMENT		2: STATE GOVERNMENT	
3: LOCAL GOVERNMENT		4: STATUTORY BODIES	✓
5: PUBLIC FUNDS		6: PRIVATE DOMESTIC SAVINGS	✓
7: PRIVATE FOREIGN LOANS		8: PUBLIC FOREIGN LOANS	

REFERENCES

REFERENCES:

1: Supporting Report 6, Part V
2:
3:
4:
5:

IDENTIFICATION

PROJECT NUMBER: 29 SECTOR: HOUSING

DEPARTMENT
PLANNING: HDC
IMPLEMENTATION: PWD
BUGET: PRIVATE

NAME OF PROJECT: Housing - Miri

CONTENTS

DESCRIPTION: Mixture of houses ranging from $5 000 to $35 000 per unit.
Number of houses - 1 395

COSTS AND REVENUES (1973 PRICES)

TOTAL INVESTMENT COSTS: $12 378 000 INVESTMENT PERIOD:

INVESTMENT YEAR BY YEAR: $'000

1: $2 063	2: $2 063	3: $2 063	4: $2 063	5: $2 063
6:	7:	8:	9:	10:

OPERATING COSTS YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

REVENUES YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

SHORT DESCRIPTION OF POSSIBLE ECONOMIES OF SCALE CONCERNING INVESTMENT AND OPERATION COSTS

UNIT (OR ITEM) COSTS AND UNIT (OR ITEM) REVENUES:

	$
Per unit house	5 000
Per unit house	13 000
Per unit house	19 000
Per unit house	35 000

DERIVED EFFECTS OF IMPLEMENTING THE PROJECT

MAIN EFFECTS ON THE ENVIRONMENT:

EMPLOYMENT:

YEAR	CONSTRUCTION				OPERATION			
	PROFESSIO-NALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL	PROFESSIO-NALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL
1								
2								
3								
4								
5								
6								
7								
8								
9								
10								

INPUT OTHER THAN LABOUR: CONSTRUCTION (C), OPERATION (O)

YEARLY PRODUCTION:

NET REQUIREMENTS OF FOREIGN EXCHANGE YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

LINKS

LINKS TO OTHER PROJECTS AND DEVELOPMENT PACKAGES

NO: 1 NAME: Miri Town Development
NO: NAME:
NO: NAME:
NO: NAME:
NO: NAME:
NO: NAME:
NO: NAME:

FINANCING

POSSIBILITIES OF FINANCING:

1: FEDERAL GOVERNMENT		2: STATE GOVERNMENT	✓
3: LOCAL GOVERNMENT		4: STATUTORY BODIES	✓
5: PUBLIC FUNDS		6: PRIVATE DOMESTIC SAVINGS	✓
7: PRIVATE FOREIGN LOANS		8: PUBLIC FOREIGN LOANS	

REFERENCES

REFERENCES:

1: Supporting Report 6, Part V
2:
3:
4:
5:

IDENTIFICATION

PROJECT NUMBER: 30 SECTOR: HOUSING

DEPARTMENT — PLANNING: HDC/PRIVATE; IMPLEMENTATION: HDC/PRIVATE; BUGET: HDC/PRIVATE

NAME OF PROJECT: Housing - Bintulu

CONTENTS

DESCRIPTION: Mixture of houses ranging from $5 000 to $35 000 per unit.
Number of units - 1 314

COSTS AND REVENUES (1973 PRICES)

TOTAL INVESTMENT COSTS: $11 640 000 INVESTMENT PERIOD: 1975 to 1980

INVESTMENT YEAR BY YEAR: $'000

1: $1 940	2: $1 940	3: $1 940	4: $1 940	5: $1 940
6: $1 940	7:	8:	9:	10:

OPERATING COSTS YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

REVENUES YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

SHORT DESCRIPTION OF POSSIBLE ECONOMIES OF SCALE CONCERNING INVESTMENT AND OPERATION COSTS

UNIT (OR ITEM) COSTS AND UNIT (OR ITEM) REVENUES:

	$
Per unit house	5 000
Per unit house	13 000
Per unit house	19 000
Per unit house	35 000

DERIVED EFFECTS OF IMPLEMENTING THE PROJECT

MAIN EFFECTS ON THE ENVIRONMENT:

EMPLOYMENT:

YEAR	CONSTRUCTION				OPERATION			
	PROFESSIO-NALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL	PROFESSIO-NALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL
1								
2								
3								
4								
5								
6								
7								
8								
9								
10								

INPUT OTHER THAN LABOUR: CONSTRUCTION (C), OPERATION (O)

YEARLY PRODUCTION:

NET REQUIREMENTS OF FOREIGN EXCHANGE YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

LINKS

LINKS TO OTHER PROJECTS AND DEVELOPMENT PACKAGES

NO: 2	NAME: Bintulu Town Development
NO:	NAME:
NO:	NAME:
NO:	NAME:
NO:	NAME:
NO:	NAME:
NO:	NAME:

FINANCING

POSSIBILITIES OF FINANCING:

1: FEDERAL GOVERNMENT		2: STATE GOVERNMENT	
3: LOCAL GOVERNMENT		4: STATUTORY BODIES	✓
5: PUBLIC FUNDS		6: PRIVATE DOMESTIC SAVINGS	✓
7: PRIVATE FOREIGN LOANS		8: PUBLIC FOREIGN LOANS	

REFERENCES

REFERENCES:

1: Supporting Report 6, Part V
2:
3:
4:
5:

IDENTIFICATION

PROJECT NUMBER: 31 SECTOR: HOUSING

DEPARTMENT — PLANNING: HDC · IMPLEMENTATION: PWD · BUGET: PRIVATE

NAME OF PROJECT: Housing - Marudi

CONTENTS

DESCRIPTION: Number of houses - 155

COSTS AND REVENUES (1971 PRICES)

TOTAL INVESTMENT COSTS: $1 413 000 INVESTMENT PERIOD: 1975 to 1980

INVESTMENT YEAR BY YEAR: $'000

1: $235	2: $235	3: $235	4: $235	5: $235
6: $238	7:	8:	9:	10:

OPERATING COSTS YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

REVENUES YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

SHORT DESCRIPTION OF POSSIBLE ECONOMIES OF SCALE CONCERNING INVESTMENT AND OPERATION COSTS

UNIT (OR ITEM) COSTS AND UNIT (OR ITEM) REVENUES:

	$
91 units	5 000
51 units	13 000
10 units	19 000
3 units	35 000

DERIVED EFFECTS OF IMPLEMENTING THE PROJECT

MAIN EFFECTS ON THE ENVIRONMENT:

EMPLOYMENT:

YEAR	CONSTRUCTION				OPERATION			
	PROFESSIONALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL	PROFESSIONALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL
1								
2								
3								
4								
5								
6								
7								
8								
9								
10								

INPUT OTHER THAN LABOUR: CONSTRUCTION (C), OPERATION (O)

YEARLY PRODUCTION:

NET REQUIREMENTS OF FOREIGN EXCHANGE YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

LINKS

LINKS TO OTHER PROJECTS AND DEVELOPMENT PACKAGES

NO: 3 NAME: Marudi Town Development
NO: NAME:
NO: NAME:
NO: NAME:
NO: NAME:
NO: NAME:
NO: NAME:

FINANCING

POSSIBILITIES OF FINANCING:

1: FEDERAL GOVERNMENT		2: STATE GOVERNMENT	
3: LOCAL GOVERNMENT		4: STATUTORY BODIES	✓
5: PUBLIC FUNDS		6: PRIVATE DOMESTIC SAVINGS	✓
7: PRIVATE FOREIGN LOANS		8: PUBLIC FOREIGN LOANS	

REFERENCES

REFERENCES:

1: Supporting Report 6, Part V
2:
3:
4:
5:

IDENTIFICATION

PROJECT NUMBER: 32 SECTOR: HOUSING

DEPARTMENT: PLANNING: / IMPLEMENTATION: / BUGET: } PRIVATE

NAME OF PROJECT: Housing - Long Lama

CONTENTS

DESCRIPTION: 310 units of houses

COSTS AND REVENUES (1973 PRICES)

TOTAL INVESTMENT COSTS: $2 730 000 INVESTMENT PERIOD: 1975 to 1980

INVESTMENT YEAR BY YEAR: $'000

1: $455	2: $455	3: $455	4: $455	5: $455
6: $455	7:	8:	9:	10:

OPERATING COSTS YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

REVENUES YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

SHORT DESCRIPTION OF POSSIBLE ECONOMIES OF SCALE CONCERNING INVESTMENT AND OPERATION COSTS

UNIT (OR ITEM) COSTS AND UNIT (OR ITEM) REVENUES:

	$
188 units	5 000
99 units	13 000
19 units	19 000
4 units	35 000

DERIVED EFFECTS OF IMPLEMENTING THE PROJECT

MAIN EFFECTS ON THE ENVIRONMENT:

EMPLOYMENT:

YEAR	CONSTRUCTION				OPERATION			
	PROFESSIO-NALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL	PROFESSIO-NALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL
1								
2								
3								
4								
5								
6								
7								
8								
9								
10								

INPUT OTHER THAN LABOUR: CONSTRUCTION (C), OPERATION (O)

YEARLY PRODUCTION:

NET REQUIREMENTS OF FOREIGN EXCHANGE YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

LINKS

LINKS TO OTHER PROJECTS AND DEVELOPMENT PACKAGES

NO: 4	NAME: Long Lama Town Development
NO:	NAME:
NO:	NAME:
NO:	NAME:
NO:	NAME:
NO:	NAME:
NO:	NAME:

FINANCING

POSSIBILITIES OF FINANCING:

1: FEDERAL GOVERNMENT		2: STATE GOVERNMENT	
3: LOCAL GOVERNMENT		4: STATUTORY BODIES	
5: PUBLIC FUNDS		6: PRIVATE DOMESTIC SAVINGS	✓
7: PRIVATE FOREIGN LOANS		8: PUBLIC FOREIGN LOANS	

REFERENCES

REFERENCES:

1: Supporting Report 6, Part V
2:
3:
4:
5:

IDENTIFICATION

PROJECT NUMBER: 33 SECTOR: HOUSING

DEPARTMENT — PLANNING: / IMPLEMENTATION: / BUGET: — PRIVATE

NAME OF PROJECT: Housing - Batu Niah

CONTENTS

DESCRIPTION: Number of houses - 155

COSTS AND REVENUES (1973 PRICES)

TOTAL INVESTMENT COSTS: $1 413 000 INVESTMENT PERIOD: 1975 to 1980

INVESTMENT YEAR BY YEAR: $'000

1: $235	2: $235	3: $235	4: $235	5: $235
6: $238	7:	8:	9:	10:

OPERATING COSTS YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

REVENUES YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

SHORT DESCRIPTION OF POSSIBLE ECONOMIES OF SCALE CONCERNING INVESTMENT AND OPERATION COSTS

UNIT (OR ITEM) COSTS AND UNIT (OR ITEM) REVENUES:

	$
91 units	5 000
51 units	13 000
10 units	19 000
3 units	35 000

DERIVED EFFECTS OF IMPLEMENTING THE PROJECT

MAIN EFFECTS ON THE ENVIRONMENT:

EMPLOYMENT:

YEAR	CONSTRUCTION				OPERATION			
	PROFESSIO-NALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL	PROFESSIO-NALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL
1								
2								
3								
4								
5								
6								
7								
8								
9								
10								

INPUT OTHER THAN LABOUR: CONSTRUCTION (C), OPERATION (O)

YEARLY PRODUCTION:

NET REQUIREMENTS OF FOREIGN EXCHANGE YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

LINKS

LINKS TO OTHER PROJECTS AND DEVELOPMENT PACKAGES

NO: 5	NAME: Batu Niah Town Development
NO:	NAME:
NO:	NAME:
NO:	NAME:
NO:	NAME:
NO:	NAME:
NO:	NAME:

FINANCING

POSSIBILITIES OF FINANCING:

1: FEDERAL GOVERNMENT		2: STATE GOVERNMENT	
3: LOCAL GOVERNMENT		4: STATUTORY BODIES	
5: PUBLIC FUNDS		6: PRIVATE DOMESTIC SAVINGS	✓
7: PRIVATE FOREIGN LOANS		8: PUBLIC FOREIGN LOANS	

REFERENCES

REFERENCES:

1: Supporting Report 6, Part V
2:
3:
4:
5:

IDENTIFICATION

PROJECT NUMBER: 34 SECTOR: HOUSING

DEPARTMENT: PLANNING: / IMPLEMENTATION: / BUGET: } PRIVATE

NAME OF PROJECT: Housing - Beluru

CONTENTS

DESCRIPTION: Number of houses - 77

COSTS AND REVENUES (1973 PRICES)

TOTAL INVESTMENT COSTS: $715 000 INVESTMENT PERIOD:

INVESTMENT YEAR BY YEAR: $'000

1: $119	2: $119	3: $119	4: $119	5: $119
6: $119	7:	8:	9:	10:

OPERATING COSTS YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

REVENUES YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

SHORT DESCRIPTION OF POSSIBLE ECONOMIES OF SCALE CONCERNING INVESTMENT AND OPERATION COSTS

UNIT (OR ITEM) COSTS AND UNIT (OR ITEM) REVENUES:

	$
45 units at	5 000
25 units at	13 000
5 units at	19 000
2 units at	35 000

DERIVED EFFECTS OF IMPLEMENTING THE PROJECT

MAIN EFFECTS ON THE ENVIRONMENT:

EMPLOYMENT:

YEAR	CONSTRUCTION				OPERATION			
	PROFESSIO-NALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL	PROFESSIO-NALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL
1								
2								
3								
4								
5								
6								
7								
8								
9								
10								

INPUT OTHER THAN LABOUR: CONSTRUCTION (C), OPERATION (O)

YEARLY PRODUCTION:

NET REQUIREMENTS OF FOREIGN EXCHANGE YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

LINKS

LINKS TO OTHER PROJECTS AND DEVELOPMENT PACKAGES

NO: 6	NAME: Beluru Town Development
NO:	NAME:
NO:	NAME:
NO:	NAME:
NO:	NAME:
NO:	NAME:
NO:	NAME:

FINANCING

POSSIBILITIES OF FINANCING:

1: FEDERAL GOVERNMENT		2: STATE GOVERNMENT	
3: LOCAL GOVERNMENT		4: STATUTORY BODIES	✓
5: PUBLIC FUNDS		6: PRIVATE DOMESTIC SAVINGS	✓
7: PRIVATE FOREIGN LOANS		8: PUBLIC FOREIGN LOANS	

REFERENCES

REFERENCES:

1: Supporting Report 6, Part V
2:
3:
4:
5:

IDENTIFICATION

PROJECT NUMBER: 35 SECTOR: HOUSING

DEPARTMENT: PLANNING: / IMPLEMENTATION: / BUGET: } PRIVATE

NAME OF PROJECT: Housing in Bekenu

CONTENTS

DESCRIPTION: Number of houses - 48

COSTS AND REVENUES (1973 PRICES)

TOTAL INVESTMENT COSTS: $416 000 INVESTMENT PERIOD:

INVESTMENT YEAR BY YEAR: $'000

1: $69	2: $69	3: $69	4: $69	5: $69
6: $71	7:	8:	9:	10:

OPERATING COSTS YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

REVENUES YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

SHORT DESCRIPTION OF POSSIBLE ECONOMIES OF SCALE CONCERNING INVESTMENT AND OPERATION COSTS

UNIT (OR ITEM) COSTS AND UNIT (OR ITEM) REVENUES:

	$
29 units at	5 000
15 units at	13 000
4 units at	19 000

DERIVED EFFECTS OF IMPLEMENTING THE PROJECT

MAIN EFFECTS ON THE ENVIRONMENT:

EMPLOYMENT:

YEAR	CONSTRUCTION				OPERATION			
	PROFESSIO-NALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL	PROFESSIO-NALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL
1								
2								
3								
4								
5								
6								
7								
8								
9								
10								

INPUT OTHER THAN LABOUR: CONSTRUCTION (C), OPERATION (O)

YEARLY PRODUCTION:

NET REQUIREMENTS OF FOREIGN EXCHANGE YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

LINKS

LINKS TO OTHER PROJECTS AND DEVELOPMENT PACKAGES

NO: 7 NAME: Bekenu Town Development
NO: NAME:
NO: NAME:
NO: NAME:
NO: NAME:
NO: NAME:
NO: NAME:

FINANCING

POSSIBILITIES OF FINANCING:

1: FEDERAL GOVERNMENT		2: STATE GOVERNMENT	
3: LOCAL GOVERNMENT		4: STATUTORY BODIES	✓
5: PUBLIC FUNDS		6: PRIVATE DOMESTIC SAVINGS	✓
7: PRIVATE FOREIGN LOANS		8: PUBLIC FOREIGN LOANS	

REFERENCES

REFERENCES:

1: Supporting Report 6, Part V
2:
3:
4:
5:

IDENTIFICATION

PROJECT NUMBER: 36 SECTOR: HOUSING

DEPARTMENT: PLANNING: / IMPLEMENTATION: / BUGET: } PRIVATE

NAME OF PROJECT: Housing in Sebauh

CONTENTS

DESCRIPTION: Number of houses - 30

COSTS AND REVENUES (1973 PRICES)

TOTAL INVESTMENT COSTS: $196 000 INVESTMENT PERIOD:

INVESTMENT YEAR BY YEAR: $'000

1: $33	2: $33	3: $33	4: $33	5: $33
6: $33	7:	8:	9:	10:

OPERATING COSTS YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

REVENUES YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

SHORT DESCRIPTION OF POSSIBLE ECONOMIES OF SCALE CONCERNING INVESTMENT AND OPERATION COSTS

UNIT (OR ITEM) COSTS AND UNIT (OR ITEM) REVENUES:

	$
24 units at	5 000
6 units at	13 000

DERIVED EFFECTS OF IMPLEMENTING THE PROJECT

MAIN EFFECTS ON THE ENVIRONMENT:

EMPLOYMENT:

YEAR	CONSTRUCTION				OPERATION			
	PROFESSIO-NALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL	PROFESSIO-NALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL
1								
2								
3								
4								
5								
6								
7								
8								
9								
10								

INPUT OTHER THAN LABOUR: CONSTRUCTION (C), OPERATION (O)

YEARLY PRODUCTION:

NET REQUIREMENTS OF FOREIGN EXCHANGE YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

LINKS

LINKS TO OTHER PROJECTS AND DEVELOPMENT PACKAGES

NO: 9	NAME: Sebauh Town Development
NO:	NAME:
NO:	NAME:
NO:	NAME:
NO:	NAME:
NO:	NAME:
NO:	NAME:

FINANCING

POSSIBILITIES OF FINANCING:

1: FEDERAL GOVERNMENT		2: STATE GOVERNMENT	
3: LOCAL GOVERNMENT		4: STATUTORY BODIES	
5: PUBLIC FUNDS		6: PRIVATE DOMESTIC SAVINGS	✓
7: PRIVATE FOREIGN LOANS		8: PUBLIC FOREIGN LOANS	

REFERENCES

REFERENCES:

1: Supporting Report 6, Part V
2:
3:
4:
5:

IDENTIFICATION

PROJECT NUMBER: 37 SECTOR: TRANSPORT

DEPARTMENT — PLANNING: L & SD; IMPLEMENTATION: PWD; BUGET: PWD

NAME OF PROJECT: Internal roads and drainage - Local primary and local tertiary

CONTENTS

DESCRIPTION: Local primary - Low cost access roads in smaller settlements, etc.
Pavement - 18 to 20 feet

Local tertiary - Low cost access road to individual plots and farms.
Pavement - 10 feet

COSTS AND REVENUES (1973 PRICES)

TOTAL INVESTMENT COSTS: Local primary - $75 000
Local tertiary - $20 000

INVESTMENT PERIOD:

INVESTMENT YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:

OPERATING COSTS YEAR BY YEAR:

Local primary - Maintenance cost - $3 500 per mile per year

Local tertiary - Maintenance cost - $1 500 per mile per year

REVENUES YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

SHORT DESCRIPTION OF POSSIBLE ECONOMIES OF SCALE CONCERNING INVESTMENT AND OPERATION COSTS

UNIT (OR ITEM) COSTS AND UNIT (OR ITEM) REVENUES:

		$
Local primary	Basic construction costs (earthworks, drainage, etc)	24 000
	8 inch stone pavement (2 600 cubic yard per mile)	36 000
	Labour and equipment	15 000
		75 000 per mile
Local tertiary	Basic construction costs (earthworks, drainage, etc)	7 000
	4 inch stone pavement (650 cubic yard per mile)	9 000
	Labour and equipment	4 000
		20 000 per mile

DERIVED EFFECTS OF IMPLEMENTING THE PROJECT

MAIN EFFECTS ON THE ENVIRONMENT:

EMPLOYMENT:

YEAR	CONSTRUCTION				OPERATION			
	PROFESSIO-NALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL	PROFESSIO-NALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL
1								
2								
3								
4								
5								
6								
7								
8								
9								
10								

INPUT OTHER THAN LABOUR: CONSTRUCTION (C), OPERATION (O)

YEARLY PRODUCTION:

NET REQUIREMENTS OF FOREIGN EXCHANGE YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

LINKS

LINKS TO OTHER PROJECTS AND DEVELOPMENT PACKAGES

NO: NAME:
NO: NAME:
NO: NAME:
NO: NAME:
NO: NAME:
NO: NAME:
NO: NAME:

FINANCING

POSSIBILITIES OF FINANCING:

1: FEDERAL GOVERNMENT		2: STATE GOVERNMENT	✓
3: LOCAL GOVERNMENT		4: STATUTORY BODIES	
5: PUBLIC FUNDS		6: PRIVATE DOMESTIC SAVINGS	
7: PRIVATE FOREIGN LOANS		8: PUBLIC FOREIGN LOANS	

REFERENCES

REFERENCES:

1: Supporting Report 6, Part II
2:
3:
4:
5:

IDENTIFICATION

PROJECT NUMBER: 38 SECTOR: TRANSPORT

DEPARTMENT: PLANNING: / IMPLEMENTATION: / BUGET: — PWD

NAME OF PROJECT: Access roads - Lambir-Subis South and North

CONTENTS

DESCRIPTION: Improved feeder road standard - Total length 14.2 miles
Width of formation - 30 feet
Pavement - 18 feet
Surface - gravel

COSTS AND REVENUES (1973 PRICES)

TOTAL INVESTMENT COSTS: $1 425 000 INVESTMENT PERIOD: 1974 to 1975

INVESTMENT YEAR BY YEAR:

1: $650 000	2: $775 000	3:	4:	5:
6:	7:	8:	9:	10:

OPERATING COSTS YEAR BY YEAR: 1976 +

1: $12 000	2: $12 000	3: $12 000	4: $92 000	5: $12 000
6: $12 000	7: $12 000	8: $92 000	9: etc	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

REVENUES YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

SHORT DESCRIPTION OF POSSIBLE ECONOMIES OF SCALE CONCERNING INVESTMENT AND OPERATION COSTS

UNIT (OR ITEM) COSTS AND UNIT (OR ITEM) REVENUES:

1 mile - $100 000

DERIVED EFFECTS OF IMPLEMENTING THE PROJECT

MAIN EFFECTS ON THE ENVIRONMENT: Links up the villages in the SLDB Development

EMPLOYMENT:

YEAR	CONSTRUCTION				OPERATION			
	PROFESSIO-NALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL	PROFESSIO-NALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL
1								
2								
3								1
4								1
5								1
6								1
7								1
8								
9								
10								

INPUT OTHER THAN LABOUR: CONSTRUCTION (C), OPERATION (O)

YEARLY PRODUCTION:

NET REQUIREMENTS OF FOREIGN EXCHANGE YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

LINKS

LINKS TO OTHER PROJECTS AND DEVELOPMENT PACKAGES

NO: 1	NAME: Lambir-Subis South Rural Development
NO: 2	NAME: Lambir-Subis North Rural Development
NO:	NAME:
NO:	NAME:
NO:	NAME:
NO:	NAME:
NO:	NAME:

FINANCING

POSSIBILITIES OF FINANCING:

1: FEDERAL GOVERNMENT		2: STATE GOVERNMENT	✓
3: LOCAL GOVERNMENT		4: STATUTORY BODIES	
5: PUBLIC FUNDS		6: PRIVATE DOMESTIC SAVINGS	
7: PRIVATE FOREIGN LOANS		8: PUBLIC FOREIGN LOANS	

REFERENCES

REFERENCES:

1: Supporting Report 7
2: Supporting Report 6, Part II
3: PWD preliminary estimates
4:
5:

IDENTIFICATION

PROJECT NUMBER: 39 SECTOR: TRANSPORT

DEPARTMENT — PLANNING: / IMPLEMENTATION: / BUGET: — PWD

NAME OF PROJECT: Access roads - Sebanah Public Area

CONTENTS

DESCRIPTION: Improvement feeder road standard - Total length 6.9 miles

Width of formation - 30 feet
Pavement - 18 feet
Surface - gravel

COSTS AND REVENUES (1973 PRICES)

TOTAL INVESTMENT COSTS: $1 035 000 INVESTMENT PERIOD: 1975 to 1976

INVESTMENT YEAR BY YEAR: 1976 +

1: $585 000	2: $450 000	3:	4:	5:
6:	7:	8:	9:	10:

OPERATING COSTS YEAR BY YEAR: 1977 +

1: $34 000	2: $34 000	3: $34 000	4: $83 000	5: $34 000
6: $34 000	7: $34 000	8: $83 000	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

REVENUES YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

SHORT DESCRIPTION OF POSSIBLE ECONOMIES OF SCALE CONCERNING INVESTMENT AND OPERATION COSTS

UNIT (OR ITEM) COSTS AND UNIT (OR ITEM) REVENUES:

1 mile - $150 000

DERIVED EFFECTS OF IMPLEMENTING THE PROJECT

MAIN EFFECTS ON THE ENVIRONMENT: Links Igang with Sebanah and also to the road network system

EMPLOYMENT:

YEAR	CONSTRUCTION				OPERATION			
	PROFESSIO-NALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL	PROFESSIO-NALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL
1								
2								
3								
4								5
5								5
6								5
7								5
8								
9								
10								

INPUT OTHER THAN LABOUR: CONSTRUCTION (C), OPERATION (O)

YEARLY PRODUCTION:

NET REQUIREMENTS OF FOREIGN EXCHANGE YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

LINKS

LINKS TO OTHER PROJECTS AND DEVELOPMENT PACKAGES

NO: 7	NAME: Sebanah Rural Development
NO:	NAME:
NO:	NAME:
NO:	NAME:
NO:	NAME:
NO:	NAME:
NO:	NAME:

FINANCING

POSSIBILITIES OF FINANCING:

1: FEDERAL GOVERNMENT		2: STATE GOVERNMENT	✓
3: LOCAL GOVERNMENT		4: STATUTORY BODIES	
5: PUBLIC FUNDS		6: PRIVATE DOMESTIC SAVINGS	
7: PRIVATE FOREIGN LOANS		8: PUBLIC FOREIGN LOANS	

REFERENCES

REFERENCES:

1: Supporting Report 7
2: Supporting Report 6, Part II
3:
4:
5:

IDENTIFICATION

PROJECT NUMBER: 40 SECTOR: TRANSPORT

DEPARTMENT: PLANNING: / IMPLEMENTATION: / BUGET: } PWD

NAME OF PROJECT: Access road - Labang timber complex and Timong village

CONTENTS

DESCRIPTION: Trunk road standard - Total length 4 miles

Width of formation - 44 feet
Pavement - 24 feet
Surface - gravel

COSTS AND REVENUES (1973 PRICES)

TOTAL INVESTMENT COSTS: $1 040 000 INVESTMENT PERIOD: 1975

INVESTMENT YEAR BY YEAR: 1975 +

1: $1 040 000	2:	3:	4:	5:
6:	7:	8:	9:	10:

OPERATING COSTS YEAR BY YEAR: 1976 +

1: $20 000	2: $20 000	3: $20 000	4: $48 000	5: $20 000
6: $20 000	7: $20 000	8: $48 000	9: etc	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

REVENUES YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

SHORT DESCRIPTION OF POSSIBLE ECONOMIES OF SCALE CONCERNING INVESTMENT AND OPERATION COSTS

UNIT (OR ITEM) COSTS AND UNIT (OR ITEM) REVENUES:

1 mile - $260 000

DERIVED EFFECTS OF IMPLEMENTING THE PROJECT

MAIN EFFECTS ON THE ENVIRONMENT: Give access to the future Timong Sub-Regional Centre which will be started as a village based on the employment in the Labang Timber Complex. Opens up the area for forest and agricultural development.

EMPLOYMENT:

YEAR	CONSTRUCTION				OPERATION			
	PROFESSIO-NALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL	PROFESSIO-NALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL
1								
2								
3								3
4								3
5								3
6								3
7								3
8								
9								
10								

INPUT OTHER THAN LABOUR: CONSTRUCTION (C), OPERATION (O)

YEARLY PRODUCTION:

NET REQUIREMENTS OF FOREIGN EXCHANGE YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

LINKS

LINKS TO OTHER PROJECTS AND DEVELOPMENT PACKAGES

NO: 24	NAME: Labang Timber Complex
NO:	NAME:
NO:	NAME:
NO:	NAME:
NO:	NAME:
NO:	NAME:
NO:	NAME:

FINANCING

POSSIBILITIES OF FINANCING:

1: FEDERAL GOVERNMENT		2: STATE GOVERNMENT	✓
3: LOCAL GOVERNMENT		4: STATUTORY BODIES	
5: PUBLIC FUNDS		6: PRIVATE DOMESTIC SAVINGS	✓
7: PRIVATE FOREIGN LOANS		8: PUBLIC FOREIGN LOANS	

REFERENCES

REFERENCES:

1: Supporting Report 7
2: Supporting Report 6, Part II
3:
4:
5:

IDENTIFICATION

PROJECT NUMBER: 41 SECTOR: TRANSPORT

DEPARTMENT — PLANNING:) IMPLEMENTATION:) BUGET:) PWD

NAME OF PROJECT: Access road - Kabatu Area

CONTENTS

DESCRIPTION: Improved feeder road standard - Total length 13.3 miles

Width of formation - 30 feet
Pavement - 18 feet
Surface - gravel

COSTS AND REVENUES (1973 PRICES)

TOTAL INVESTMENT COSTS: $1 995 000 INVESTMENT PERIOD: 1975 to 1976

INVESTMENT YEAR BY YEAR: 1975

1: $1 350 000	2: $645 000	3:	4:	5:
6:	7:	8:	9:	10:

OPERATING COSTS YEAR BY YEAR:

1: $45 000	2: $67 000	3: $67 000	4: $160 000	5: $67 000
6: $67 000	7: $67 000	8: $160 000	9: etc	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

REVENUES YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

SHORT DESCRIPTION OF POSSIBLE ECONOMIES OF SCALE CONCERNING INVESTMENT AND OPERATION COSTS

UNIT (OR ITEM) COSTS AND UNIT (OR ITEM) REVENUES:

1 mile - $150 000

DERIVED EFFECTS OF IMPLEMENTING THE PROJECT

MAIN EFFECTS ON THE ENVIRONMENT: Links up Kabatu with the whole road network system in the area.

EMPLOYMENT:

YEAR	CONSTRUCTION				OPERATION			
	PROFESSIO-NALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL	PROFESSIO-NALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL
1								
2								6
3								9
4								9
5								9
6								9
7								
8								
9								
10								

INPUT OTHER THAN LABOUR: CONSTRUCTION (C), OPERATION (O)

YEARLY PRODUCTION:

NET REQUIREMENTS OF FOREIGN EXCHANGE YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

LINKS

LINKS TO OTHER PROJECTS AND DEVELOPMENT PACKAGES

NO: 28	NAME: Suai Timber Complex
NO:	NAME:
NO:	NAME:
NO:	NAME:
NO:	NAME:
NO:	NAME:
NO:	NAME:

FINANCING

POSSIBILITIES OF FINANCING:

1: FEDERAL GOVERNMENT		2: STATE GOVERNMENT	✓
3: LOCAL GOVERNMENT		4: STATUTORY BODIES	
5: PUBLIC FUNDS		6: PRIVATE DOMESTIC SAVINGS	
7: PRIVATE FOREIGN LOANS		8: PUBLIC FOREIGN LOANS	

REFERENCES

REFERENCES:

1: Supporting Report 7
2: Supporting Report 6, Part II
3:
4:
5:

IDENTIFICATION

PROJECT NUMBER: 42 SECTOR: TRANSPORT

DEPARTMENT: PLANNING: / IMPLEMENTATION: / BUGET: — PWD

NAME OF PROJECT: Beluru - Long Lama Road

CONTENTS

DESCRIPTION: Trunk road standard from mile 6 east of Beluru to Long Lama, total length - 31 miles

Width of formation - 44 feet
Pavement - 24 feet
Surface - gravel

COSTS AND REVENUES (1973 PRICES)

TOTAL INVESTMENT COSTS: $7 750 000 INVESTMENT PERIOD: 1974 to 1977

INVESTMENT YEAR BY YEAR: 1974

1: $1 750 000	2: $2 000 000	3: $2 000 000	4: $2 000 000	5:
6:	7:	8:	9:	10:

OPERATING COSTS YEAR BY YEAR: (from 1976)

1: $40 000	2: $80 000	3: $115 000	4: $115 000	5: $115 000
6: $115 000	7: $288 000	8: $115 000	9: $115 000	10: $115 000
11: $288 000	12: etc	13:	14:	15:
16:	17:	18:	19:	20:

REVENUES YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

SHORT DESCRIPTION OF POSSIBLE ECONOMIES OF SCALE CONCERNING INVESTMENT AND OPERATION COSTS

UNIT (OR ITEM) COSTS AND UNIT (OR ITEM) REVENUES:

1 mile - $250 000

DERIVED EFFECTS OF IMPLEMENTING THE PROJECT

MAIN EFFECTS ON THE ENVIRONMENT: Links Long Lama with the main road

EMPLOYMENT:

YEAR	CONSTRUCTION				OPERATION			
	PROFESSIONALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL	PROFESSIONALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL
1								
2								6
3								12
4								17
5								17
6								17
7								
8								
9								
10								

INPUT OTHER THAN LABOUR: CONSTRUCTION (C), OPERATION (O)

YEARLY PRODUCTION:

NET REQUIREMENTS OF FOREIGN EXCHANGE YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

LINKS

LINKS TO OTHER PROJECTS AND DEVELOPMENT PACKAGES

NO: 4	NAME: Long Lama Town Development
NO: 23	NAME: Beluru-Long Lama Road Based Improvement Rural Development
NO:	NAME:
NO:	NAME:
NO:	NAME:
NO:	NAME:
NO:	NAME:

FINANCING

POSSIBILITIES OF FINANCING:

1: FEDERAL GOVERNMENT		2: STATE GOVERNMENT	✓
3: LOCAL GOVERNMENT		4: STATUTORY BODIES	
5: PUBLIC FUNDS		6: PRIVATE DOMESTIC SAVINGS	
7: PRIVATE FOREIGN LOANS		8: PUBLIC FOREIGN LOANS	

REFERENCES

REFERENCES:

1: Supporting Report 7
2: Supporting Report 6, Part II
3:
4:
5:

IDENTIFICATION

PROJECT NUMBER: 43 SECTOR: TRANSPORT

DEPARTMENT: PLANNING: / IMPLEMENTATION: / BUGET: } PWD

NAME OF PROJECT: Labang road

CONTENTS

DESCRIPTION: Secondary road standard - Total length 11.5 miles, alignment according to trunk road standard.

Width of formation - 36 feet
Pavement - 20 feet
Surface - gravel

COSTS AND REVENUES (1973 PRICES)

TOTAL INVESTMENT COSTS: $2 300 000 INVESTMENT PERIOD: 1975 to 1976

INVESTMENT YEAR BY YEAR: 1975

1: $1 600 000	2: $700 000	3:	4:	5:
6:	7:	8:	9:	10:

OPERATING COSTS YEAR BY YEAR: 1976

1: $40 000	2: $58 000	3: $58 000	4: $138 000	5: $58 000
6: $58 000	7: $58 000	8: $138 000	9: etc	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

REVENUES YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

SHORT DESCRIPTION OF POSSIBLE ECONOMIES OF SCALE CONCERNING INVESTMENT AND OPERATION COSTS

UNIT (OR ITEM) COSTS AND UNIT (OR ITEM) REVENUES:

1 mile - $200 000

DERIVED EFFECTS OF IMPLEMENTING THE PROJECT

MAIN EFFECTS ON THE ENVIRONMENT: Connect Labang with the whole road network system

EMPLOYMENT:

YEAR	CONSTRUCTION				OPERATION			
	PROFESSIO-NALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL	PROFESSIO-NALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL
1								6
2								8
3								8
4								8
5								8
6								8
7								
8								
9								
10								

INPUT OTHER THAN LABOUR: CONSTRUCTION (C), OPERATION (O)

YEARLY PRODUCTION:

NET REQUIREMENTS OF FOREIGN EXCHANGE YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

LINKS

LINKS TO OTHER PROJECTS AND DEVELOPMENT PACKAGES

NO: 24	NAME: Labang Timber Complex
NO: 10	NAME: Labang Town Development
NO: 17	NAME: Labang Road Based Improvement Rural Development
NO:	NAME:
NO:	NAME:
NO:	NAME:
NO:	NAME:

FINANCING

POSSIBILITIES OF FINANCING:

1: FEDERAL GOVERNMENT		2: STATE GOVERNMENT	✓
3: LOCAL GOVERNMENT		4: STATUTORY BODIES	
5: PUBLIC FUNDS		6: PRIVATE DOMESTIC SAVINGS	
7: PRIVATE FOREIGN LOANS		8: PUBLIC FOREIGN LOANS	

REFERENCES

REFERENCES:

1: Supporting Report 7
2: Supporting Report 6, Part II
3:
4:
5:

IDENTIFICATION

PROJECT NUMBER: 44 SECTOR: TRANSPORT

DEPARTMENT: PLANNING: / IMPLEMENTATION: / BUGET: } PWD

NAME OF PROJECT: Bintulu - Tanjong Kidurong road

CONTENTS

DESCRIPTION: Trunk road standard from the present Bintulu town to Tanjong Kidurong - Total length 10 miles

Width of formation - 44 feet
Pavement - 24 feet
Black top sealed

COSTS AND REVENUES (1973 PRICES)

TOTAL INVESTMENT COSTS: $4 000 000 INVESTMENT PERIOD: 1975 to 1977

INVESTMENT YEAR BY YEAR: 1975

1: $1 800 000	2: $2 000 000	3: $200 000	4:	5:
6:	7:	8:	9:	10:

OPERATING COSTS YEAR BY YEAR: (from 1977)

1: $25 000	2: $25 000	3: $25 000	4: $120 000	5: $25 000
6: $25 000	7: $25 000	8: $120 000	9: etc	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

REVENUES YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

SHORT DESCRIPTION OF POSSIBLE ECONOMIES OF SCALE CONCERNING INVESTMENT AND OPERATION COSTS

UNIT (OR ITEM) COSTS AND UNIT (OR ITEM) REVENUES:

1 mile - $400 000

DERIVED EFFECTS OF IMPLEMENTING THE PROJECT

MAIN EFFECTS ON THE ENVIRONMENT: Links the deep water port with Bintulu encourages industrial and commercial activities in the Tanjong Kidurong area.

EMPLOYMENT:

YEAR	CONSTRUCTION				OPERATION			
	PROFESSIO-NALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL	PROFESSIO-NALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL
1								
2								
3								4
4								4
5								4
6								4
7								
8								
9								
10								

INPUT OTHER THAN LABOUR: CONSTRUCTION (C), OPERATION (O)

YEARLY PRODUCTION:

NET REQUIREMENTS OF FOREIGN EXCHANGE YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

LINKS

LINKS TO OTHER PROJECTS AND DEVELOPMENT PACKAGES

NO: 1	NAME: Bintulu Town Development
NO: 188	NAME: Deep water port Project
NO: 204	NAME: Industrial Estate Bintulu Project
NO:	NAME:
NO:	NAME:
NO:	NAME:
NO:	NAME:

FINANCING

POSSIBILITIES OF FINANCING:

1: FEDERAL GOVERNMENT		2: STATE GOVERNMENT	✓
3: LOCAL GOVERNMENT		4: STATUTORY BODIES	
5: PUBLIC FUNDS		6: PRIVATE DOMESTIC SAVINGS	
7: PRIVATE FOREIGN LOANS		8: PUBLIC FOREIGN LOANS	

REFERENCES

REFERENCES:

1: PWD preliminary estimates
2: Supporting Report 7
3:
4:
5:

IDENTIFICATION

PROJECT NUMBER: 45 SECTOR: TRANSPORT

DEPARTMENT: PLANNING: / IMPLEMENTATION: / BUGET: } PWD

NAME OF PROJECT: Miri-Bintulu road - Bintulu/Tanjong Kidurong road

CONTENTS

DESCRIPTION: Trunk road standard, 4.7 miles

Width of formation - 44 feet
Pavement - 24 feet
Surface - gravel

COSTS AND REVENUES (1973 PRICES)

TOTAL INVESTMENT COSTS: $1 222 000 INVESTMENT PERIOD: 1975 to 1976

INVESTMENT YEAR BY YEAR: 1975

1: $780 000	2: $442 000	3:	4:	5:
6:	7:	8:	9:	10:

OPERATING COSTS YEAR BY YEAR: 1976

1: $15 000	2: $24 000	3: $24 000	4: $56 000	5: $24 000
6: $24 000	7: $24 000	8: $56 000	9: etc	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

REVENUES YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

SHORT DESCRIPTION OF POSSIBLE ECONOMIES OF SCALE CONCERNING INVESTMENT AND OPERATION COSTS

UNIT (OR ITEM) COSTS AND UNIT (OR ITEM) REVENUES:

1 mile - $260 000

DERIVED EFFECTS OF IMPLEMENTING THE PROJECT

MAIN EFFECTS ON THE ENVIRONMENT: Serves the population of Bintulu and links the deep water port with the Miri-Bintulu road

EMPLOYMENT:

YEAR	CONSTRUCTION				OPERATION			
	PROFESSIO-NALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL	PROFESSIO-NALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL
1								
2								
3								3
4								4
5								4
6								4
7								4
8								
9								
10								

INPUT OTHER THAN LABOUR: CONSTRUCTION (C), OPERATION (O)

YEARLY PRODUCTION:

NET REQUIREMENTS OF FOREIGN EXCHANGE YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

LINKS

LINKS TO OTHER PROJECTS AND DEVELOPMENT PACKAGES

NO: 2	NAME: Bintulu Town Development
NO: 188	NAME: Deep water port Project
NO: 52	NAME: LNG road Project
NO:	NAME:
NO:	NAME:
NO:	NAME:
NO:	NAME:

FINANCING

POSSIBILITIES OF FINANCING:

1: FEDERAL GOVERNMENT		2: STATE GOVERNMENT	✓
3: LOCAL GOVERNMENT		4: STATUTORY BODIES	
5: PUBLIC FUNDS		6: PRIVATE DOMESTIC SAVINGS	
7: PRIVATE FOREIGN LOANS		8: PUBLIC FOREIGN LOANS	

REFERENCES

REFERENCES:

1: Supporting Report 7
2: Supporting Report 6, Part II
3:
4:
5:

IDENTIFICATION

PROJECT NUMBER: 46 SECTOR: TRANSPORT

DEPARTMENT — PLANNING: / IMPLEMENTATION: / BUGET: — PWD

NAME OF PROJECT: Miri-Bintulu road - improvement

CONTENTS

DESCRIPTION: Improving the standard and the alignment at certain locations

COSTS AND REVENUES (1973 PRICES)

TOTAL INVESTMENT COSTS: $12 500 000 INVESTMENT PERIOD: 1974 to 1977

INVESTMENT YEAR BY YEAR: 1974

1: $3 500 000	2: $2 000 000	3: $4 000 000	4: $3 000 000	5:
6:	7:	8:	9:	10:

OPERATING COSTS YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

REVENUES YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

SHORT DESCRIPTION OF POSSIBLE ECONOMIES OF SCALE CONCERNING INVESTMENT AND OPERATION COSTS

UNIT (OR ITEM) COSTS AND UNIT (OR ITEM) REVENUES:

DERIVED EFFECTS OF IMPLEMENTING THE PROJECT

MAIN EFFECTS ON THE ENVIRONMENT: Allows heavier and smoother transport facilities

EMPLOYMENT:

YEAR	CONSTRUCTION				OPERATION			
	PROFESSIONALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL	PROFESSIONALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL
1								
2								
3								
4								
5								
6								
7								
8								
9								
10								

INPUT OTHER THAN LABOUR: CONSTRUCTION (C), OPERATION (O)

YEARLY PRODUCTION:

NET REQUIREMENTS OF FOREIGN EXCHANGE YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

LINKS

LINKS TO OTHER PROJECTS AND DEVELOPMENT PACKAGES

NO: NAME:
NO: NAME:
NO: NAME:
NO: NAME:
NO: NAME:
NO: NAME:
NO: NAME:

FINANCING

POSSIBILITIES OF FINANCING:

1: FEDERAL GOVERNMENT		2: STATE GOVERNMENT	✓
3: LOCAL GOVERNMENT		4: STATUTORY BODIES	
5: PUBLIC FUNDS		6: PRIVATE DOMESTIC SAVINGS	
7: PRIVATE FOREIGN LOANS		8: PUBLIC FOREIGN LOANS	

REFERENCES

REFERENCES:

1: Supporting Report 7
2: PWD preliminary estimates
3:
4:
5:

IDENTIFICATION

PROJECT NUMBER: 47 SECTOR: TRANSPORT

DEPARTMENT: PLANNING: / IMPLEMENTATION: / BUGET: } PWD

NAME OF PROJECT: Miri-Bintulu road - Surfacing

CONTENTS

DESCRIPTION: Surfacing the existing road with a pre-mix surface from Bintulu to mile 10

$0.5 million will be carried out in 1974, $1.2 million in 1981

COSTS AND REVENUES (1973 PRICES)

TOTAL INVESTMENT COSTS: $17 000 INVESTMENT PERIOD: 1974 to 1980

INVESTMENT YEAR BY YEAR: 1974

1: $500 000 2: $500 000 3: $2 000 000 4: $2 000 000 5: $4 000 000
6: $4 000 000 7: $4 000 000 8: 9: 10:

OPERATING COSTS YEAR BY YEAR:

1: 2: 3: 4: 5:
6: 7: 8: 9: 10:
11: 12: 13: 14: 15:
16: 17: 18: 19: 20:

REVENUES YEAR BY YEAR:

1: 2: 3: 4: 5:
6: 7: 8: 9: 10:
11: 12: 13: 14: 15:
16: 17: 18: 19: 20:

SHORT DESCRIPTION OF POSSIBLE ECONOMIES OF SCALE CONCERNING INVESTMENT AND OPERATION COSTS

UNIT (OR ITEM) COSTS AND UNIT (OR ITEM) REVENUES:

DERIVED EFFECTS OF IMPLEMENTING THE PROJECT

MAIN EFFECTS ON THE ENVIRONMENT: Allows heavier vehicles usage and reduces roughness

EMPLOYMENT:

YEAR	CONSTRUCTION				OPERATION			
	PROFESSIONALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL	PROFESSIONALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL
1								
2								
3								
4								
5								
6								
7								
8								
9								
10								

INPUT OTHER THAN LABOUR: CONSTRUCTION (C), OPERATION (O)

YEARLY PRODUCTION:

NET REQUIREMENTS OF FOREIGN EXCHANGE YEAR BY YEAR:

1: 2: 3: 4: 5:
6: 7: 8: 9: 10:
11: 12: 13: 14: 15:
16: 17: 18: 19: 20:

LINKS

LINKS TO OTHER PROJECTS AND DEVELOPMENT PACKAGES

NO: NAME:
NO: NAME:
NO: NAME:
NO: NAME:
NO: NAME:
NO: NAME:
NO: NAME:

FINANCING

POSSIBILITIES OF FINANCING:

1: FEDERAL GOVERNMENT ☐ 2: STATE GOVERNMENT ☑
3: LOCAL GOVERNMENT ☐ 4: STATUTORY BODIES ☐
5: PUBLIC FUNDS ☐ 6: PRIVATE DOMESTIC SAVINGS ☐
7: PRIVATE FOREIGN LOANS ☐ 8: PUBLIC FOREIGN LOANS ☐

REFERENCES

REFERENCES:

1: Supporting Report 7
2: Supporting Report 6, Part II
3: PWD preliminary estimates
4:
5:

IDENTIFICATION

PROJECT NUMBER: 48 SECTOR: TRANSPORT

DEPARTMENT: PLANNING: / IMPLEMENTATION: / BUGET: } PWD

NAME OF PROJECT: Bridges - Miri-Bintulu road

CONTENTS

DESCRIPTION: Nine bridges along the Miri-Bintulu road

COSTS AND REVENUES (1973 PRICES)

TOTAL INVESTMENT COSTS: $1 500 000 INVESTMENT PERIOD: 1975 to 1976

INVESTMENT YEAR BY YEAR: 1975 +

1: $250 000	2: $500 000	3: $500 000	4: $250 000	5:
6:	7:	8:	9:	10:

OPERATING COSTS YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

REVENUES YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

SHORT DESCRIPTION OF POSSIBLE ECONOMIES OF SCALE CONCERNING INVESTMENT AND OPERATION COSTS

UNIT (OR ITEM) COSTS AND UNIT (OR ITEM) REVENUES:

DERIVED EFFECTS OF IMPLEMENTING THE PROJECT

MAIN EFFECTS ON THE ENVIRONMENT: Allows heavier vehicular capacity

EMPLOYMENT:

YEAR	CONSTRUCTION				OPERATION			
	PROFESSIO-NALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL	PROFESSIO-NALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL
1								
2								
3								
4								
5								
6								
7								
8								
9								
10								

INPUT OTHER THAN LABOUR: CONSTRUCTION (C), OPERATION (O)

YEARLY PRODUCTION:

NET REQUIREMENTS OF FOREIGN EXCHANGE YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

LINKS

LINKS TO OTHER PROJECTS AND DEVELOPMENT PACKAGES

NO: NAME:
NO: NAME:
NO: NAME:
NO: NAME:
NO: NAME:
NO: NAME:
NO: NAME:

FINANCING

POSSIBILITIES OF FINANCING:

1: FEDERAL GOVERNMENT		2: STATE GOVERNMENT	✓
3: LOCAL GOVERNMENT		4: STATUTORY BODIES	
5: PUBLIC FUNDS		6: PRIVATE DOMESTIC SAVINGS	
7: PRIVATE FOREIGN LOANS		8: PUBLIC FOREIGN LOANS	✓

REFERENCES

REFERENCES:

1: PWD estimates (Mid-Term Review)
2: Supporting Report 7
3:
4:
5:

IDENTIFICATION

PROJECT NUMBER: 49 SECTOR: TRANSPORT

DEPARTMENT — PLANNING: / IMPLEMENTATION: / BUGET: } PWD

NAME OF PROJECT: Miri-Lutong road improvement

CONTENTS

DESCRIPTION: Widening the road - Total mileage: seven miles
(4.6 miles within the Action Programme period)

COSTS AND REVENUES (1973 PRICES)

TOTAL INVESTMENT COSTS: $1 000 000 INVESTMENT PERIOD: 1974 to 1976

INVESTMENT YEAR BY YEAR: 1974

1: $500 000	2: $500 000	3: $500 000	4:	5:
6:	7:	8:	9:	10:

OPERATING COSTS YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

REVENUES YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

SHORT DESCRIPTION OF POSSIBLE ECONOMIES OF SCALE CONCERNING INVESTMENT AND OPERATION COSTS

UNIT (OR ITEM) COSTS AND UNIT (OR ITEM) REVENUES:

DERIVED EFFECTS OF IMPLEMENTING THE PROJECT

MAIN EFFECTS ON THE ENVIRONMENT: Better traffic flow from Miri to Lutong, less accidents

EMPLOYMENT:

YEAR	CONSTRUCTION				OPERATION			
	PROFESSIONALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL	PROFESSIONALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL
1								
2								
3								
4								
5								
6								
7								
8								
9								
10								

INPUT OTHER THAN LABOUR: CONSTRUCTION (C), OPERATION (O)

YEARLY PRODUCTION:

NET REQUIREMENTS OF FOREIGN EXCHANGE YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

LINKS

LINKS TO OTHER PROJECTS AND DEVELOPMENT PACKAGES

NO: 1	NAME: Miri Town Development
NO:	NAME:
NO:	NAME:
NO:	NAME:
NO:	NAME:
NO:	NAME:
NO:	NAME:

FINANCING

POSSIBILITIES OF FINANCING:

1: FEDERAL GOVERNMENT		2: STATE GOVERNMENT	✓
3: LOCAL GOVERNMENT		4: STATUTORY BODIES	
5: PUBLIC FUNDS		6: PRIVATE DOMESTIC SAVINGS	
7: PRIVATE FOREIGN LOANS		8: PUBLIC FOREIGN LOANS	

REFERENCES

REFERENCES:

1: Supporting Report 7
2: PWD preliminary estimates (Mid-Term Review)
3:
4:
5:

IDENTIFICATION

PROJECT NUMBER: 50 SECTOR: TRANSPORT

DEPARTMENT — PLANNING: L & SD; IMPLEMENTATION: PWD; BUGET: PWD

NAME OF PROJECT: Urban roads – Miri

CONTENTS

DESCRIPTION: Construction, improvements and surfacing of roads within Miri urban area, excluding improvements to the Miri-Lutong road.

Cost figures derived from the Mid-Term Review of the Second Malaysia Plan are 'lump sums'. The project is specified for the Action Programme period only.

COSTS AND REVENUES (1973 PRICES)

TOTAL INVESTMENT COSTS: $3 000 000 INVESTMENT PERIOD: 1975 to 1980

INVESTMENT YEAR BY YEAR:

1: $500 000	2: $500 000	3: $500 000	4: $500 000	5: $500 000
6: $500 000	7:	8:	9:	10:

OPERATING COSTS YEAR BY YEAR: 1976

1: $17 000	2: $33 000	3: $50 000	4: $67 000	5: $83 000
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

REVENUES YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

SHORT DESCRIPTION OF POSSIBLE ECONOMIES OF SCALE CONCERNING INVESTMENT AND OPERATION COSTS

UNIT (OR ITEM) COSTS AND UNIT (OR ITEM) REVENUES:

DERIVED EFFECTS OF IMPLEMENTING THE PROJECT

MAIN EFFECTS ON THE ENVIRONMENT: Give access to new town areas

EMPLOYMENT: 1976

YEAR	CONSTRUCTION				OPERATION			
	PROFESSIONALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL	PROFESSIONALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL
1								
2								2
3								4
4								7
5								9
6								11
7								
8								
9								
10								

INPUT OTHER THAN LABOUR: CONSTRUCTION (C), OPERATION (O)

YEARLY PRODUCTION:

NET REQUIREMENTS OF FOREIGN EXCHANGE YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

LINKS

LINKS TO OTHER PROJECTS AND DEVELOPMENT PACKAGES

NO: 1	NAME: Miri Town Development
NO:	NAME:
NO:	NAME:
NO:	NAME:
NO:	NAME:
NO:	NAME:
NO:	NAME:

FINANCING

POSSIBILITIES OF FINANCING:

1: FEDERAL GOVERNMENT		2: STATE GOVERNMENT	✓
3: LOCAL GOVERNMENT		4: STATUTORY BODIES	
5: PUBLIC FUNDS		6: PRIVATE DOMESTIC SAVINGS	
7: PRIVATE FOREIGN LOANS		8: PUBLIC FOREIGN LOANS	

REFERENCES

REFERENCES:

1: Mid-Term Review of the Second Malaysia Plan
2:
3:
4:
5:

IDENTIFICATION

PROJECT NUMBER: 51 SECTOR: TRANSPORT

DEPARTMENT: PLANNING: / IMPLEMENTATION: / BUGET: — PWD

NAME OF PROJECT: Extension - Miri airport

CONTENTS

DESCRIPTION: Extension of the runway at Miri airport to take aircraft of the Boeing 737 type

Increase the runway from 4 500 feet to 6 500 feet

COSTS AND REVENUES (1973 PRICES)

TOTAL INVESTMENT COSTS: $12 500 000 INVESTMENT PERIOD: 1973 to 1976

INVESTMENT YEAR BY YEAR:

1: $2 500 000	2: $4 000 000	3: $4 000 000	4: $2 000 000	5:
6:	7:	8:	9:	10:

OPERATING COSTS YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

REVENUES YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

SHORT DESCRIPTION OF POSSIBLE ECONOMIES OF SCALE CONCERNING INVESTMENT AND OPERATION COSTS

UNIT (OR ITEM) COSTS AND UNIT (OR ITEM) REVENUES:

DERIVED EFFECTS OF IMPLEMENTING THE PROJECT

MAIN EFFECTS ON THE ENVIRONMENT: Improve the transport standard, reduce transport time between Miri and the outside world.

EMPLOYMENT:

YEAR	CONSTRUCTION				OPERATION			
	PROFESSIO-NALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL	PROFESSIO-NALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL
1								
2								
3								
4								
5								
6								
7								
8								
9								
10								

INPUT OTHER THAN LABOUR: CONSTRUCTION (C), OPERATION (O)

YEARLY PRODUCTION:

NET REQUIREMENTS OF FOREIGN EXCHANGE YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

LINKS

LINKS TO OTHER PROJECTS AND DEVELOPMENT PACKAGES

NO: 1	NAME: Miri Town Development
NO:	NAME:
NO:	NAME:
NO:	NAME:
NO:	NAME:
NO:	NAME:
NO:	NAME:

FINANCING

POSSIBILITIES OF FINANCING:

1: FEDERAL GOVERNMENT	✓	2: STATE GOVERNMENT	
3: LOCAL GOVERNMENT		4: STATUTORY BODIES	
5: PUBLIC FUNDS		6: PRIVATE DOMESTIC SAVINGS	
7: PRIVATE FOREIGN LOANS		8: PUBLIC FOREIGN LOANS	

REFERENCES

REFERENCES:

1: Mid-Term Review of the Second Malaysia Plan
2:
3:
4:
5:

IDENTIFICATION

PROJECT NUMBER: 52 SECTOR: TRANSPORT

DEPARTMENT: PLANNING: / IMPLEMENTATION: / BUGET: } PWD

NAME OF PROJECT: LNG road

CONTENTS

DESCRIPTION: Trunk road standard - 0.9 miles

Width of formation - 44 feet
Pavement - 24 feet
Surface - gravel

COSTS AND REVENUES (1973 PRICES)

TOTAL INVESTMENT COSTS: $270 000 INVESTMENT PERIOD: 1975 to 1976

INVESTMENT YEAR BY YEAR: 1975+

1: $135 000	2: $135 000	3:	4:	5:
6:	7:	8:	9:	10:

OPERATING COSTS YEAR BY YEAR: 1977+

1: $5 000	2: $5 000	3: $5 000	4: $10 800	5: $5 000
6: $5 000	7: $5 000	8: $10 800	9: etc	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

REVENUES YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

SHORT DESCRIPTION OF POSSIBLE ECONOMIES OF SCALE CONCERNING INVESTMENT AND OPERATION COSTS

UNIT (OR ITEM) COSTS AND UNIT (OR ITEM) REVENUES:

1 mile - $300 000

DERIVED EFFECTS OF IMPLEMENTING THE PROJECT

MAIN EFFECTS ON THE ENVIRONMENT: Serves the LNG plant - links up with the Tanjong Kidurong road

EMPLOYMENT:

YEAR	CONSTRUCTION				OPERATION			
	PROFESSIO-NALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL	PROFESSIO-NALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL
1								1
2								1
3								1
4								1
5								1
6								1
7								
8								
9								
10								

INPUT OTHER THAN LABOUR: CONSTRUCTION (C), OPERATION (O)

YEARLY PRODUCTION:

NET REQUIREMENTS OF FOREIGN EXCHANGE YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

LINKS

LINKS TO OTHER PROJECTS AND DEVELOPMENT PACKAGES

NO: NAME:
NO: NAME:
NO: NAME:
NO: NAME:
NO: NAME:
NO: NAME:
NO: NAME:

FINANCING

POSSIBILITIES OF FINANCING:

1: FEDERAL GOVERNMENT		2: STATE GOVERNMENT	
3: LOCAL GOVERNMENT		4: STATUTORY BODIES	
5: PUBLIC FUNDS		6: PRIVATE DOMESTIC SAVINGS	✓
7: PRIVATE FOREIGN LOANS		8: PUBLIC FOREIGN LOANS	

REFERENCES

REFERENCES:

1: Supporting Report 7
2: Supporting Report 6, Part II
3:
4:
5:

IDENTIFICATION

PROJECT NUMBER: 53 SECTOR: TRANSPORT

DEPARTMENT
PLANNING: MEN-AIE
IMPLEMENTATION: PRIVATE
BUGET: PRIVATE

NAME OF PROJECT: Public transport - Residual

CONTENTS

DESCRIPTION: Establishment of new bus services during Action Programme period - 30 buses

COSTS AND REVENUES (1971 PRICES)

TOTAL INVESTMENT COSTS: $900 000 INVESTMENT PERIOD: 1975 to 1980

INVESTMENT YEAR BY YEAR:

1: $150 000	2: $150 000	3: $150 000	4: $150 000	5: $150 000
6: $150 000	7:	8:	9:	10:

OPERATING COSTS YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

REVENUES YEAR BY YEAR: 1975+

1: $100 000	2: $200 000	3: $300 000	4: $400 000	5: $500 000
6: $600 000	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

SHORT DESCRIPTION OF POSSIBLE ECONOMIES OF SCALE CONCERNING INVESTMENT AND OPERATION COSTS

UNIT (OR ITEM) COSTS AND UNIT (OR ITEM) REVENUES:

DERIVED EFFECTS OF IMPLEMENTING THE PROJECT

MAIN EFFECTS ON THE ENVIRONMENT: Improved public transport system

EMPLOYMENT:

YEAR	CONSTRUCTION				OPERATION			
	PROFESSIONALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL	PROFESSIONALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL
1								10
2								20
3								30
4								40
5								50
6								60
7								
8								
9								
10								

INPUT OTHER THAN LABOUR: CONSTRUCTION (C), OPERATION (O)

YEARLY PRODUCTION:

NET REQUIREMENTS OF FOREIGN EXCHANGE YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

LINKS

LINKS TO OTHER PROJECTS AND DEVELOPMENT PACKAGES

NO: NAME:
NO: NAME:
NO: NAME:
NO: NAME:
NO: NAME:
NO: NAME:
NO: NAME:

FINANCING

POSSIBILITIES OF FINANCING:

1: FEDERAL GOVERNMENT		2: STATE GOVERNMENT	✓
3: LOCAL GOVERNMENT		4: STATUTORY BODIES	
5: PUBLIC FUNDS		6: PRIVATE DOMESTIC SAVINGS	✓
7: PRIVATE FOREIGN LOANS		8: PUBLIC FOREIGN LOANS	

REFERENCES

REFERENCES:

1: Supporting Report 7
2:
3:
4:
5:

IDENTIFICATION

PROJECT NUMBER: 54 SECTOR: PUBLIC SERVICES

DEPARTMENT		
	PLANNING:	ED
	IMPLEMENTATION:	PWD
	BUGET:	ED

NAME OF PROJECT: Primary school (semi-permanent)

CONTENTS

DESCRIPTION: One stream unit with teachers' quarters, 210 to 270 pupils (depending on the number of pupils in each classroom). The buildings are ~~normally semi-permanent in~~ rural areas.

6 classrooms
1 assembly hall
Drainage, leveling, piling, etc.
7 teachers' quarters
1.5 acres (excluding teachers' quarters)

1 office
1 library
1 toilet
Furniture and equipment
Electricity and water connection to the main system
Fencing

COSTS AND REVENUES (1973 PRICES)

TOTAL INVESTMENT COSTS: $287 500 excluding cost of land INVESTMENT PERIOD: 1 year

INVESTMENT YEAR BY YEAR:

1: $287 500	2:	3:	4:	5:
6:	7:	8:	9:	10:

OPERATING COSTS YEAR BY YEAR:

1: $31-40 000	2: $31-40 000	3: $31-40 000	4: $31-40 000	5: $31-40 000
6: etc	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

REVENUES YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

SHORT DESCRIPTION OF POSSIBLE ECONOMIES OF SCALE CONCERNING INVESTMENT AND OPERATION COSTS

The ~~school~~ facilities described could also accommodate two streams by introducing morning and afternoon classes. This would lead to an increase in operating costs, but not in investment costs.

UNIT (OR ITEM) COSTS AND UNIT (OR ITEM) REVENUES:

	$		$
Classrooms	10 000	1 office	10 000
Library	10 000	1 assembly hall	30 000
Toilet	12 000	Drainage, leveling, piling, etc	12 000
Furniture and equipment	12 000	Contingencies	14 000
Teachers' flats/houses	15 000		
Headmaster's house	27 000		

DERIVED EFFECTS OF IMPLEMENTING THE PROJECT

MAIN EFFECTS ON THE ENVIRONMENT: Serves a population of 1 500 to 1 800 (one stream) and turns out 35 to 45 pupils per year from primary six level

EMPLOYMENT:

YEAR	CONSTRUCTION				OPERATION			
	PROFESSIO-NALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL	PROFESSIO-NALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL
1								
2								
3								
4								
5								
6					7		1	8
7								
8								
9								
10								

INPUT OTHER THAN LABOUR: CONSTRUCTION (C), OPERATION (O)

YEARLY PRODUCTION: 35 to 45 pupils from Primary Six per year

NET REQUIREMENTS OF FOREIGN EXCHANGE YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

LINKS

LINKS TO OTHER PROJECTS AND DEVELOPMENT PACKAGES

NO:	NAME: Related Town Development Schemes
NO:	NAME:
NO:	NAME:
NO:	NAME:
NO:	NAME:
NO:	NAME:
NO:	NAME:

FINANCING

POSSIBILITIES OF FINANCING:

1: FEDERAL GOVERNMENT	✓	2: STATE GOVERNMENT	
3: LOCAL GOVERNMENT		4: STATUTORY BODIES	
5: PUBLIC FUNDS		6: PRIVATE DOMESTIC SAVINGS	
7: PRIVATE FOREIGN LOANS		8: PUBLIC FOREIGN LOANS	

REFERENCES

REFERENCES:

1: Supporting Report 6, Part I
2:
3:
4:
5:

IDENTIFICATION

PROJECT NUMBER: 55 SECTOR: PUBLIC SERVICES

DEPARTMENT
PLANNING: ED
IMPLEMENTATION: PWD
BUGET: ED

NAME OF PROJECT: Lower secondary school (two streams, semi-permanent)

CONTENTS

DESCRIPTION: A two stream unit with teachers' quarters and boarding facilities, 280 students forms 1 to 3, wooden construction is normally provided in rural areas.

6 classrooms, 1 office, 1 staffroom, 1 woodwork shop, 1 science laboratory, storage space, books, toilet, drainage, leveling, piling, etc. teachers' quarters, 2 boarding houses, 4 houses for domestic staff

library and reading room, 1 assembly hall 1 home science room, 1 canteen, science and office equipment, bicycle shelter, internal roads, sport grounds, 6.5 acres land requirements

COSTS AND REVENUES (1973 PRICES)

TOTAL INVESTMENT COSTS: $776 000 INVESTMENT PERIOD: 1 year

INVESTMENT YEAR BY YEAR:

1: $776 000	2:	3:	4:	5:
6:	7:	8:	9:	10:

OPERATING COSTS YEAR BY YEAR:

1: $85 000	2: $85 000	3: $85 000	4: $85 000	5: $85 000
6: etc	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

REVENUES YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

SHORT DESCRIPTION OF POSSIBLE ECONOMIES OF SCALE CONCERNING INVESTMENT AND OPERATION COSTS

UNIT (OR ITEM) COSTS AND UNIT (OR ITEM) REVENUES:

	$		$
Classroom	10 000	1 Assembly hall	50 000
Workwork shop, science laborary	40 000	Canteen, storage space, toilet	42 000
Science and office equipment	35 000	Home science room	20 000
Electricity and water	15 000	Drainage, leveling, piling	12 000
Sport grounds	25 000	Books, roads	30 000
1 Office, 1 Staff room, 1 Library	60 000	Contingencies	35 000
Teacher's flat/house	15 000	Boarding house	180 000
Headmaster's house	27 000		

DERIVED EFFECTS OF IMPLEMENTING THE PROJECT

MAIN EFFECTS ON THE ENVIRONMENT: Serves a population of 7 500 to 8 500 and produces 80 Form Three students per year

EMPLOYMENT:

YEAR	CONSTRUCTION				OPERATION			
	PROFESSIO-NALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL	PROFESSIO-NALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL
1								
2								
3								
4								
5								
6					9	2	5	16
7								
8								
9								
10								

INPUT OTHER THAN LABOUR: CONSTRUCTION (C), OPERATION (O)

YEARLY PRODUCTION: Produces 80 students to the next higher level each year

NET REQUIREMENTS OF FOREIGN EXCHANGE YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

LINKS

LINKS TO OTHER PROJECTS AND DEVELOPMENT PACKAGES

NO: NAME: Related Town Development Schemes
NO: NAME:
NO: NAME:
NO: NAME:
NO: NAME:
NO: NAME:
NO: NAME:

FINANCING

POSSIBILITIES OF FINANCING:

1: FEDERAL GOVERNMENT	✓	2: STATE GOVERNMENT	
3: LOCAL GOVERNMENT		4: STATUTORY BODIES	
5: PUBLIC FUNDS		6: PRIVATE DOMESTIC SAVINGS	
7: PRIVATE FOREIGN LOANS		8: PUBLIC FOREIGN LOANS	

REFERENCES

REFERENCES:

1: Supporting Report 6, Part I
2:
3:
4:
5:

IDENTIFICATION

PROJECT NUMBER: 56 SECTOR: PUBLIC SERVICES

DEPARTMENT — PLANNING: DC; IMPLEMENTATION: PWD; BUGET: DC

NAME OF PROJECT: Parks and playgrounds

CONTENTS

DESCRIPTION: Development of parks and playgrounds in town and village areas.

COSTS AND REVENUES (1973 PRICES)

TOTAL INVESTMENT COSTS: INVESTMENT PERIOD: 1 year

INVESTMENT YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:

OPERATING COSTS YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

REVENUES YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

SHORT DESCRIPTION OF POSSIBLE ECONOMIES OF SCALE CONCERNING INVESTMENT AND OPERATION COSTS

UNIT (OR ITEM) COSTS AND UNIT (OR ITEM) REVENUES:

$2 000 per acre

DERIVED EFFECTS OF IMPLEMENTING THE PROJECT

MAIN EFFECTS ON THE ENVIRONMENT: Improves recreational and play opportunities

EMPLOYMENT:

YEAR	CONSTRUCTION				OPERATION			
	PROFESSIO-NALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL	PROFESSIO-NALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL
1								
2								
3								
4								
5								
6								
7								
8								
9								
10								

INPUT OTHER THAN LABOUR: CONSTRUCTION (C), OPERATION (O)

YEARLY PRODUCTION:

NET REQUIREMENTS OF FOREIGN EXCHANGE YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

LINKS

LINKS TO OTHER PROJECTS AND DEVELOPMENT PACKAGES

NO: NAME:
NO: NAME:
NO: NAME:
NO: NAME:
NO: NAME:
NO: NAME:
NO: NAME:

FINANCING

POSSIBILITIES OF FINANCING:

1: FEDERAL GOVERNMENT		2: STATE GOVERNMENT	✓
3: LOCAL GOVERNMENT		4: STATUTORY BODIES	
5: PUBLIC FUNDS		6: PRIVATE DOMESTIC SAVINGS	
7: PRIVATE FOREIGN LOANS		8: PUBLIC FOREIGN LOANS	

REFERENCES

REFERENCES:

1:
2:
3:
4:
5:

IDENTIFICATION

PROJECT NUMBER: 57 SECTOR: PUBLIC SERVICES

DEPARTMENT — PLANNING: EDUCATION; IMPLEMENTATION: PWD; BUGET: EDUCATION

NAME OF PROJECT: Primary school (permanent)

CONTENTS

DESCRIPTION: One stream with teachers' quarters, 210 to 270 pupils (depending on the number of pupils in each classroom)

6 classrooms
1 library
1 toilet
Furniture and equipment
Area required - 1.5 acres (excluding area for quarters)

1 office
1 assembly hall
Electricity and water connection to the main system
Drainage, levelling, piling,
Fencing,
7 teachers' quarters

COSTS AND REVENUES (1973 PRICES)

TOTAL INVESTMENT COSTS: $427 500 INVESTMENT PERIOD: 1 year

INVESTMENT YEAR BY YEAR:

1: $427 500	2:	3:	4:	5:
6:	7:	8:	9:	10:

OPERATING COSTS YEAR BY YEAR:

1: $31-40 000	2: $31-40 000	3: $31-40 000	4: $31-40 000	5: $31-40 000
6: etc	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

REVENUES YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

SHORT DESCRIPTION OF POSSIBLE ECONOMIES OF SCALE CONCERNING INVESTMENT AND OPERATION COSTS

To provide one more stream, it is not necessary to build more classrooms as one stream is held in the morning and the other in the afternoon. This will lead to an increase in operation costs, but not in investment costs.

UNIT (OR ITEM) COSTS AND UNIT (OR ITEM) REVENUES:

	$		$
Classrooms	15 000	Library	15 000
Office	15 000	Assembly hall	50 000
Toilet	25 000	Connection of electricity and water	15 000
Drainage, levelling, piling, etc	12 000	Furniture and equipment	12 000
Fencing	8 000	Contingencies	20 000
Teachers' flats/houses	20 000		
Headmaster's house	35 000		

DERIVED EFFECTS OF IMPLEMENTING THE PROJECT

MAIN EFFECTS ON THE ENVIRONMENT: Will serve a total population of 1 500 to 1 800 and turn out 35 to 45 pupils per year from Primary Six

EMPLOYMENT:

YEAR	CONSTRUCTION				OPERATION			
	PROFESSIONALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL	PROFESSIONALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL
1								
2								
3								
4								
5								
6					7		1	8
7								
8								
9								
10								

INPUT OTHER THAN LABOUR: CONSTRUCTION (C), OPERATION (O)

YEARLY PRODUCTION: 35 to 45 pupils from Primary Six level per year

NET REQUIREMENTS OF FOREIGN EXCHANGE YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

LINKS

LINKS TO OTHER PROJECTS AND DEVELOPMENT PACKAGES

NO: NAME:
NO: NAME:
NO: NAME:
NO: NAME:
NO: NAME:
NO: NAME:
NO: NAME:

FINANCING

POSSIBILITIES OF FINANCING:

1:	FEDERAL GOVERNMENT	✓	2:	STATE GOVERNMENT	
3:	LOCAL GOVERNMENT		4:	STATUTORY BODIES	
5:	PUBLIC FUNDS		6:	PRIVATE DOMESTIC SAVINGS	
7:	PRIVATE FOREIGN LOANS		8:	PUBLIC FOREIGN LOANS	

REFERENCES

REFERENCES:

1: Supporting Report 6, Part I
2:
3:
4:
5:

IDENTIFICATION

PROJECT NUMBER: 58 SECTOR: PUBLIC SERVICES

DEPARTMENT
PLANNING: DC /SLDB
IMPLEMENTATION: PMD/SLDB
BUGET: DC /SLDB

NAME OF PROJECT: Community Hall

CONTENTS

DESCRIPTION: Capacity of 500 seats suitable for a village of about 2 000 people
Building and small canteen annexe

COSTS AND REVENUES (1973 PRICES)

TOTAL INVESTMENT COSTS: $30 000 INVESTMENT PERIOD: 1 year

INVESTMENT YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:

OPERATING COSTS YEAR BY YEAR:

1: $3 000	2: $3 000	3: etc	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

REVENUES YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

SHORT DESCRIPTION OF POSSIBLE ECONOMIES OF SCALE CONCERNING INVESTMENT AND OPERATION COSTS

UNIT (OR ITEM) COSTS AND UNIT (OR ITEM) REVENUES:

DERIVED EFFECTS OF IMPLEMENTING THE PROJECT

MAIN EFFECTS ON THE ENVIRONMENT: Improves recreational opportunities

EMPLOYMENT:

YEAR	CONSTRUCTION				OPERATION			
	PROFESSIO-NALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL	PROFESSIO-NALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL
1								1
2								1
3								1
4								1
5								1
6								1
7								
8								
9								
10								

INPUT OTHER THAN LABOUR: CONSTRUCTION (C), OPERATION (O)

YEARLY PRODUCTION:

NET REQUIREMENTS OF FOREIGN EXCHANGE YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

LINKS

LINKS TO OTHER PROJECTS AND DEVELOPMENT PACKAGES

NO: NAME:
NO: NAME:
NO: NAME:
NO: NAME:
NO: NAME:
NO: NAME:
NO: NAME:

FINANCING

POSSIBILITIES OF FINANCING:

1: FEDERAL GOVERNMENT		2: STATE GOVERNMENT	✓
3: LOCAL GOVERNMENT		4: STATUTORY BODIES	
5: PUBLIC FUNDS		6: PRIVATE DOMESTIC SAVINGS	
7: PRIVATE FOREIGN LOANS		8: PUBLIC FOREIGN LOANS	

REFERENCES

REFERENCES:

1:
2:
3:
4:
5:

IDENTIFICATION

PROJECT NUMBER: 59 SECTOR: PUBLIC SERVICES

DEPARTMENT

PLANNING:	SLDB	all SLDB except Sepupok	ADU, PRIVATE, DA, Sepupok
IMPLEMENTATION:	SLDB		
BUGET:	SLDB		

NAME OF PROJECT: Destumping of village area

CONTENTS

DESCRIPTION: Destumping of the village area for new villages

COSTS AND REVENUES (1973 PRICES)

TOTAL INVESTMENT COSTS: INVESTMENT PERIOD:

INVESTMENT YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:

OPERATING COSTS YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

REVENUES YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

SHORT DESCRIPTION OF POSSIBLE ECONOMIES OF SCALE CONCERNING INVESTMENT AND OPERATION COSTS

UNIT (OR ITEM) COSTS AND UNIT (OR ITEM) REVENUES:

$250 per acre

DERIVED EFFECTS OF IMPLEMENTING THE PROJECT

MAIN EFFECTS ON THE ENVIRONMENT:

EMPLOYMENT:

YEAR	CONSTRUCTION				OPERATION			
	PROFESSIONALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL	PROFESSIONALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL
1								
2								
3								
4								
5								
6								
7								
8								
9								
10								

INPUT OTHER THAN LABOUR: CONSTRUCTION (C), OPERATION (O)

YEARLY PRODUCTION:

NET REQUIREMENTS OF FOREIGN EXCHANGE YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

LINKS

LINKS TO OTHER PROJECTS AND DEVELOPMENT PACKAGES

NO: NAME:
NO: NAME:
NO: NAME:
NO: NAME:
NO: NAME:
NO: NAME:
NO: NAME:

FINANCING

POSSIBILITIES OF FINANCING:

1: FEDERAL GOVERNMENT		2: STATE GOVERNMENT	
3: LOCAL GOVERNMENT		4: STATUTORY BODIES	✓
5: PUBLIC FUNDS		6: PRIVATE DOMESTIC SAVINGS	
7: PRIVATE FOREIGN LOANS		8: PUBLIC FOREIGN LOANS	

REFERENCES

REFERENCES:

1:
2:
3:
4:
5:

IDENTIFICATION

PROJECT NUMBER: 60 SECTOR: PUBLIC SERVICES

DEPARTMENT
PLANNING: SPU
IMPLEMENTATION: PWD
BUGET: SPU

NAME OF PROJECT: Religious building

CONTENTS

DESCRIPTION:

COSTS AND REVENUES (1973 PRICES)

TOTAL INVESTMENT COSTS: $50 000 INVESTMENT PERIOD: 1 year

INVESTMENT YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:

OPERATING COSTS YEAR BY YEAR:

1: $5 000	2: $5 000	3: etc	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

REVENUES YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

SHORT DESCRIPTION OF POSSIBLE ECONOMIES OF SCALE CONCERNING INVESTMENT AND OPERATION COSTS

UNIT (OR ITEM) COSTS AND UNIT (OR ITEM) REVENUES:

DERIVED EFFECTS OF IMPLEMENTING THE PROJECT

MAIN EFFECTS ON THE ENVIRONMENT:

EMPLOYMENT:

YEAR	CONSTRUCTION				OPERATION			
	PROFESSIO-NALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL	PROFESSIO-NALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL
1								
2								2
3								2
4								2
5								2
6								2
7								2
8								
9								
10								

INPUT OTHER THAN LABOUR: CONSTRUCTION (C), OPERATION (O)

YEARLY PRODUCTION:

NET REQUIREMENTS OF FOREIGN EXCHANGE YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

LINKS

LINKS TO OTHER PROJECTS AND DEVELOPMENT PACKAGES

NO: NAME:
NO: NAME:
NO: NAME:
NO: NAME:
NO: NAME:
NO: NAME:
NO: NAME:

FINANCING

POSSIBILITIES OF FINANCING:

1:	FEDERAL GOVERNMENT	✓	2:	STATE GOVERNMENT	
3:	LOCAL GOVERNMENT		4:	STATUTORY BODIES	
5:	PUBLIC FUNDS		6:	PRIVATE DOMESTIC SAVINGS	
7:	PRIVATE FOREIGN LOANS		8:	PUBLIC FOREIGN LOANS	

REFERENCES

REFERENCES:

1:
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3:
4:
5:

IDENTIFICATION

PROJECT NUMBER: 61 SECTOR: PUBLIC SERVICES

DEPARTMENT
PLANNING: MD
IMPLEMENTATION: PWD
BUGET: MD

NAME OF PROJECT: Community health centre

CONTENTS

DESCRIPTION: 2 to 5 acres of land
Boat shed cum store
Vehicle, boats and engine
Clinic building
Equipment
1 room barrack

COSTS AND REVENUES (1973 PRICES)

TOTAL INVESTMENT COSTS: $137 000 excluding cost of land INVESTMENT PERIOD: 1 year

INVESTMENT YEAR BY YEAR:

1: $137 000	2:	3:	4:	5:
6:	7:	8:	9:	10:

OPERATING COSTS YEAR BY YEAR:

1: $30 000	2: $30 000	3: $30 000	4: $30 000	5: $30 000
6: etc	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

REVENUES YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

SHORT DESCRIPTION OF POSSIBLE ECONOMIES OF SCALE CONCERNING INVESTMENT AND OPERATION COSTS

UNIT (OR ITEM) COSTS AND UNIT (OR ITEM) REVENUES:

	$
Boat shed cum store	10 000
Vehicle, boats and engine	12 000
1 clinic building	80 000
Equipment	10 000
1 room	25 000

DERIVED EFFECTS OF IMPLEMENTING THE PROJECT

MAIN EFFECTS ON THE ENVIRONMENT: Serves a population threshold of 1 500 to 2 000

EMPLOYMENT:

YEAR	CONSTRUCTION				OPERATION			
	PROFESSIONALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL	PROFESSIONALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL
1								
2								
3								
4								
5								
6						5	5	10
7								
8								
9								
10								

INPUT OTHER THAN LABOUR: CONSTRUCTION (C), OPERATION (O)

YEARLY PRODUCTION:

NET REQUIREMENTS OF FOREIGN EXCHANGE YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

LINKS

LINKS TO OTHER PROJECTS AND DEVELOPMENT PACKAGES

NO:	NAME: Related Town Development Schemes
NO:	NAME:
NO:	NAME:
NO:	NAME:
NO:	NAME:
NO:	NAME:
NO:	NAME:

FINANCING

POSSIBILITIES OF FINANCING:

1: FEDERAL GOVERNMENT	✓	2: STATE GOVERNMENT	
3: LOCAL GOVERNMENT		4: STATUTORY BODIES	
5: PUBLIC FUNDS		6: PRIVATE DOMESTIC SAVINGS	
7: PRIVATE FOREIGN LOANS		8: PUBLIC FOREIGN LOANS	

REFERENCES

REFERENCES:

1: Supporting Report 6, Part I
2:
3:
4:
5:

IDENTIFICATION

PROJECT NUMBER: 62 SECTOR: PUBLIC SERVICES

DEPARTMENT
PLANNING: RMP
IMPLEMENTATION: PWD
BUGET: RMP

NAME OF PROJECT: Police post

CONTENTS

DESCRIPTION:
1 Administration building
1 Toilet
Communication equipment
1 Motor cycle
1 Flag pole
Furniture
Fencing
Arms
14 Door barrack
Land requirements - 1 acre

COSTS AND REVENUES (1973 PRICES)

TOTAL INVESTMENT COSTS: $125 500 INVESTMENT PERIOD: 1 year

INVESTMENT YEAR BY YEAR:

1: $125 500	2:	3:	4:	5:
6:	7:	8:	9:	10:

OPERATING COSTS YEAR BY YEAR:

1: $21 500	2: $21 500	3: $21 500	4: $21 500	5: $21 500
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

REVENUES YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

SHORT DESCRIPTION OF POSSIBLE ECONOMIES OF SCALE CONCERNING INVESTMENT AND OPERATION COSTS

UNIT (OR ITEM) COSTS AND UNIT (OR ITEM) REVENUES:

	$
Building	70 700
Quarters	25 800
Equipments	23 000
Contingencies	6 000

DERIVED EFFECTS OF IMPLEMENTING THE PROJECT

MAIN EFFECTS ON THE ENVIRONMENT: Serves a population threshold of 5 000

EMPLOYMENT:

YEAR	CONSTRUCTION				OPERATION			
	PROFESSIONALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL	PROFESSIONALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL
1								
2								
3								
4								
5								
6								
7							5	5
8								
9								
10								

INPUT OTHER THAN LABOUR: CONSTRUCTION (C), OPERATION (O)

YEARLY PRODUCTION:

NET REQUIREMENTS OF FOREIGN EXCHANGE YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

LINKS

LINKS TO OTHER PROJECTS AND DEVELOPMENT PACKAGES

NO: NAME:
NO: NAME:
NO: NAME:
NO: NAME:
NO: NAME:
NO: NAME:
NO: NAME:

FINANCING

POSSIBILITIES OF FINANCING:

1: FEDERAL GOVERNMENT	✓	2: STATE GOVERNMENT	
3: LOCAL GOVERNMENT		4: STATUTORY BODIES	
5: PUBLIC FUNDS		6: PRIVATE DOMESTIC SAVINGS	
7: PRIVATE FOREIGN LOANS		8: PUBLIC FOREIGN LOANS	

REFERENCES

REFERENCES:

1: Supporting Report 6, Part I
2:
3:
4:
5:

IDENTIFICATION

PROJECT NUMBER: 63 SECTOR: PUBLIC SERVICES

DEPARTMENT
PLANNING: PSD
IMPLEMENTATION: PWD
BUGET: PSD

NAME OF PROJECT: Class C post office

CONTENTS

DESCRIPTION: Building
Parking
Land requirements - 0.3 acres
Road access
Equipment and transport
2 Class IV Quarters

COSTS AND REVENUES (1973 PRICES)

TOTAL INVESTMENT COSTS: $82 000 INVESTMENT PERIOD: 1 year

INVESTMENT YEAR BY YEAR:

1: $82 000	2:	3:	4:	5:
6:	7:	8:	9:	10:

OPERATING COSTS YEAR BY YEAR:

1: $15 000	2: $15 000	3: $15 000	4: $15 000	5: $15 000
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

REVENUES YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

SHORT DESCRIPTION OF POSSIBLE ECONOMIES OF SCALE CONCERNING INVESTMENT AND OPERATION COSTS

UNIT (OR ITEM) COSTS AND UNIT (OR ITEM) REVENUES:

	$
Building	18 000
Parking	800
Contingencies	2 200
Road access	1 200
Equipment and transport	19 800
Quarters	40 000

MAIN EFFECTS ON THE ENVIRONMENT: Serves a population threshold of 5 000

EMPLOYMENT:

DERIVED EFFECTS OF IMPLEMENTING THE PROJECT

YEAR	CONSTRUCTION				OPERATION			
	PROFESSIONALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL	PROFESSIONALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL
1								
2								
3								
4								
5								
6						2	2	4
7								
8								
9								
10								

INPUT OTHER THAN LABOUR: CONSTRUCTION (C), OPERATION (O)

YEARLY PRODUCTION:

NET REQUIREMENTS OF FOREIGN EXCHANGE YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

LINKS

LINKS TO OTHER PROJECTS AND DEVELOPMENT PACKAGES

NO: NAME:
NO: NAME:
NO: NAME:
NO: NAME:
NO: NAME:
NO: NAME:
NO: NAME:

FINANCING

POSSIBILITIES OF FINANCING:

1: FEDERAL GOVERNMENT	✓	2: STATE GOVERNMENT	
3: LOCAL GOVERNMENT		4: STATUTORY BODIES	
5: PUBLIC FUNDS		6: PRIVATE DOMESTIC SAVINGS	
7: PRIVATE FOREIGN LOANS		8: PUBLIC FOREIGN LOANS	

REFERENCES

REFERENCES:

1: Supporting Report 6, Part I
2:
3:
4:
5:

IDENTIFICATION

PROJECT NUMBER: 64 SECTOR: PUBLIC SERVICES

DEPARTMENT — PLANNING: / IMPLEMENTATION: / BUGET: } PSD

NAME OF PROJECT: Postal agent

CONTENTS

DESCRIPTION: The postal agent is established in a shophouse

COSTS AND REVENUES (1973 PRICES)

TOTAL INVESTMENT COSTS: INVESTMENT PERIOD:

INVESTMENT YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:

OPERATING COSTS YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

REVENUES YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

SHORT DESCRIPTION OF POSSIBLE ECONOMIES OF SCALE CONCERNING INVESTMENT AND OPERATION COSTS

UNIT (OR ITEM) COSTS AND UNIT (OR ITEM) REVENUES:

DERIVED EFFECTS OF IMPLEMENTING THE PROJECT

MAIN EFFECTS ON THE ENVIRONMENT: Improves the postal services

EMPLOYMENT:

YEAR	CONSTRUCTION				OPERATION			
	PROFESSIO-NALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL	PROFESSIO-NALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL
1								
2								
3								
4								
5								
6								
7								
8								
9								
10								

INPUT OTHER THAN LABOUR: CONSTRUCTION (C), OPERATION (O)

YEARLY PRODUCTION:

NET REQUIREMENTS OF FOREIGN EXCHANGE YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

LINKS

LINKS TO OTHER PROJECTS AND DEVELOPMENT PACKAGES

NO: NAME:
NO: NAME:
NO: NAME:
NO: NAME:
NO: NAME:
NO: NAME:
NO: NAME:

FINANCING

POSSIBILITIES OF FINANCING:

1: FEDERAL GOVERNMENT	✓	2: STATE GOVERNMENT	
3: LOCAL GOVERNMENT		4: STATUTORY BODIES	
5: PUBLIC FUNDS		6: PRIVATE DOMESTIC SAVINGS	
7: PRIVATE FOREIGN LOANS		8: PUBLIC FOREIGN LOANS	

REFERENCES

REFERENCES:

1:
2:
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4:
5:

IDENTIFICATION

PROJECT NUMBER: 65 SECTOR: PUBLIC SERVICES

DEPARTMENT — PLANNING: PSD; IMPLEMENTATION: PWD; BUGET: PSD

NAME OF PROJECT: Post office - Class A

CONTENTS

DESCRIPTION: Building
Electricity and water
Parking
Contingencies
Air conditioning
Road access
Equipment and transport

COSTS AND REVENUES (1973 PRICES)

TOTAL INVESTMENT COSTS: $450 000 INVESTMENT PERIOD: 1 year

INVESTMENT YEAR BY YEAR:

1: $450 000	2:	3:	4:	5:
6:	7:	8:	9:	10:

OPERATING COSTS YEAR BY YEAR:

1: $92 000	2: $92 000	3: $92 000	4: $92 000	5: $92 000
6: etc	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

REVENUES YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

SHORT DESCRIPTION OF POSSIBLE ECONOMIES OF SCALE CONCERNING INVESTMENT AND OPERATION COSTS

UNIT (OR ITEM) COSTS AND UNIT (OR ITEM) REVENUES:

	$
Building	160 000
Electricity and water	3 000
Parking	1 000
Contingencies	10 000
Air conditioning	1 100
Road access	2 100
Equipment and transport	45 800
Quarters	220 000

DERIVED EFFECTS OF IMPLEMENTING THE PROJECT

MAIN EFFECTS ON THE ENVIRONMENT: Serves a population threshold of more than 20 000 people

EMPLOYMENT:

YEAR	CONSTRUCTION				OPERATION			
	PROFESSIONALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL	PROFESSIONALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL
1								
2								
3								
4								
5								
6					2	8	6	16
7								
8								
9								
10								

INPUT OTHER THAN LABOUR: CONSTRUCTION (C), OPERATION (O)

YEARLY PRODUCTION:

NET REQUIREMENTS OF FOREIGN EXCHANGE YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

LINKS

LINKS TO OTHER PROJECTS AND DEVELOPMENT PACKAGES

NO: 1 NAME: Miri Town Development
NO: NAME:
NO: NAME:
NO: NAME:
NO: NAME:
NO: NAME:
NO: NAME:

FINANCING

POSSIBILITIES OF FINANCING:

1: FEDERAL GOVERNMENT		2: STATE GOVERNMENT	✓
3: LOCAL GOVERNMENT		4: STATUTORY BODIES	
5: PUBLIC FUNDS		6: PRIVATE DOMESTIC SAVINGS	
7: PRIVATE FOREIGN LOANS		8: PUBLIC FOREIGN LOANS	

REFERENCES

REFERENCES:

1: Supporting Report 6, Part I
2:
3:
4:
5:

IDENTIFICATION

PROJECT NUMBER: 66 SECTOR: PUBLIC SERVICES

DEPARTMENT: PLANNING: / IMPLEMENTATION: / BUGET: L & SD

NAME OF PROJECT: Town Plan - Miri and Bintulu

CONTENTS

DESCRIPTION: Detailed town plans for Miri and Bintulu should be worked out based on the ideas contained in the outline plans.

This could either be carried out by the Land and Survey Department or by a team of Consultants. No costs have been indicated for this task.

COSTS AND REVENUES (1973 PRICES)

TOTAL INVESTMENT COSTS: INVESTMENT PERIOD:

INVESTMENT YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:

OPERATING COSTS YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

REVENUES YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

SHORT DESCRIPTION OF POSSIBLE ECONOMIES OF SCALE CONCERNING INVESTMENT AND OPERATION COSTS

UNIT (OR ITEM) COSTS AND UNIT (OR ITEM) REVENUES:

DERIVED EFFECTS OF IMPLEMENTING THE PROJECT

MAIN EFFECTS ON THE ENVIRONMENT:

EMPLOYMENT:

YEAR	CONSTRUCTION				OPERATION			
	PROFESSIO-NALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL	PROFESSIO-NALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL
1								
2								
3								
4								
5								
6								
7								
8								
9								
10								

INPUT OTHER THAN LABOUR: CONSTRUCTION (C), OPERATION (O)

YEARLY PRODUCTION:

NET REQUIREMENTS OF FOREIGN EXCHANGE YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

LINKS

LINKS TO OTHER PROJECTS AND DEVELOPMENT PACKAGES

NO: 1 NAME: Miri Town Development
NO: 2 NAME: Bintulu Town Development
NO: NAME:
NO: NAME:
NO: NAME:
NO: NAME:
NO: NAME:

FINANCING

POSSIBILITIES OF FINANCING:

1: FEDERAL GOVERNMENT [ ]
3: LOCAL GOVERNMENT [✓]
5: PUBLIC FUNDS [ ]
7: PRIVATE FOREIGN LOANS [ ]
2: STATE GOVERNMENT [ ]
4: STATUTORY BODIES [ ]
6: PRIVATE DOMESTIC SAVINGS [ ]
8: PUBLIC FOREIGN LOANS [ ]

REFERENCES

REFERENCES:

1:
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IDENTIFICATION

PROJECT NUMBER: 67 SECTOR: PUBLIC SERVICES

DEPARTMENT: PLANNING: / IMPLEMENTATION: / BUGET: } L & SD

NAME OF PROJECT: Air-photo (Mapping)

CONTENTS

DESCRIPTION: After clearing of the town/village sites, aerial photographs will be taken to be used for the detailed town planning. No costs for this task have been indicated.

COSTS AND REVENUES (1973 PRICES)

TOTAL INVESTMENT COSTS: INVESTMENT PERIOD:

INVESTMENT YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:

OPERATING COSTS YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

REVENUES YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

SHORT DESCRIPTION OF POSSIBLE ECONOMIES OF SCALE CONCERNING INVESTMENT AND OPERATION COSTS

UNIT (OR ITEM) COSTS AND UNIT (OR ITEM) REVENUES:

DERIVED EFFECTS OF IMPLEMENTING THE PROJECT

MAIN EFFECTS ON THE ENVIRONMENT:

EMPLOYMENT:

YEAR	CONSTRUCTION				OPERATION			
	PROFESSIONALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL	PROFESSIONALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL
1								
2								
3								
4								
5								
6								
7								
8								
9								
10								

INPUT OTHER THAN LABOUR: CONSTRUCTION (C), OPERATION (O)

YEARLY PRODUCTION:

NET REQUIREMENTS OF FOREIGN EXCHANGE YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

LINKS

LINKS TO OTHER PROJECTS AND DEVELOPMENT PACKAGES

NO: NAME: Development of all new towns and villages
NO: NAME:
NO: NAME:
NO: NAME:
NO: NAME:
NO: NAME:
NO: NAME:

FINANCING

POSSIBILITIES OF FINANCING:

1: FEDERAL GOVERNMENT		2: STATE GOVERNMENT	
3: LOCAL GOVERNMENT	✓	4: STATUTORY BODIES	
5: PUBLIC FUNDS		6: PRIVATE DOMESTIC SAVINGS	
7: PRIVATE FOREIGN LOANS		8: PUBLIC FOREIGN LOANS	

REFERENCES

REFERENCES:

1:
2:
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IDENTIFICATION

PROJECT NUMBER: 68 SECTOR: PUBLIC SERVICES

DEPARTMENT: PLANNING: / IMPLEMENTATION: / BUGET: } L&SD

NAME OF PROJECT: Detailed planning of village area

CONTENTS

DESCRIPTION: Detailed planning of each town based on the structure plans worked out by this Study. It is assumed that this will be done within the existing capacity of the Land and Survey Department. No costs have been indicated.

COSTS AND REVENUES (1973 PRICES)

TOTAL INVESTMENT COSTS: INVESTMENT PERIOD:

INVESTMENT YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:

OPERATING COSTS YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

REVENUES YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

SHORT DESCRIPTION OF POSSIBLE ECONOMIES OF SCALE CONCERNING INVESTMENT AND OPERATION COSTS

UNIT (OR ITEM) COSTS AND UNIT (OR ITEM) REVENUES:

DERIVED EFFECTS OF IMPLEMENTING THE PROJECT

MAIN EFFECTS ON THE ENVIRONMENT:

EMPLOYMENT:

YEAR	CONSTRUCTION				OPERATION			
	PROFESSIO-NALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL	PROFESSIO-NALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL
1								
2								
3								
4								
5								
6								
7								
8								
9								
10								

INPUT OTHER THAN LABOUR: CONSTRUCTION (C), OPERATION (O)

YEARLY PRODUCTION:

NET REQUIREMENTS OF FOREIGN EXCHANGE YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

LINKS

LINKS TO OTHER PROJECTS AND DEVELOPMENT PACKAGES

NOS: 3 to 11	NAME: Town Development Packages for all towns and villages except Miri and Bintulu
NO:	NAME:
NO:	NAME:
NO:	NAME:
NO:	NAME:
NO:	NAME:
NO:	NAME:

FINANCING

POSSIBILITIES OF FINANCING:

1: FEDERAL GOVERNMENT		2: STATE GOVERNMENT	
3: LOCAL GOVERNMENT	✓	4: STATUTORY BODIES	
5: PUBLIC FUNDS		6: PRIVATE DOMESTIC SAVINGS	
7: PRIVATE FOREIGN LOANS		8: PUBLIC FOREIGN LOANS	

REFERENCES

REFERENCES:

1:
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IDENTIFICATION

PROJECT NUMBER: 69 SECTOR: PUBLIC SERVICES

DEPARTMENT: PLANNING: / IMPLEMENTATION: / BUGET: } PWD

NAME OF PROJECT: Clearing of town site - Timong village

CONTENTS

DESCRIPTION: Clearing of 100 acres for the Timong village

COSTS AND REVENUES (1973 PRICES)

TOTAL INVESTMENT COSTS: $17 000 INVESTMENT PERIOD: 1975

INVESTMENT YEAR BY YEAR:

1: $17 000	2:	3:	4:	5:
6:	7:	8:	9:	10:

OPERATING COSTS YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

REVENUES YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

SHORT DESCRIPTION OF POSSIBLE ECONOMIES OF SCALE CONCERNING INVESTMENT AND OPERATION COSTS

UNIT (OR ITEM) COSTS AND UNIT (OR ITEM) REVENUES:

$170 per acre

DERIVED EFFECTS OF IMPLEMENTING THE PROJECT

MAIN EFFECTS ON THE ENVIRONMENT:

EMPLOYMENT:

YEAR	CONSTRUCTION				OPERATION			
	PROFESSIO-NALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL	PROFESSIO-NALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL
1								
2								
3								
4								
5								
6								
7								
8								
9								
10								

INPUT OTHER THAN LABOUR: CONSTRUCTION (C), OPERATION (O)

YEARLY PRODUCTION:

NET REQUIREMENTS OF FOREIGN EXCHANGE YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

LINKS

LINKS TO OTHER PROJECTS AND DEVELOPMENT PACKAGES

NO: 24	NAME: Timong Village Development
NO: 24	NAME: Labang Timber Complex
NO:	NAME:
NO:	NAME:
NO:	NAME:
NO:	NAME:
NO:	NAME:

FINANCING

POSSIBILITIES OF FINANCING:

1: FEDERAL GOVERNMENT		2: STATE GOVERNMENT	
3: LOCAL GOVERNMENT	✓	4: STATUTORY BODIES	
5: PUBLIC FUNDS		6: PRIVATE DOMESTIC SAVINGS	
7: PRIVATE FOREIGN LOANS		8: PUBLIC FOREIGN LOANS	

REFERENCES

REFERENCES:

1:
2:
3:
4:
5:

IDENTIFICATION

PROJECT NUMBER: 70 A SECTOR: PUBLIC SERVICES

DEPARTMENT
PLANNING: L & SD
IMPLEMENTATION: PWD
BUGET: PWD

NAME OF PROJECT: Government office complex - Miri

CONTENTS

DESCRIPTION: Construction of a new Government office block in Miri
Provisional estimate of costs, employment and investment period

COSTS AND REVENUES (1973 PRICES)

TOTAL INVESTMENT COSTS: $2 000 000 INVESTMENT PERIOD: 1975 to 1976

INVESTMENT YEAR BY YEAR:

1: $1 000 000 2: $1 000 000 3: 4: 5:
6: 7: 8: 9: 10:

OPERATING COSTS YEAR BY YEAR: 1977

1: $400 000 2: etc 3: 4: 5:
6: 7: 8: 9: 10:
11: 12: 13: 14: 15:
16: 17: 18: 19: 20:

REVENUES YEAR BY YEAR:

1: 2: 3: 4: 5:
6: 7: 8: 9: 10:
11: 12: 13: 14: 15:
16: 17: 18: 19: 20:

SHORT DESCRIPTION OF POSSIBLE ECONOMIES OF SCALE CONCERNING INVESTMENT AND OPERATION COSTS

UNIT (OR ITEM) COSTS AND UNIT (OR ITEM) REVENUES:

DERIVED EFFECTS OF IMPLEMENTING THE PROJECT

MAIN EFFECTS ON THE ENVIRONMENT: Improves the public services in the area

EMPLOYMENT:

YEAR	CONSTRUCTION				OPERATION			
	PROFESSIO-NALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL	PROFESSIO-NALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL
1								
2								
3								180
4								180
5								180
6								180
7								
8								
9								
10								

INPUT OTHER THAN LABOUR: CONSTRUCTION (C), OPERATION (O)

YEARLY PRODUCTION:

NET REQUIREMENTS OF FOREIGN EXCHANGE YEAR BY YEAR:

1: 2: 3: 4: 5:
6: 7: 8: 9: 10:
11: 12: 13: 14: 15:
16: 17: 18: 19: 20:

LINKS

LINKS TO OTHER PROJECTS AND DEVELOPMENT PACKAGES

NO: 1 NAME: Miri Town Development
NO: NAME:
NO: NAME:
NO: NAME:
NO: NAME:
NO: NAME:
NO: NAME:

FINANCING

POSSIBILITIES OF FINANCING:

1: FEDERAL GOVERNMENT ☐ 2: STATE GOVERNMENT ☑
3: LOCAL GOVERNMENT ☐ 4: STATUTORY BODIES ☐
5: PUBLIC FUNDS ☐ 6: PRIVATE DOMESTIC SAVINGS ☐
7: PRIVATE FOREIGN LOANS ☐ 8: PUBLIC FOREIGN LOANS ☐

REFERENCES

REFERENCES:

1: Supporting Report 5
2:
3:
4:
5:

IDENTIFICATION

PROJECT NUMBER: 70 8 SECTOR: PUBLIC SERVICES

DEPARTMENT — PLANNING: L/G SD; IMPLEMENTATION: PWD; BUGET: PWD

NAME OF PROJECT: Government office complex - Bintulu

CONTENTS

DESCRIPTION: Construction of a new Government office complex in Bintulu
Provisional estimate of costs, employment and investment period

COSTS AND REVENUES (1973 PRICES)

TOTAL INVESTMENT COSTS: $800 000 INVESTMENT PERIOD: 1975 to 1976

INVESTMENT YEAR BY YEAR:

1: $400 000	2: $400 000	3:	4:	5:
6:	7:	8:	9:	10:

OPERATING COSTS YEAR BY YEAR: 1977

1: $200 000	2: $200 000	3: $200 000	4: etc	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

REVENUES YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

SHORT DESCRIPTION OF POSSIBLE ECONOMIES OF SCALE CONCERNING INVESTMENT AND OPERATION COSTS

UNIT (OR ITEM) COSTS AND UNIT (OR ITEM) REVENUES:

DERIVED EFFECTS OF IMPLEMENTING THE PROJECT

MAIN EFFECTS ON THE ENVIRONMENT: Improves the public services in the area

EMPLOYMENT:

YEAR	CONSTRUCTION				OPERATION			
	PROFESSIO-NALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL	PROFESSIO-NALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL
1								
2								
3								40
4								40
5								40
6								40
7								
8								
9								
10								

INPUT OTHER THAN LABOUR: CONSTRUCTION (C), OPERATION (O)

YEARLY PRODUCTION:

NET REQUIREMENTS OF FOREIGN EXCHANGE YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

LINKS

LINKS TO OTHER PROJECTS AND DEVELOPMENT PACKAGES

NO: 2 NAME: Bintulu Town Development
NO: NAME:
NO: NAME:
NO: NAME:
NO: NAME:
NO: NAME:
NO: NAME:

FINANCING

POSSIBILITIES OF FINANCING:

1: FEDERAL GOVERNMENT		2: STATE GOVERNMENT	✓
3: LOCAL GOVERNMENT		4: STATUTORY BODIES	
5: PUBLIC FUNDS		6: PRIVATE DOMESTIC SAVINGS	
7: PRIVATE FOREIGN LOANS		8: PUBLIC FOREIGN LOANS	

REFERENCES

REFERENCES:

1: Supporting Report 5
2:
3:
4:
5:

IDENTIFICATION

PROJECT NUMBER: 71 SECTOR: PUBLIC SERVICES

DEPARTMENT — PLANNING: R & DO; IMPLEMENTATION: PWD; BUGET: PWD

NAME OF PROJECT: Sub district office

CONTENTS

DESCRIPTION:

Sub district office	Agriculture
Forestry	Treasury
Toilet, lobbies, etc.	Electricity and water
Flag pole, Furniture	Equipment and vehicles
Contingencies	2 Class III quarters
	12 Class IV quarters

COSTS AND REVENUES (1973 PRICES)

TOTAL INVESTMENT COSTS: $424 000 excluding cost of land

INVESTMENT PERIOD: 1 year

INVESTMENT YEAR BY YEAR:

1: $424 000	2:	3:	4:	5:
6: etc	7:	8:	9:	10:

OPERATING COSTS YEAR BY YEAR:

1: $109 000	2: $109 000	3: $109 000	4: $109 000	5: $109 000
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

REVENUES YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

SHORT DESCRIPTION OF POSSIBLE ECONOMIES OF SCALE CONCERNING INVESTMENT AND OPERATION COSTS

UNIT (OR ITEM) COSTS AND UNIT (OR ITEM) REVENUES:

	$		$
Sub district office	22 000	Agriculture	10 000
Forestry	8 500	Treasury	5 000
Toilet, lobbies, etc.	5 000	Water supply	2 000
Electricity	10 000	Flag pole	500
Furniture	2 000	Equipment and vehicles	15 000
Contingencies	10 000	Quarters	334 000

DERIVED EFFECTS OF IMPLEMENTING THE PROJECT

MAIN EFFECTS ON THE ENVIRONMENT: Serves a population threshold of between 15 000 and 20 000 people

EMPLOYMENT:

YEAR	CONSTRUCTION				OPERATION			
	PROFESSIONALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL	PROFESSIONALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL
1								
2								
3								
4								
5								
6					2	15	2	19
7								
8								
9								
10								

INPUT OTHER THAN LABOUR: CONSTRUCTION (C), OPERATION (O)

YEARLY PRODUCTION:

NET REQUIREMENTS OF FOREIGN EXCHANGE YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

LINKS

LINKS TO OTHER PROJECTS AND DEVELOPMENT PACKAGES

NO:	NAME:
NO:	NAME:
NO:	NAME:
NO:	NAME:
NO:	NAME:
NO:	NAME:
NO:	NAME:

FINANCING

POSSIBILITIES OF FINANCING:

1: FEDERAL GOVERNMENT		2: STATE GOVERNMENT	✓
3: LOCAL GOVERNMENT		4: STATUTORY BODIES	
5: PUBLIC FUNDS		6: PRIVATE DOMESTIC SAVINGS	
7: PRIVATE FOREIGN LOANS		8: PUBLIC FOREIGN LOANS	

REFERENCES

REFERENCES:

1: Supporting Report 6, Part I
2:
3:
4:
5:

IDENTIFICATION

PROJECT NUMBER: 72 SECTOR: PUBLIC SERVICES

DEPARTMENT — PLANNING: L&S SD; IMPLEMENTATION: PWD; BUGET: DC

NAME OF PROJECT: Kindergarten

CONTENTS

DESCRIPTION: 2 Classes
0.5 acres

COSTS AND REVENUES (1973 PRICES)

TOTAL INVESTMENT COSTS: $50 000 INVESTMENT PERIOD:

INVESTMENT YEAR BY YEAR:

1: $50 000	2:	3:	4:	5:
6:	7:	8:	9:	10:

OPERATING COSTS YEAR BY YEAR:

1: $15 000	2: etc	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

REVENUES YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

SHORT DESCRIPTION OF POSSIBLE ECONOMIES OF SCALE CONCERNING INVESTMENT AND OPERATION COSTS

UNIT (OR ITEM) COSTS AND UNIT (OR ITEM) REVENUES:

DERIVED EFFECTS OF IMPLEMENTING THE PROJECT

MAIN EFFECTS ON THE ENVIRONMENT: Improves the play and educational opportunities

EMPLOYMENT:

YEAR	CONSTRUCTION				OPERATION			
	PROFESSIO-NALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL	PROFESSIO-NALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL
1								
2								
3								
4								
5								
6								4
7								
8								
9								
10								

INPUT OTHER THAN LABOUR: CONSTRUCTION (C), OPERATION (O)

YEARLY PRODUCTION:

NET REQUIREMENTS OF FOREIGN EXCHANGE YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

LINKS

LINKS TO OTHER PROJECTS AND DEVELOPMENT PACKAGES

NO: NAME:
NO: NAME:
NO: NAME:
NO: NAME:
NO: NAME:
NO: NAME:
NO: NAME:

FINANCING

POSSIBILITIES OF FINANCING:

1: FEDERAL GOVERNMENT		2: STATE GOVERNMENT	✓
3: LOCAL GOVERNMENT		4: STATUTORY BODIES	
5: PUBLIC FUNDS		6: PRIVATE DOMESTIC SAVINGS	
7: PRIVATE FOREIGN LOANS		8: PUBLIC FOREIGN LOANS	

REFERENCES

REFERENCES:

1:
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4:
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IDENTIFICATION

PROJECT NUMBER: 73 SECTOR: PUBLIC UTILITIES

DEPARTMENT — PLANNING: / IMPLEMENTATION: / BUGET: } PWD

NAME OF PROJECT: Water supply – Lambir-Subis South

CONTENTS

DESCRIPTION:

Source from Sungai Niah, maximum output 1.0 mgd with enlargement to 1.1 mgd in the 1980's. The project is only specified for the Action Programme period.

Headworks (1 mgd)
Pipelines
Distribution network
Service storage (370 000 gallons)

(mgd = million gallon per day)

COSTS AND REVENUES (1973 PRICES)

TOTAL INVESTMENT COSTS: $3 664 000 INVESTMENT PERIOD: 1975 to 1980

INVESTMENT YEAR BY YEAR: 1975

1: $2 223 000	2: $540 000	3: $140 000	4: $280 000	5: $280 000
6: $201 000	7:	8:	9:	10:

OPERATING COSTS YEAR BY YEAR: 1976

1: $177 000	2: $210 000	3: $257 000	4: $318 000	5: $332 000
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

REVENUES YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

SHORT DESCRIPTION OF POSSIBLE ECONOMIES OF SCALE CONCERNING INVESTMENT AND OPERATION COSTS

UNIT (OR ITEM) COSTS AND UNIT (OR ITEM) REVENUES:

	$
Headworks (1 mgd)	800 000
Service storage (370 000 gallons)	222 000
Pipes (varies)	1 396 000
Distribution system $140 per head	1 120 000
Miscellaneous	126 000

DERIVED EFFECTS OF IMPLEMENTING THE PROJECT

MAIN EFFECTS ON THE ENVIRONMENT: Serves the four SLDB villages in the southern part of Lambir-Subis Development area and a palm oil factory (Total population to be 8 900)

EMPLOYMENT:

YEAR	CONSTRUCTION				OPERATION			
	PROFESSIO-NALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL	PROFESSIO-NALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL
1								
2								
3								14
4								14
5								14
6								14
7								14
8								
9								
10								

INPUT OTHER THAN LABOUR: CONSTRUCTION (C), OPERATION (O)

YEARLY PRODUCTION: From 104 million gallons per year in 1976 to 237 million gallons per year in 1980

NET REQUIREMENTS OF FOREIGN EXCHANGE YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

LINKS

LINKS TO OTHER PROJECTS AND DEVELOPMENT PACKAGES

NO: 1	NAME: SLDB Village Development, and Palm Oil Factory in Lambir-Subis South Rural Development
NO:	NAME:
NO:	NAME:
NO:	NAME:
NO:	NAME:
NO:	NAME:
NO:	NAME:

FINANCING

POSSIBILITIES OF FINANCING:

1: FEDERAL GOVERNMENT		2: STATE GOVERNMENT	✓
3: LOCAL GOVERNMENT		4: STATUTORY BODIES	
5: PUBLIC FUNDS		6: PRIVATE DOMESTIC SAVINGS	
7: PRIVATE FOREIGN LOANS		8: PUBLIC FOREIGN LOANS	

REFERENCES

REFERENCES:

1: Supporting Report 5
2: Supporting Report 6, Part III
3:
4:
5:

IDENTIFICATION

PROJECT NUMBER: 74 SECTOR: PUBLIC UTILITIES

DEPARTMENT: PLANNING: / IMPLEMENTATION: / BUGET: } PWD

NAME OF PROJECT: Sewerage - Lambir Subis South

CONTENTS

DESCRIPTION: Calculated on the basis of a representative agricultural village. The project is only specified for the Action Programme period.

Latrines for the general population
Septic tanks for shops and schools

COSTS AND REVENUES (1973 PRICES)

TOTAL INVESTMENT COSTS: INVESTMENT PERIOD: 1975 to 1980

INVESTMENT YEAR BY YEAR: 1975

1: $64 000	2: $101 000	3: $214 000	4: $73 000	5: $56 000
6: $56 000	7:	8:	9:	10:

OPERATING COSTS YEAR BY YEAR: 1975

1:	2: $2 000	3: $6 000	4: $7 000	5: $9 000
6: $10 000	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

REVENUES YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

SHORT DESCRIPTION OF POSSIBLE ECONOMIES OF SCALE CONCERNING INVESTMENT AND OPERATION COSTS

UNIT (OR ITEM) COSTS AND UNIT (OR ITEM) REVENUES:

	$
Latrines	18 per head
Septic tanks	210 per head
Small community system	250 per head

DERIVED EFFECTS OF IMPLEMENTING THE PROJECT

MAIN EFFECTS ON THE ENVIRONMENT: Serves the four SLDB villages of Ladang Tiga, Sungai Tangit, Subis I and Subis II.

EMPLOYMENT:

YEAR	CONSTRUCTION				OPERATION			
	PROFESSIONALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL	PROFESSIONALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL
1								
2								
3								
4								
5								
6								
7								
8								
9								
10								

INPUT OTHER THAN LABOUR: CONSTRUCTION (C), OPERATION (O)

YEARLY PRODUCTION:

NET REQUIREMENTS OF FOREIGN EXCHANGE YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

LINKS

LINKS TO OTHER PROJECTS AND DEVELOPMENT PACKAGES

NO: 1	NAME: SLDB Villages Development Schemes, Lambir-Subis South Rural Development
NO:	NAME:
NO:	NAME:
NO:	NAME:
NO:	NAME:
NO:	NAME:
NO:	NAME:

FINANCING

POSSIBILITIES OF FINANCING:

1: FEDERAL GOVERNMENT		2: STATE GOVERNMENT	✓
3: LOCAL GOVERNMENT		4: STATUTORY BODIES	
5: PUBLIC FUNDS		6: PRIVATE DOMESTIC SAVINGS	
7: PRIVATE FOREIGN LOANS		8: PUBLIC FOREIGN LOANS	

REFERENCES

REFERENCES:

1: Supporting Report 5
2: Supporting Report 6, Part III
3:
4:
5:

IDENTIFICATION

PROJECT NUMBER: 75 SECTOR: PUBLIC UTILITIES

DEPARTMENT: PLANNING: / IMPLEMENTATION: / BUGET: } PWD

NAME OF PROJECT: Water supply - Lambir-Subis North and Bekenu

CONTENTS

DESCRIPTION:

Source from Sungai Kejapil, maximum output 0.3 mgd which can last until the 1990's

COSTS AND REVENUES (1973 PRICES)

TOTAL INVESTMENT COSTS: $1 708 000 INVESTMENT PERIOD: 6 years

INVESTMENT YEAR BY YEAR: 1975

1: $899 000	2: $399 000	3: $200 000	4: $70 000	5: $70 000
6: $70 000	7:	8:	9:	10:

OPERATING COSTS YEAR BY YEAR: 1975

1: $56 000	2: $63 000	3: $65 000	4: $70 000	5: $74 000
6: $78 000	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

REVENUES YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

SHORT DESCRIPTION OF POSSIBLE ECONOMIES OF SCALE CONCERNING INVESTMENT AND OPERATION COSTS

UNIT (OR ITEM) COSTS AND UNIT (OR ITEM) REVENUES:

	$
Headworks (3 mgd)	240 000
26 300 feet of 3 inch pipes at $5.17 per foot	136 000
86 000 feet of 6 inch pipes at $7.5 per foot	561 000
Distribution system at $137 per head	
Service storage (102 000 gallons)	81 000

DERIVED EFFECTS OF IMPLEMENTING THE PROJECT

MAIN EFFECTS ON THE ENVIRONMENT: Serves Bekenu, Kabuloh, Tun Openg Bazaar, Bukit Peninjau and Ladang Empat.

EMPLOYMENT:

YEAR	CONSTRUCTION				OPERATION			
	PROFESSIONALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL	PROFESSIONALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL
1								
2								
3								
4								4
5								5
6								5
7								6
8								
9								
10								

INPUT OTHER THAN LABOUR: CONSTRUCTION (C), OPERATION (O)

YEARLY PRODUCTION: From 28 million gallons per year in 1975 to 52 million gallons per year in 1980

NET REQUIREMENTS OF FOREIGN EXCHANGE YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

LINKS

LINKS TO OTHER PROJECTS AND DEVELOPMENT PACKAGES

NO: 7	NAME: Bekenu Town Development
NO: 16	NAME: Agricultural School Project
NO: 2	NAME: Lambir-Subis North Rural Development
NO:	NAME:
NO:	NAME:
NO:	NAME:
NO:	NAME:

FINANCING

POSSIBILITIES OF FINANCING:

1: FEDERAL GOVERNMENT		2: STATE GOVERNMENT	✓
3: LOCAL GOVERNMENT		4: STATUTORY BODIES	
5: PUBLIC FUNDS		6: PRIVATE DOMESTIC SAVINGS	
7: PRIVATE FOREIGN LOANS		8: PUBLIC FOREIGN LOANS	

REFERENCES

REFERENCES:

1: Supporting Report 5
2: Supporting Report 6, Part III
3:
4:
5:

IDENTIFICATION

PROJECT NUMBER: 76 SECTOR: PUBLIC UTILITIES

DEPARTMENT: PLANNING: / IMPLEMENTATION: / BUGET: } PWD

NAME OF PROJECT: Sewerage - Mera-a

CONTENTS

DESCRIPTION: All population to be served by latrines and septic tanks for the shops and primary school. The project is only specified for the Action Programme period.

COSTS AND REVENUES (1973 PRICES)

TOTAL INVESTMENT COSTS: $61 000 INVESTMENT PERIOD: 1975 to 1977

INVESTMENT YEAR BY YEAR: 1975

1: $20 000	2: $33 000	3: $8 000	4:	5:
6:	7:	8:	9:	10:

OPERATING COSTS YEAR BY YEAR: 1975

1:	2: $1 000	3: $1 000	4: $2 000	5: $1 000
6: $2 000	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

REVENUES YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

SHORT DESCRIPTION OF POSSIBLE ECONOMIES OF SCALE CONCERNING INVESTMENT AND OPERATION COSTS

UNIT (OR ITEM) COSTS AND UNIT (OR ITEM) REVENUES:

Latrines at $18 per head

Septic tanks at $210 per head

DERIVED EFFECTS OF IMPLEMENTING THE PROJECT

MAIN EFFECTS ON THE ENVIRONMENT: Serves Mera-a village (population 1 300 by 1980)

EMPLOYMENT:

YEAR	CONSTRUCTION				OPERATION			
	PROFESSIONALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL	PROFESSIONALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL
1								
2								
3								
4								
5								
6								
7								
8								
9								
10								

INPUT OTHER THAN LABOUR: CONSTRUCTION (C), OPERATION (O)

YEARLY PRODUCTION:

NET REQUIREMENTS OF FOREIGN EXCHANGE YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

LINKS

LINKS TO OTHER PROJECTS AND DEVELOPMENT PACKAGES

NO: 3	NAME: Mera-a Rural Development
NO:	NAME:
NO:	NAME:
NO:	NAME:
NO:	NAME:
NO:	NAME:
NO:	NAME:

FINANCING

POSSIBILITIES OF FINANCING:

1: FEDERAL GOVERNMENT		2: STATE GOVERNMENT	✓
3: LOCAL GOVERNMENT		4: STATUTORY BODIES	
5: PUBLIC FUNDS		6: PRIVATE DOMESTIC SAVINGS	
7: PRIVATE FOREIGN LOANS		8: PUBLIC FOREIGN LOANS	

REFERENCES

REFERENCES:

1: Supporting Report 5
2: Supporting Report 6, Part III
3:
4:
5:

IDENTIFICATION

PROJECT NUMBER: 77 SECTOR: PUBLIC UTILITIES

DEPARTMENT: PLANNING: / IMPLEMENTATION: / BUGET: PWD

NAME OF PROJECT: Water supply – Miri

CONTENTS

DESCRIPTION:

Source from Sungai Liku, design output 2.0 mgd with future expansion to 4.0 mgd. The project is only specified for the Action Programme period.

15 000 feet of 12 inch pipes
35 000 feet of 15 inch pipes

COSTS AND REVENUES (1973 PRICES)

TOTAL INVESTMENT COSTS: $3 848 000 INVESTMENT PERIOD: 1975 to 1980

INVESTMENT YEAR BY YEAR: 1975

1: $240 000	2: $1 640 000	3: $240 000	4: $940 000	5: $512 000
6: $276 000	7:	8:	9:	10:

OPERATING COSTS YEAR BY YEAR: 1975

1: $611 000	2: $635 000	3: $662 000	4: $686 000	5: $715 000
6: $743 000	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

REVENUES YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

SHORT DESCRIPTION OF POSSIBLE ECONOMIES OF SCALE CONCERNING INVESTMENT AND OPERATION COSTS

UNIT (OR ITEM) COSTS AND UNIT (OR ITEM) REVENUES:

	$
15 inch pipe per foot	20
12 inch pipe per foot	15.70
1 000 000 gallons per day, addition	800 000
Service, 100 000	60 000
Distribution system per head	120

DERIVED EFFECTS OF IMPLEMENTING THE PROJECT

MAIN EFFECTS ON THE ENVIRONMENT: Supplies a total population of about 40 000 including the Lambir Village by 1980

EMPLOYMENT:

YEAR	CONSTRUCTION				OPERATION			
	PROFESSIONALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL	PROFESSIONALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL
1								42
2								42
3								42
4								42
5								42
6								42
7								
8								
9								
10								

INPUT OTHER THAN LABOUR: CONSTRUCTION (C), OPERATION (O)

YEARLY PRODUCTION: From 55 million gallons per year in 1975 to 675 million gallons per year in 1980

NET REQUIREMENTS OF FOREIGN EXCHANGE YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

LINKS

LINKS TO OTHER PROJECTS AND DEVELOPMENT PACKAGES

NO: 1	NAME: Miri Town Development
NO:	NAME:
NO:	NAME:
NO:	NAME:
NO:	NAME:
NO:	NAME:
NO:	NAME:

FINANCING

POSSIBILITIES OF FINANCING:

1: FEDERAL GOVERNMENT		2: STATE GOVERNMENT	✓
3: LOCAL GOVERNMENT		4: STATUTORY BODIES	
5: PUBLIC FUNDS		6: PRIVATE DOMESTIC SAVINGS	
7: PRIVATE FOREIGN LOANS		8: PUBLIC FOREIGN LOANS	

REFERENCES

REFERENCES:

1: Supporting Report 5
2: Supporting Report 6, Part III
3:
4:
5:

IDENTIFICATION

PROJECT NUMBER: 78 SECTOR: PUBLIC UTILITIES

DEPARTMENT: PLANNING: / IMPLEMENTATION: / BUGET: } PWD

NAME OF PROJECT: Sewerage - Miri

CONTENTS

DESCRIPTION: Septic tanks, small community system, main sewerage
The project is only specified for the Action Programme period

COSTS AND REVENUES (1973 PRICES)

TOTAL INVESTMENT COSTS: $12 317 000 INVESTMENT PERIOD: 1975 to 1980

INVESTMENT YEAR BY YEAR:

1: $383 000	2: $313 000	3: $2 033 000	4: $4 414 000	5: $3 562 000
6: $1 612 000	7:	8:	9:	10:

OPERATING COSTS YEAR BY YEAR:

1: $37 000	2: $64 000	3: $69 000	4: $74 000	5: $134 000
6: $184 000	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

REVENUES YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

SHORT DESCRIPTION OF POSSIBLE ECONOMIES OF SCALE CONCERNING INVESTMENT AND OPERATION COSTS

UNIT (OR ITEM) COSTS AND UNIT (OR ITEM) REVENUES:

Septic tanks at $210 per head
Community system at $250 per head

DERIVED EFFECTS OF IMPLEMENTING THE PROJECT

MAIN EFFECTS ON THE ENVIRONMENT: Serves a population of 36 000 by 1980

EMPLOYMENT:

YEAR	CONSTRUCTION				OPERATION			
	PROFESSIONALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL	PROFESSIONALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL
1								
2								
3								
4								
5								
6								
7								
8								
9								
10								

INPUT OTHER THAN LABOUR: CONSTRUCTION (C), OPERATION (O)

YEARLY PRODUCTION:

NET REQUIREMENTS OF FOREIGN EXCHANGE YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

LINKS

LINKS TO OTHER PROJECTS AND DEVELOPMENT PACKAGES

NO: 1	NAME: Miri Town Development
NO:	NAME:
NO:	NAME:
NO:	NAME:
NO:	NAME:
NO:	NAME:
NO:	NAME:

FINANCING

POSSIBILITIES OF FINANCING:

1: FEDERAL GOVERNMENT		2: STATE GOVERNMENT	✓
3: LOCAL GOVERNMENT		4: STATUTORY BODIES	
5: PUBLIC FUNDS		6: PRIVATE DOMESTIC SAVINGS	
7: PRIVATE FOREIGN LOANS		8: PUBLIC FOREIGN LOANS	

REFERENCES

REFERENCES:

1: Supporting Report 5
2: Supporting Report 6, Part III
3:
4:
5:

IDENTIFICATION

PROJECT NUMBER: 79 SECTOR: PUBLIC UTILITIES

DEPARTMENT: PLANNING: / IMPLEMENTATION: / BUGET: PWD

NAME OF PROJECT: Water supply - Bintulu

CONTENTS

DESCRIPTION:

Source from Sungai Sibiu - expected to be commissioned in mid 1974
- designed to produce 1.0 mgd for Bintulu and Tanjong Kidurong until early 1980's
- works to be enlarged to 3.0 mgd in due course, 10 inch pipes to Tanjong Kidurong and service storage of 600 000 gallons

The project is only specified for the Action Programme period.

COSTS AND REVENUES (1973 PRICES)

TOTAL INVESTMENT COSTS: $1 766 000 INVESTMENT PERIOD: 1975 to 1980

INVESTMENT YEAR BY YEAR: 1975

1: $370 000	2: $130 000	3: $130 000	4: $280 000	5: $726 000
6: $130 000	7:	8:	9:	10:

OPERATING COSTS YEAR BY YEAR: 1975

1: $200 000	2: $210 000	3: $228 000	4: $243 000	5: $267 000
6: $299 000	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

REVENUES YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

SHORT DESCRIPTION OF POSSIBLE ECONOMIES OF SCALE CONCERNING INVESTMENT AND OPERATION COSTS

UNIT (OR ITEM) COSTS AND UNIT (OR ITEM) REVENUES:

	$
10 inch pipe per foot	12.70
Distribution system per head	130
Service storage per 100 000 gallons	60 000
Average rate of provision per 1 000 gallons	1.70 - 1.30

DERIVED EFFECTS OF IMPLEMENTING THE PROJECT

MAIN EFFECTS ON THE ENVIRONMENT: Serves a total population of 14 000 by 1980

EMPLOYMENT:

YEAR	CONSTRUCTION				OPERATION			
	PROFESSIONALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL	PROFESSIONALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL
1								
2								30
3								30
4								30
5								30
6								30
7								30
8								
9								
10								

INPUT OTHER THAN LABOUR: CONSTRUCTION (C), OPERATION (O)

YEARLY PRODUCTION: From 118 million gallons per year in 1975 to 246 million gallons per year in 1980

NET REQUIREMENTS OF FOREIGN EXCHANGE YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

LINKS

LINKS TO OTHER PROJECTS AND DEVELOPMENT PACKAGES

NO: 2	NAME: Bintulu Town Development
NO:	NAME:
NO:	NAME:
NO:	NAME:
NO:	NAME:
NO:	NAME:
NO:	NAME:

FINANCING

POSSIBILITIES OF FINANCING:

1: FEDERAL GOVERNMENT		2: STATE GOVERNMENT	✓
3: LOCAL GOVERNMENT		4: STATUTORY BODIES	
5: PUBLIC FUNDS		6: PRIVATE DOMESTIC SAVINGS	
7: PRIVATE FOREIGN LOANS		8: PUBLIC FOREIGN LOANS	

REFERENCES

REFERENCES:

1: Supporting Report 5
2: Supporting Report 6, Part III
3:
4:
5:

IDENTIFICATION

PROJECT NUMBER: 80 SECTOR: PUBLIC UTILITIES

DEPARTMENT — PLANNING: / IMPLEMENTATION: / BUGET: } PWD

NAME OF PROJECT: Sewerage - Bintulu

CONTENTS

DESCRIPTION: Divided into three zones with separate disposal facilities for each. The project is only specified for the Action Programme period.

1 900 Septic tanks
1 Tanker vehicle

COSTS AND REVENUES (1973 PRICES)

TOTAL INVESTMENT COSTS: $7 394 000 INVESTMENT PERIOD: 1975 to 1980

INVESTMENT YEAR BY YEAR:

1: $305 000	2: $1 910 000	3: $1 575 000	4: $672 000	5: $1 791 000
6: $1 141 000	7:	8:	9:	10:

OPERATING COSTS YEAR BY YEAR:

1: $4 000	2: $11 000	3: $18 000	4: $36 000	5: $50 000
6: $62 000	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

REVENUES YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

SHORT DESCRIPTION OF POSSIBLE ECONOMIES OF SCALE CONCERNING INVESTMENT AND OPERATION COSTS

UNIT (OR ITEM) COSTS AND UNIT (OR ITEM) REVENUES:

	$
1 Septic tank per head	210
1 Tanker vehicle	35 000
Community system per head	240

DERIVED EFFECTS OF IMPLEMENTING THE PROJECT

MAIN EFFECTS ON THE ENVIRONMENT: Serves a Bintulu population of 14 000 in 1980

EMPLOYMENT:

YEAR	CONSTRUCTION				OPERATION			
	PROFESSIO-NALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL	PROFESSIO-NALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL
1								
2								
3								
4								
5								
6								
7								
8								
9								
10								

INPUT OTHER THAN LABOUR: CONSTRUCTION (C), OPERATION (O)

YEARLY PRODUCTION:

NET REQUIREMENTS OF FOREIGN EXCHANGE YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

LINKS

LINKS TO OTHER PROJECTS AND DEVELOPMENT PACKAGES

NO: 2	NAME: Bintulu Town Development
NO:	NAME:
NO:	NAME:
NO:	NAME:
NO:	NAME:
NO:	NAME:
NO:	NAME:

FINANCING

POSSIBILITIES OF FINANCING:

1: FEDERAL GOVERNMENT		2: STATE GOVERNMENT	✓
3: LOCAL GOVERNMENT		4: STATUTORY BODIES	
5: PUBLIC FUNDS		6: PRIVATE DOMESTIC SAVINGS	
7: PRIVATE FOREIGN LOANS		8: PUBLIC FOREIGN LOANS	

REFERENCES

REFERENCES:

1: Supporting Report 5
2: Supporting Report 6, Part III
3:
4:
5:

IDENTIFICATION

PROJECT NUMBER: 81 SECTOR: PUBLIC UTILITIES

DEPARTMENT: PLANNING: / IMPLEMENTATION: / BUGET: } PWD

NAME OF PROJECT: Water supply - Marudi

CONTENTS

DESCRIPTION:

Source from Batang Baram, production 0.22 mgd with future expansion to 0.3 mgd in the middle 1980's. The project is only specified for the Action Programme period.

Total service storage - 100 000 gallons
Old headworks to be abandoned
No trunk pipelines required

COSTS AND REVENUES (1975 PRICES)

TOTAL INVESTMENT COSTS: $265 000 INVESTMENT PERIOD: 1975 to 1980

INVESTMENT YEAR BY YEAR: 1975

1: $72 000	2: $22 000	3: $22 000	4: $83 000	5: $33 000
6: $33 000	7:	8:	9:	10:

OPERATING COSTS YEAR BY YEAR: From 1975

1: $75 000	2: $78 000	3: $82 000	4: $85 000	5: $88 000
6: $91 000	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

REVENUES YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

SHORT DESCRIPTION OF POSSIBLE ECONOMIES OF SCALE CONCERNING INVESTMENT AND OPERATION COSTS

UNIT (OR ITEM) COSTS AND UNIT (OR ITEM) REVENUES:

	$
Distribution system per head	110
Cost production per 1 000 gallons	1.60
Service storage per 100 000 gallons	100 000

DERIVED EFFECTS OF IMPLEMENTING THE PROJECT

MAIN EFFECTS ON THE ENVIRONMENT: Serves a total population of 5 000 by 1980

EMPLOYMENT:

YEAR	CONSTRUCTION				OPERATION			
	PROFESSIONALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL	PROFESSIONALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL
1								
2								10
3								10
4								10
5								10
6								10
7								10
8								
9								
10								

INPUT OTHER THAN LABOUR: CONSTRUCTION (C), OPERATION (O)

YEARLY PRODUCTION: From 46 million gallons per year in 1975 to 57 million gallons per year in 1980

NET REQUIREMENTS OF FOREIGN EXCHANGE YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

LINKS

LINKS TO OTHER PROJECTS AND DEVELOPMENT PACKAGES

NO: 3	NAME: Marudi Town Development
NO:	NAME:
NO:	NAME:
NO:	NAME:
NO:	NAME:
NO:	NAME:
NO:	NAME:

FINANCING

POSSIBILITIES OF FINANCING:

1: FEDERAL GOVERNMENT		2: STATE GOVERNMENT	✓
3: LOCAL GOVERNMENT		4: STATUTORY BODIES	
5: PUBLIC FUNDS		6: PRIVATE DOMESTIC SAVINGS	
7: PRIVATE FOREIGN LOANS		8: PUBLIC FOREIGN LOANS	

REFERENCES

REFERENCES:

1: Supporting Report 5
2: Supporting Report 6, Part III
3:
4:
5:

IDENTIFICATION

PROJECT NUMBER: 82 SECTOR: PUBLIC UTILITIES

DEPARTMENT — PLANNING: / IMPLEMENTATION: / BUGET: } PWD

NAME OF PROJECT: Sewerage - Marudi

CONTENTS

DESCRIPTION: Septic tanks
The project is only specified for the Action Programme period.

COSTS AND REVENUES (1973 PRICES)

TOTAL INVESTMENT COSTS: $1 080 000 INVESTMENT PERIOD: 1975 to 1980

INVESTMENT YEAR BY YEAR: 1975

1: $52 000	2: $17 000	3: $17 000	4: $317 000	5: $558 000
6: $119 000	7:	8:	9:	10:

OPERATING COSTS YEAR BY YEAR: 1975

1: $12 000	2: $13 000	3: $13 000	4: $14 000	5: $16 000
6: $25 000	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

REVENUES YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

SHORT DESCRIPTION OF POSSIBLE ECONOMIES OF SCALE CONCERNING INVESTMENT AND OPERATION COSTS

UNIT (OR ITEM) COSTS AND UNIT (OR ITEM) REVENUES:

	$
Septic tank per head	210
Tanker for emptying septic tanks	35 000

DERIVED EFFECTS OF IMPLEMENTING THE PROJECT

MAIN EFFECTS ON THE ENVIRONMENT: Serves a total population of 5 000 by 1980

EMPLOYMENT:

YEAR	CONSTRUCTION				OPERATION			
	PROFESSIONALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL	PROFESSIONALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL
1								
2								
3								
4								
5								
6								
7								
8								
9								
10								

INPUT OTHER THAN LABOUR: CONSTRUCTION (C), OPERATION (O)

YEARLY PRODUCTION:

NET REQUIREMENTS OF FOREIGN EXCHANGE YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

LINKS

LINKS TO OTHER PROJECTS AND DEVELOPMENT PACKAGES

NO: 3	NAME: Marudi Town Development
NO:	NAME:
NO:	NAME:
NO:	NAME:
NO:	NAME:
NO:	NAME:
NO:	NAME:

FINANCING

POSSIBILITIES OF FINANCING:

1: FEDERAL GOVERNMENT	☐	2: STATE GOVERNMENT	✓
3: LOCAL GOVERNMENT	☐	4: STATUTORY BODIES	☐
5: PUBLIC FUNDS	☐	6: PRIVATE DOMESTIC SAVINGS	☐
7: PRIVATE FOREIGN LOANS	☐	8: PUBLIC FOREIGN LOANS	☐

REFERENCES

REFERENCES:

1: Supporting Report 5
2: Supporting Report 6, Part III
3:
4:
5:

IDENTIFICATION

PROJECT NUMBER: 83 SECTOR: PUBLIC UTILITIES

DEPARTMENT: PLANNING: / IMPLEMENTATION: / BUGET: } PWD

NAME OF PROJECT: Water supply - Long Lama

CONTENTS

DESCRIPTION:

Source from Batang Baram, output 150 000 gpd to last until middle 1980's
The project is only specified for the Action Programme period.

No trunk pipelines needed

(gpd = gallons per day)

COSTS AND REVENUES (1973 PRICES)

TOTAL INVESTMENT COSTS: $283 000 INVESTMENT PERIOD: 1975 to 1980

INVESTMENT YEAR BY YEAR: 1975

1: $27 000	2: $13 000	3: $13 000	4: $40 000	5: $97 000
6: $93 000	7:	8:	9:	10:

OPERATING COSTS YEAR BY YEAR: 1975

1: $14 000	2: $17 000	3: $20 000	4: $23 000	5: $30 000
6: $42 000	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

REVENUES YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

SHORT DESCRIPTION OF POSSIBLE ECONOMIES OF SCALE CONCERNING INVESTMENT AND OPERATION COSTS

UNIT (OR ITEM) COSTS AND UNIT (OR ITEM) REVENUES:

	$
Service storage 50 000 per 100 000 gallons	60 000
Distribution system per head	133
Cost of production per 1 000 gallons	1.50

DERIVED EFFECTS OF IMPLEMENTING THE PROJECT

MAIN EFFECTS ON THE ENVIRONMENT: Serves a total population of 2 500 and the secondary school by 1980

EMPLOYMENT:

YEAR	CONSTRUCTION				OPERATION			
	PROFESSIO-NALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL	PROFESSIO-NALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL
1					1	2	5	8
2					1	2	5	8
3					1	2	5	8
4					1	2	5	8
5					1	2	5	8
6								
7								
8								
9								
10								

INPUT OTHER THAN LABOUR: CONSTRUCTION (C), OPERATION (O)

YEARLY PRODUCTION: From 9 million gallons per year in 1975 to 28 million gallons per year in 1980

NET REQUIREMENTS OF FOREIGN EXCHANGE YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

LINKS

LINKS TO OTHER PROJECTS AND DEVELOPMENT PACKAGES

NO: 4	NAME: Long Lama Town Development
NO:	NAME:
NO:	NAME:
NO:	NAME:
NO:	NAME:
NO:	NAME:
NO:	NAME:

FINANCING

POSSIBILITIES OF FINANCING:

1: FEDERAL GOVERNMENT	☐	2: STATE GOVERNMENT	✓
3: LOCAL GOVERNMENT	☐	4: STATUTORY BODIES	☐
5: PUBLIC FUNDS	☐	6: PRIVATE DOMESTIC SAVINGS	☐
7: PRIVATE FOREIGN LOANS	☐	8: PUBLIC FOREIGN LOANS	☐

REFERENCES

REFERENCES:

1: Supporting Report 5
2: Supporting Report 6, Part III
3:
4:
5:

IDENTIFICATION

PROJECT NUMBER: 86 SECTOR: PUBLIC UTILITIES

DEPARTMENT — PLANNING: / IMPLEMENTATION: / BUGET: } PWD

NAME OF PROJECT: Sewerage - Batu Niah

CONTENTS

DESCRIPTION: Latrines, septic tanks and community system
The project is only specified for the Action Programme period.

COSTS AND REVENUES (1973 PRICES)

TOTAL INVESTMENT COSTS: $392 000 INVESTMENT PERIOD: 1975 to 1980

INVESTMENT YEAR BY YEAR: 1975

1: $64 000	2: $54 000	3: $54 000	4: $54 000	5: $80 000
6: $86 000	7:	8:	9:	10:

OPERATING COSTS YEAR BY YEAR: 1975

1: $3 000	2: $4 000	3: $5 000	4: $6 000	5: $8 000
6: $9 000	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

REVENUES YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

SHORT DESCRIPTION OF POSSIBLE ECONOMIES OF SCALE CONCERNING INVESTMENT AND OPERATION COSTS

UNIT (OR ITEM) COSTS AND UNIT (OR ITEM) REVENUES:

	$
Latrines per head	18
Tanker vehicle	10 000
Septic tanks per head	210
Community system per head	240

DERIVED EFFECTS OF IMPLEMENTING THE PROJECT

MAIN EFFECTS ON THE ENVIRONMENT: Serves Batu Niah (population 2 000)

EMPLOYMENT:

YEAR	CONSTRUCTION				OPERATION			
	PROFESSIONALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL	PROFESSIONALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL
1								
2								
3								
4								
5								
6								
7								
8								
9								
10								

INPUT OTHER THAN LABOUR: CONSTRUCTION (C), OPERATION (O)

YEARLY PRODUCTION:

NET REQUIREMENTS OF FOREIGN EXCHANGE YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

LINKS

LINKS TO OTHER PROJECTS AND DEVELOPMENT PACKAGES

NO: 5	NAME: Batu Niah Town Development
NO:	NAME:
NO:	NAME:
NO:	NAME:
NO:	NAME:
NO:	NAME:
NO:	NAME:

FINANCING

POSSIBILITIES OF FINANCING:

1: FEDERAL GOVERNMENT		2: STATE GOVERNMENT	✓
3: LOCAL GOVERNMENT		4: STATUTORY BODIES	
5: PUBLIC FUNDS		6: PRIVATE DOMESTIC SAVINGS	
7: PRIVATE FOREIGN LOANS		8: PUBLIC FOREIGN LOANS	

REFERENCES

REFERENCES:

1: Supporting Report 5
2: Supporting Report 6, Part III
3:
4:
5:

IDENTIFICATION

PROJECT NUMBER: 87 SECTOR: PUBLIC UTILITIES

DEPARTMENT: PLANNING: / IMPLEMENTATION: / BUGET: } PWD

NAME OF PROJECT: Water supply - Niah

CONTENTS

DESCRIPTION: Source from Sungai Niah, maximum output 0.1 million gallons per day

Headworks
Pipes
2 Class IV quarters
Service storage

COSTS AND REVENUES (1973 PRICES)

TOTAL INVESTMENT COSTS: $466 000 INVESTMENT PERIOD: 1975 to 1980

INVESTMENT YEAR BY YEAR:

1: $120 000	2: $238 000	3: $87 000	4: $7 000	5: $7 000
6: $7 000	7:	8:	9:	10:

OPERATING COSTS YEAR BY YEAR:

1: $22 000	2: $20 000	3: $21 000	4: $19 000	5: $21 000
6: $21 000	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

REVENUES YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

SHORT DESCRIPTION OF POSSIBLE ECONOMIES OF SCALE CONCERNING INVESTMENT AND OPERATION COSTS

UNIT (OR ITEM) COSTS AND UNIT (OR ITEM) REVENUES:

DERIVED EFFECTS OF IMPLEMENTING THE PROJECT

MAIN EFFECTS ON THE ENVIRONMENT: Serves a population of 1 300 by 1980

EMPLOYMENT:

YEAR	CONSTRUCTION				OPERATION			
	PROFESSIONALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL	PROFESSIONALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL
1								
2								2
3								2
4								2
5								2
6								2
7								2
8								
9								
10								

INPUT OTHER THAN LABOUR: CONSTRUCTION (C), OPERATION (O)

YEARLY PRODUCTION:

NET REQUIREMENTS OF FOREIGN EXCHANGE YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

LINKS

LINKS TO OTHER PROJECTS AND DEVELOPMENT PACKAGES

NO: 8	NAME: Niah Town Development
NO: 85	NAME: Water supply - Batu Niah Project
NO: 73	NAME: Water supply - Lambir-Subis South Project
NO:	NAME:
NO:	NAME:
NO:	NAME:
NO:	NAME:

FINANCING

POSSIBILITIES OF FINANCING:

1: FEDERAL GOVERNMENT		2: STATE GOVERNMENT	✓
3: LOCAL GOVERNMENT		4: STATUTORY BODIES	
5: PUBLIC FUNDS		6: PRIVATE DOMESTIC SAVINGS	
7: PRIVATE FOREIGN LOANS		8: PUBLIC FOREIGN LOANS	

REFERENCES

REFERENCES:

1: Supporting Report 5
2: Supporting Report 6, Part III
3:
4:
5:

IDENTIFICATION

PROJECT NUMBER: 88 SECTOR: PUBLIC UTILITIES

DEPARTMENT — PLANNING: / IMPLEMENTATION: / BUGET: — PWD

NAME OF PROJECT: Sewerage - Niah

CONTENTS

DESCRIPTION: Small community system and septic tanks
The project is only specified for the Action Programme period.

COSTS AND REVENUES (1973 PRICES)

TOTAL INVESTMENT COSTS: $290 000 INVESTMENT PERIOD: 1975 to 1980

INVESTMENT YEAR BY YEAR:

1: $51 000	2: $46 000	3: $47 000	4: $47 000	5: $47 000
6: $52 000	7:	8:	9:	10:

OPERATING COSTS YEAR BY YEAR: 1980 +

1: $7 000	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

REVENUES YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

SHORT DESCRIPTION OF POSSIBLE ECONOMIES OF SCALE CONCERNING INVESTMENT AND OPERATION COSTS

UNIT (OR ITEM) COSTS AND UNIT (OR ITEM) REVENUES:

	$
Septic tanks per head	210
Community systems per head	240

DERIVED EFFECTS OF IMPLEMENTING THE PROJECT

MAIN EFFECTS ON THE ENVIRONMENT: Serves a population of 1 300 by 1980

EMPLOYMENT:

YEAR	CONSTRUCTION				OPERATION			
	PROFESSIO-NALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL	PROFESSIO-NALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL
1								
2								
3								
4								
5								
6								
7								
8								
9								
10								

INPUT OTHER THAN LABOUR: CONSTRUCTION (C), OPERATION (O)

YEARLY PRODUCTION:

NET REQUIREMENTS OF FOREIGN EXCHANGE YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

LINKS

LINKS TO OTHER PROJECTS AND DEVELOPMENT PACKAGES

NO: 8	NAME: Niah Town Development
NO:	NAME:
NO:	NAME:
NO:	NAME:
NO:	NAME:
NO:	NAME:
NO:	NAME:

FINANCING

POSSIBILITIES OF FINANCING:

1: FEDERAL GOVERNMENT		2: STATE GOVERNMENT	✓
3: LOCAL GOVERNMENT		4: STATUTORY BODIES	
5: PUBLIC FUNDS		6: PRIVATE DOMESTIC SAVINGS	
7: PRIVATE FOREIGN LOANS		8: PUBLIC FOREIGN LOANS	

REFERENCES

REFERENCES:

1: Supporting Report 5
2: Supporting Report 6, Part III
3:
4:
5:

IDENTIFICATION

PROJECT NUMBER: 89 SECTOR: PUBLIC UTILITIES

DEPARTMENT

PLANNING:	DC	SESCD
IMPLEMENTATION:	DC	SESCD
BUGET:	DC	SESCD

NAME OF PROJECT: Cleansing, refuse disposal, street lighting - Lambir-Subis South

CONTENTS

DESCRIPTION: Calculated on the basis of a representative small town
The project is only specified for the Action Programme period.

Monsoon drains
Cleansing department trailer
Lined roadside drains
Street lighting

COSTS AND REVENUES (1973 PRICES)

TOTAL INVESTMENT COSTS: $58 000 INVESTMENT PERIOD: 1975 to 1980

INVESTMENT YEAR BY YEAR: 1975 +

1: $8 000	2: $13 000	3: $8 000	4: $9 000	5: $10 000
6: $10 000	7:	8:	9:	10:

OPERATING COSTS YEAR BY YEAR: 1975+

1: $7 000	2: $7 000	3: $7 000	4: $10 000	5: $10 000
6: $11 000	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

REVENUES YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

SHORT DESCRIPTION OF POSSIBLE ECONOMIES OF SCALE CONCERNING INVESTMENT AND OPERATION COSTS

UNIT (OR ITEM) COSTS AND UNIT (OR ITEM) REVENUES:

	$
Monsoon drains per head	20
Cleansing department trailer	5 000
Lined roadside drains per head	60
Street lighting per head	18

DERIVED EFFECTS OF IMPLEMENTING THE PROJECT

MAIN EFFECTS ON THE ENVIRONMENT: Serves the village population of Ladang Tiga (3 500 by 1980)

EMPLOYMENT:

YEAR	CONSTRUCTION				OPERATION			
	PROFESSIO-NALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL	PROFESSIO-NALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL
1								
2								
3								
4								
5								
6								
7								
8								
9								
10								

INPUT OTHER THAN LABOUR: CONSTRUCTION (C), OPERATION (O)

YEARLY PRODUCTION:

NET REQUIREMENTS OF FOREIGN EXCHANGE YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

LINKS

LINKS TO OTHER PROJECTS AND DEVELOPMENT PACKAGES

NO: 1	NAME: SLDB Village Development Schemes, Lambir-Subis South Rural Development
NO:	NAME:
NO:	NAME:
NO:	NAME:
NO:	NAME:
NO:	NAME:
NO:	NAME:

FINANCING

POSSIBILITIES OF FINANCING:

1: FEDERAL GOVERNMENT		2: STATE GOVERNMENT	✓
3: LOCAL GOVERNMENT		4: STATUTORY BODIES	
5: PUBLIC FUNDS		6: PRIVATE DOMESTIC SAVINGS	
7: PRIVATE FOREIGN LOANS		8: PUBLIC FOREIGN LOANS	

REFERENCES

REFERENCES:

1: Supporting Report 5
2: Supporting Report 6, Part III
3:
4:
5:

IDENTIFICATION

PROJECT NUMBER: 90 SECTOR: PUBLIC UTILITIES

DEPARTMENT: PLANNING: / IMPLEMENTATION: / BUGET: } OC/SESCO

NAME OF PROJECT: Cleansing, refuse disposal, street lighting - Miri

CONTENTS

DESCRIPTION: Monsoon drains
Cleansing department
Lined roadside drains
Street lighting

The project is only specified for the Action Programme period.

COSTS AND REVENUES (1973 PRICES)

TOTAL INVESTMENT COSTS: $1 491 000 INVESTMENT PERIOD: 1975 to 1980

INVESTMENT YEAR BY YEAR:

1: $227 000	2: $212 000	3: $227 000	4: $227 000	5: $299 000
6: $299 000	7:	8:	9:	10:

OPERATING COSTS YEAR BY YEAR:

1: $403 000	2: $415 000	3: $435 000	4: $447 000	5: $470 000
6: $494 000	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

REVENUES YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

SHORT DESCRIPTION OF POSSIBLE ECONOMIES OF SCALE CONCERNING INVESTMENT AND OPERATION COSTS

UNIT (OR ITEM) COSTS AND UNIT (OR ITEM) REVENUES:

	$
Monsoon drains per head	50
Lined roadside drains per head	60
6 Trucks	255 000

DERIVED EFFECTS OF IMPLEMENTING THE PROJECT

MAIN EFFECTS ON THE ENVIRONMENT: Serves the Miri population of 36 000 by 1980

EMPLOYMENT:

YEAR	CONSTRUCTION				OPERATION			
	PROFESSIO-NALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL	PROFESSIO-NALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL
1								
2								
3								
4								
5								
6								
7								
8								
9								
10								

INPUT OTHER THAN LABOUR: CONSTRUCTION (C), OPERATION (O)

YEARLY PRODUCTION:

NET REQUIREMENTS OF FOREIGN EXCHANGE YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

LINKS

LINKS TO OTHER PROJECTS AND DEVELOPMENT PACKAGES

NO: 1	NAME: Miri Town Development
NO:	NAME:
NO:	NAME:
NO:	NAME:
NO:	NAME:
NO:	NAME:
NO:	NAME:

FINANCING

POSSIBILITIES OF FINANCING:

1: FEDERAL GOVERNMENT		2: STATE GOVERNMENT	✓
3: LOCAL GOVERNMENT		4: STATUTORY BODIES	✓
5: PUBLIC FUNDS		6: PRIVATE DOMESTIC SAVINGS	
7: PRIVATE FOREIGN LOANS		8: PUBLIC FOREIGN LOANS	

REFERENCES

REFERENCES:

1: Supporting Report 5
2: Supporting Report 6, Part III
3:
4:
5:

IDENTIFICATION

PROJECT NUMBER: 91 SECTOR: PUBLIC UTILITIES

DEPARTMENT — PLANNING:) IMPLEMENTATION:) BUGET:) DC/SESCO

NAME OF PROJECT: Cleansing, refuse disposal, street lighting - Bintulu

CONTENTS

DESCRIPTION: Refer Project No. 90: for Miri town scheme

COSTS AND REVENUES (1973 PRICES)

TOTAL INVESTMENT COSTS: $915 000 INVESTMENT PERIOD:

INVESTMENT YEAR BY YEAR: 1975

1: $97 000	2: $177 000	3: $172 000	4: $127 000	5: $161 000
6: $181 000	7:	8:	9:	10:

OPERATING COSTS YEAR BY YEAR: 1975

1: $96 000	2: $107 000	3: $117 000	4: $126 000	5: $141 000
6: $168 000	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

REVENUES YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

SHORT DESCRIPTION OF POSSIBLE ECONOMIES OF SCALE CONCERNING INVESTMENT AND OPERATION COSTS

UNIT (OR ITEM) COSTS AND UNIT (OR ITEM) REVENUES:

	$
Monsoon drains per head	50
Lined roadside drains per head	60
4 Trucks	150 000

DERIVED EFFECTS OF IMPLEMENTING THE PROJECT

MAIN EFFECTS ON THE ENVIRONMENT: Serves the Bintulu population of 14 000 by 1980

EMPLOYMENT:

YEAR	CONSTRUCTION				OPERATION			
	PROFESSIO-NALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL	PROFESSIO-NALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL
1								
2								
3								
4								
5								
6								
7								
8								
9								
10								

INPUT OTHER THAN LABOUR: CONSTRUCTION (C), OPERATION (O)

YEARLY PRODUCTION:

NET REQUIREMENTS OF FOREIGN EXCHANGE YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

LINKS

LINKS TO OTHER PROJECTS AND DEVELOPMENT PACKAGES

NO: 2	NAME: Bintulu Town Development
NO:	NAME:
NO:	NAME:
NO:	NAME:
NO:	NAME:
NO:	NAME:
NO:	NAME:

FINANCING

POSSIBILITIES OF FINANCING:

1: FEDERAL GOVERNMENT		2: STATE GOVERNMENT	✓
3: LOCAL GOVERNMENT		4: STATUTORY BODIES	✓
5: PUBLIC FUNDS		6: PRIVATE DOMESTIC SAVINGS	
7: PRIVATE FOREIGN LOANS		8: PUBLIC FOREIGN LOANS	

REFERENCES

REFERENCES:

1: Supporting Report 6, Part III
2:
3:
4:
5:

IDENTIFICATION

PROJECT NUMBER: 92 SECTOR: PUBLIC UTILITIES

DEPARTMENT — PLANNING: / IMPLEMENTATION: / BUGET: } SRU/SESCO

NAME OF PROJECT: Cleansing, refuse disposal, street lighting - Marudi

CONTENTS

DESCRIPTION: Monsoon drains
Cleansing department
Lined roadside drains
Street lighting

The project is only specified for the Action Programme period.

COSTS AND REVENUES (1973 PRICES)

TOTAL INVESTMENT COSTS: $152 000 INVESTMENT PERIOD: 1975 to 1980

INVESTMENT YEAR BY YEAR:

1: $44 000	2: $13 000	3: $14 000	4: $43 000	5: $14 000
6: $24 000	7:	8:	9:	10:

OPERATING COSTS YEAR BY YEAR:

1: $63 000	2: $65 000	3: $66 000	4: $67 000	5: $68 000
6: $71 000	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

REVENUES YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

SHORT DESCRIPTION OF POSSIBLE ECONOMIES OF SCALE CONCERNING INVESTMENT AND OPERATION COSTS

UNIT (OR ITEM) COSTS AND UNIT (OR ITEM) REVENUES:

	$
Monsoon drains per head	36
Lined roadside drains per head	60
2 Trucks	60 000

DERIVED EFFECTS OF IMPLEMENTING THE PROJECT

MAIN EFFECTS ON THE ENVIRONMENT: Serves Marudi with population of 5 000 by 1980

EMPLOYMENT:

YEAR	CONSTRUCTION				OPERATION			
	PROFESSIONALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL	PROFESSIONALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL
1								
2								
3								
4								
5								
6								
7								
8								
9								
10								

INPUT OTHER THAN LABOUR: CONSTRUCTION (C), OPERATION (O)

YEARLY PRODUCTION:

NET REQUIREMENTS OF FOREIGN EXCHANGE YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

LINKS

LINKS TO OTHER PROJECTS AND DEVELOPMENT PACKAGES

NO: 3	NAME: Marudi Town Development
NO:	NAME:
NO:	NAME:
NO:	NAME:
NO:	NAME:
NO:	NAME:
NO:	NAME:

FINANCING

POSSIBILITIES OF FINANCING:

1: FEDERAL GOVERNMENT		2: STATE GOVERNMENT	✓
3: LOCAL GOVERNMENT		4: STATUTORY BODIES	✓
5: PUBLIC FUNDS		6: PRIVATE DOMESTIC SAVINGS	
7: PRIVATE FOREIGN LOANS		8: PUBLIC FOREIGN LOANS	

REFERENCES

REFERENCES:

1: Supporting Report 5
2: Supporting Report 6, Part III
3:
4:
5:

IDENTIFICATION

PROJECT NUMBER: 93 SECTOR: PUBLIC UTILITIES

DEPARTMENT — PLANNING: / IMPLEMENTATION: / BUGET: — BQ/SESCO

NAME OF PROJECT: Cleansing, refuse disposal, street lighting - Long Lama

CONTENTS

DESCRIPTION: Monsoon drains
Cleansing department
Lined roadside drains
Street lighting

The project is only specified for the Action Programme period.

COSTS AND REVENUES (1973 PRICES)

TOTAL INVESTMENT COSTS: $179 000 INVESTMENT PERIOD: 1975 to 1980

INVESTMENT YEAR BY YEAR: 1975

1: $8 000	2: $8 000	3: $48 000	4: $28 000	5: $30 000
6: $57 000	7:	8:	9:	10:

OPERATING COSTS YEAR BY YEAR: 1975

1: $9 000	2: $9 000	3: $12 000	4: $13 000	5: $16 000
6: $23 000	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

REVENUES YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

SHORT DESCRIPTION OF POSSIBLE ECONOMIES OF SCALE CONCERNING INVESTMENT AND OPERATION COSTS

UNIT (OR ITEM) COSTS AND UNIT (OR ITEM) REVENUES:

	$
Monsoon drains per head	20
Lined roadside drains per head	60
Truck	30 000

DERIVED EFFECTS OF IMPLEMENTING THE PROJECT

MAIN EFFECTS ON THE ENVIRONMENT: Serves a total population of 2 500 in Long Lama by 1980

EMPLOYMENT:

YEAR	CONSTRUCTION				OPERATION			
	PROFESSIONALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL	PROFESSIONALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL
1								
2								
3								
4								
5								
6								
7								
8								
9								
10								

INPUT OTHER THAN LABOUR: CONSTRUCTION (C), OPERATION (O)

YEARLY PRODUCTION:

NET REQUIREMENTS OF FOREIGN EXCHANGE YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

LINKS

LINKS TO OTHER PROJECTS AND DEVELOPMENT PACKAGES

NO: 4	NAME: Long Lama Town Development
NO:	NAME:
NO:	NAME:
NO:	NAME:
NO:	NAME:
NO:	NAME:
NO:	NAME:

FINANCING

POSSIBILITIES OF FINANCING:

1: FEDERAL GOVERNMENT		2: STATE GOVERNMENT	✓
3: LOCAL GOVERNMENT		4: STATUTORY BODIES	✓
5: PUBLIC FUNDS		6: PRIVATE DOMESTIC SAVINGS	
7: PRIVATE FOREIGN LOANS		8: PUBLIC FOREIGN LOANS	

REFERENCES

REFERENCES:

1: Supporting Report 5
2: Supporting Report 6, Part III
3:
4:
5:

IDENTIFICATION

PROJECT NUMBER: 94 SECTOR: PUBLIC UTILITIES

DEPARTMENT — PLANNING: / IMPLEMENTATION: / BUGET: } DKD/SESCO

NAME OF PROJECT: Cleansing, refuse disposal, street lighting - Batu Niah

CONTENTS

DESCRIPTION: Monsoon drains
Cleansing department
Lined roadside drains
Street lighting

The project is only specified for the Action Programme period.

COSTS AND REVENUES (1973 PRICES)

TOTAL INVESTMENT COSTS: $112 000 INVESTMENT PERIOD: 6 years

INVESTMENT YEAR BY YEAR: 1975 +

1: $9 000	2: $39 000	3: $15 000	4: $15 000	5: $17 000
6: $17 000	7:	8:	9:	10:

OPERATING COSTS YEAR BY YEAR: 1975

1: $11 000	2: $12 000	3: $13 000	4: $15 000	5: $16 000
6: $17 000	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

REVENUES YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

SHORT DESCRIPTION OF POSSIBLE ECONOMIES OF SCALE CONCERNING INVESTMENT AND OPERATION COSTS

UNIT (OR ITEM) COSTS AND UNIT (OR ITEM) REVENUES:

	$
Monsoon drains per head	20
Lined roadside drains per head	60
Trailer	30 000

DERIVED EFFECTS OF IMPLEMENTING THE PROJECT

MAIN EFFECTS ON THE ENVIRONMENT: Serves a total population of 2 000 by 1980

EMPLOYMENT:

YEAR	CONSTRUCTION				OPERATION			
	PROFESSIONALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL	PROFESSIONALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL
1								
2								
3								
4								
5								
6								
7								
8								
9								
10								

INPUT OTHER THAN LABOUR: CONSTRUCTION (C), OPERATION (O)

YEARLY PRODUCTION:

NET REQUIREMENTS OF FOREIGN EXCHANGE YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

LINKS

LINKS TO OTHER PROJECTS AND DEVELOPMENT PACKAGES

NO: 5	NAME: Batu Niah Town Development
NO:	NAME:
NO:	NAME:
NO:	NAME:
NO:	NAME:
NO:	NAME:
NO:	NAME:

FINANCING

POSSIBILITIES OF FINANCING:

1: FEDERAL GOVERNMENT		2: STATE GOVERNMENT	✓
3: LOCAL GOVERNMENT		4: STATUTORY BODIES	✓
5: PUBLIC FUNDS		6: PRIVATE DOMESTIC SAVINGS	
7: PRIVATE FOREIGN LOANS		8: PUBLIC FOREIGN LOANS	

REFERENCES

REFERENCES:

1: Supporting Report 5
2: Supporting Report 6, Part III
3:
4:
5:

IDENTIFICATION

PROJECT NUMBER: 95 SECTOR: PUBLIC UTILITIES

DEPARTMENT — PLANNING: / IMPLEMENTATION: / BUGET: } [redacted]

NAME OF PROJECT: Cleansing, refuse disposal, street lighting - Niah

CONTENTS

DESCRIPTION: Monsoon drains
Cleansing department
Lined roadside drains
Street lighting

The project is only specified for the Action Programme period.

COSTS AND REVENUES (1973 PRICES)

TOTAL INVESTMENT COSTS: $58 000 INVESTMENT PERIOD: 1975 to 1980

INVESTMENT YEAR BY YEAR:

1: $8 000	2: $13 000	3: $8 000	4: $9 000	5: $10 000
6: $10 000	7:	8:	9:	10:

OPERATING COSTS YEAR BY YEAR:

1: $7 000	2: $7 000	3: $7 000	4: $10 000	5: $10 000
6: $11 000	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

REVENUES YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

SHORT DESCRIPTION OF POSSIBLE ECONOMIES OF SCALE CONCERNING INVESTMENT AND OPERATION COSTS

UNIT (OR ITEM) COSTS AND UNIT (OR ITEM) REVENUES:

	$
Monsoon drains per head	20
Lined roadside drains per head	60

DERIVED EFFECTS OF IMPLEMENTING THE PROJECT

MAIN EFFECTS ON THE ENVIRONMENT: Serves a total population of 1 300 by 1980

EMPLOYMENT:

YEAR	CONSTRUCTION				OPERATION			
	PROFESSIO-NALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL	PROFESSIO-NALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL
1								
2								
3								
4								
5								
6								
7								
8								
9								
10								

INPUT OTHER THAN LABOUR: CONSTRUCTION (C), OPERATION (O)

YEARLY PRODUCTION:

NET REQUIREMENTS OF FOREIGN EXCHANGE YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

LINKS

LINKS TO OTHER PROJECTS AND DEVELOPMENT PACKAGES

NO: 8	NAME: Niah Town Development
NO:	NAME:
NO:	NAME:
NO:	NAME:
NO:	NAME:
NO:	NAME:
NO:	NAME:

FINANCING

POSSIBILITIES OF FINANCING:

1: FEDERAL GOVERNMENT		2: STATE GOVERNMENT	✓
3: LOCAL GOVERNMENT		4: STATUTORY BODIES	✓
5: PUBLIC FUNDS		6: PRIVATE DOMESTIC SAVINGS	
7: PRIVATE FOREIGN LOANS		8: PUBLIC FOREIGN LOANS	

REFERENCES

REFERENCES:

1: Supporting Report 5
2: Supporting Report 6, Part III
3:
4:
5:

IDENTIFICATION

PROJECT NUMBER: 96 SECTOR: PUBLIC UTILITIES

DEPARTMENT: PLANNING: / IMPLEMENTATION: / BUGET: } SESCO

NAME OF PROJECT: Electricity - Lambir-Subis North

CONTENTS

DESCRIPTION: Calculated from the representative small town example
The project is only specified for the Action Programme period.
Each village supplied with 120 kW plant

COSTS AND REVENUES (1973 PRICES)

TOTAL INVESTMENT COSTS: $760 000 INVESTMENT PERIOD: 1975 to 1980

INVESTMENT YEAR BY YEAR: 1975

1: $120 000	2:	3: $120 000	4: $230 000	5: $60 000
6: $230 000	7:	8:	9:	10:

OPERATING COSTS YEAR BY YEAR: 1976

1: $12 000	2: $22 000	3: $36 000	4: $44 000	5: $56 000
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

REVENUES YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

SHORT DESCRIPTION OF POSSIBLE ECONOMIES OF SCALE CONCERNING INVESTMENT AND OPERATION COSTS

UNIT (OR ITEM) COSTS AND UNIT (OR ITEM) REVENUES:

DERIVED EFFECTS OF IMPLEMENTING THE PROJECT

MAIN EFFECTS ON THE ENVIRONMENT: Serves the villages in the Lambir-Subis North

EMPLOYMENT:

YEAR	CONSTRUCTION				OPERATION			
	PROFESSIO-NALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL	PROFESSIO-NALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL
1								
2								2
3								3
4								3
5								3
6								3
7								
8								
9								
10								

INPUT OTHER THAN LABOUR: CONSTRUCTION (C), OPERATION (O)

YEARLY PRODUCTION:

NET REQUIREMENTS OF FOREIGN EXCHANGE YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

LINKS

LINKS TO OTHER PROJECTS AND DEVELOPMENT PACKAGES

NO: 2	NAME: Lambir-Subis North Village Development
NO:	NAME:
NO:	NAME:
NO:	NAME:
NO:	NAME:
NO:	NAME:
NO:	NAME:

FINANCING

POSSIBILITIES OF FINANCING:

1: FEDERAL GOVERNMENT		2: STATE GOVERNMENT	
3: LOCAL GOVERNMENT		4: STATUTORY BODIES	✓
5: PUBLIC FUNDS		6: PRIVATE DOMESTIC SAVINGS	
7: PRIVATE FOREIGN LOANS		8: PUBLIC FOREIGN LOANS	

REFERENCES

REFERENCES:

1: Supporting Report 5
2: Supporting Report 6, Part III
3:
4:
5:

IDENTIFICATION

PROJECT NUMBER: 97 SECTOR: PUBLIC UTILITIES

DEPARTMENT: PLANNING: / IMPLEMENTATION: / BUGET: } SESCO

NAME OF PROJECT: Electricity - Miri

CONTENTS

DESCRIPTION: Total installed capacity - 9.7 Megawatts
2 more 5.0 Megawatts to be installed during the period
The project is only specified for the Action Programme period.
2 Sets of 5.0 Megawatts driven by gas

COSTS AND REVENUES (1973 PRICES)

TOTAL INVESTMENT COSTS: $10 300 000 INVESTMENT PERIOD: 1975 to 1980

INVESTMENT YEAR BY YEAR: 1975

1: $2 250 000	2: $2 350 000	3: $2 350 000	4: $2 350 000	5: $500 000
6: $500 000	7:	8:	9:	10:

OPERATING COSTS YEAR BY YEAR: 1975

1: $1 720 000	2: $2 250 000	3: $2 650 000	4: $3 400 000	5: $4 300 000
6: $5 300 000	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

REVENUES YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

SHORT DESCRIPTION OF POSSIBLE ECONOMIES OF SCALE CONCERNING INVESTMENT AND OPERATION COSTS

UNIT (OR ITEM) COSTS AND UNIT (OR ITEM) REVENUES:

	$
2 Sets of 5.0 Megawatts generators	7 000 000
Distribution system per annum	500 000
Building	200 000

DERIVED EFFECTS OF IMPLEMENTING THE PROJECT

MAIN EFFECTS ON THE ENVIRONMENT: Serves a population of 36 000 by 1980

EMPLOYMENT:

YEAR	CONSTRUCTION				OPERATION			
	PROFESSIONALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL	PROFESSIONALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL
1								38
2								38
3								38
4								38
5								38
6								38
7								
8								
9								
10								

INPUT OTHER THAN LABOUR: CONSTRUCTION (C), OPERATION (O)

YEARLY PRODUCTION: From 23 000 Megawatts per year in 1975
to 75 000 Megawatts per year in 1980

NET REQUIREMENTS OF FOREIGN EXCHANGE YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

LINKS

LINKS TO OTHER PROJECTS AND DEVELOPMENT PACKAGES

NO: 1	NAME: Miri Town Development
NO:	NAME:
NO:	NAME:
NO:	NAME:
NO:	NAME:
NO:	NAME:
NO:	NAME:

FINANCING

POSSIBILITIES OF FINANCING:

1: FEDERAL GOVERNMENT		2: STATE GOVERNMENT	✓
3: LOCAL GOVERNMENT		4: STATUTORY BODIES	
5: PUBLIC FUNDS		6: PRIVATE DOMESTIC SAVINGS	
7: PRIVATE FOREIGN LOANS		8: PUBLIC FOREIGN LOANS	

REFERENCES

REFERENCES:

1: Supporting Report 5
2: Supporting Report 6, Part III
3:
4:
5:

IDENTIFICATION

PROJECT NUMBER: 98 SECTOR: PUBLIC UTILITIES

DEPARTMENT: PLANNING: / IMPLEMENTATION: / BUGET: } SESCO

NAME OF PROJECT: Electricity - Bintulu

CONTENTS

DESCRIPTION: 3 Sets of 1 000 kW to be installed
The project is only specified for the Action Programme period.

COSTS AND REVENUES (1973 PRICES)

TOTAL INVESTMENT COSTS: $4 020 000 INVESTMENT PERIOD: 1975 to 1980

INVESTMENT YEAR BY YEAR: 1975 +

1: $670 000	2: $670 000	3: $670 000	4: $670 000	5: $670 000
6: $670 000	7:	8:	9:	10:

OPERATING COSTS YEAR BY YEAR: 1975

1: $450 000	2: $540 000	3: $600 000	4: $740 000	5: $930 000
6: $1 260 000	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

REVENUES YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

SHORT DESCRIPTION OF POSSIBLE ECONOMIES OF SCALE CONCERNING INVESTMENT AND OPERATION COSTS

UNIT (OR ITEM) COSTS AND UNIT (OR ITEM) REVENUES:

3 Sets of 1 000 kW at $475 000 - $1 425 000
Rate of supply - $0.14 per kWh
Rate of operation - $0.07 per kWh

DERIVED EFFECTS OF IMPLEMENTING THE PROJECT

MAIN EFFECTS ON THE ENVIRONMENT: Serves the population of Bintulu (14 000 by 1980) and the surrounding sawmills and industrial complexes

EMPLOYMENT:

YEAR	CONSTRUCTION				OPERATION			
	PROFESSIONALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL	PROFESSIONALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL
1								16
2								16
3								16
4								16
5								16
6								16
7								
8								
9								
10								

INPUT OTHER THAN LABOUR: CONSTRUCTION (C), OPERATION (O)

YEARLY PRODUCTION: From 3 600 kW

NET REQUIREMENTS OF FOREIGN EXCHANGE YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

LINKS

LINKS TO OTHER PROJECTS AND DEVELOPMENT PACKAGES

NO: 2 NAME: Bintulu Town Development
NO: NAME:
NO: NAME:
NO: NAME:
NO: NAME:
NO: NAME:
NO: NAME:

FINANCING

POSSIBILITIES OF FINANCING:

1: FEDERAL GOVERNMENT	☐	2: STATE GOVERNMENT	☐
3: LOCAL GOVERNMENT	☐	4: STATUTORY BODIES	✓
5: PUBLIC FUNDS	☐	6: PRIVATE DOMESTIC SAVINGS	☐
7: PRIVATE FOREIGN LOANS	☐	8: PUBLIC FOREIGN LOANS	☐

REFERENCES

REFERENCES:

1: Supporting Report 5
2: Supporting Report 6, Part III
3:
4:
5:

IDENTIFICATION

PROJECT NUMBER: 99 SECTOR: PUBLIC UTILITIES

DEPARTMENT: PLANNING: / IMPLEMENTATION: / BUGET: SESCO

NAME OF PROJECT: Electricity - Marudi

CONTENTS

DESCRIPTION: Total capacity to be 660 kW
The project is only specified for the Action Programme period.
1 Set 250 kW

COSTS AND REVENUES (1973 PRICES)

TOTAL INVESTMENT COSTS: $660 000 INVESTMENT PERIOD: 1975 to 1980

INVESTMENT YEAR BY YEAR: 1975 +

1: $230 000	2: $230 000	3: $50 000	4: $50 000	5: $50 000
6: $50 000	7:	8:	9:	10:

OPERATING COSTS YEAR BY YEAR: 1975

1: $120 000	2: $176 000	3: $134 000	4: $192 000	5: $149 000
6: $224 000	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

REVENUES YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

SHORT DESCRIPTION OF POSSIBLE ECONOMIES OF SCALE CONCERNING INVESTMENT AND OPERATION COSTS

UNIT (OR ITEM) COSTS AND UNIT (OR ITEM) REVENUES:

	$
1 Set 250 kW	145 000
Miscellaneous extension per annum	50 000

DERIVED EFFECTS OF IMPLEMENTING THE PROJECT

MAIN EFFECTS ON THE ENVIRONMENT: Serves a total population of 5 000

EMPLOYMENT:

YEAR	CONSTRUCTION				OPERATION			
	PROFESSIO-NALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL	PROFESSIO-NALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL
1								
2								2
3								2
4								2
5								2
6								2
7								2
8								
9								
10								

INPUT OTHER THAN LABOUR: CONSTRUCTION (C), OPERATION (O)

YEARLY PRODUCTION: From 750 kWh per year in 1975
to 1 400 kWh per year in 1980

NET REQUIREMENTS OF FOREIGN EXCHANGE YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

LINKS

LINKS TO OTHER PROJECTS AND DEVELOPMENT PACKAGES

NO: 3	NAME: Marudi Town Development
NO:	NAME:
NO:	NAME:
NO:	NAME:
NO:	NAME:
NO:	NAME:
NO:	NAME:

FINANCING

POSSIBILITIES OF FINANCING:

1: FEDERAL GOVERNMENT		2: STATE GOVERNMENT	
3: LOCAL GOVERNMENT		4: STATUTORY BODIES	✓
5: PUBLIC FUNDS		6: PRIVATE DOMESTIC SAVINGS	
7: PRIVATE FOREIGN LOANS		8: PUBLIC FOREIGN LOANS	

REFERENCES

REFERENCES:

1: Supporting Report 5
2: Supporting Report 6, Part III
3:
4:
5:

IDENTIFICATION

PROJECT NUMBER: 100 SECTOR: PUBLIC UTILITIES

DEPARTMENT: PLANNING: / IMPLEMENTATION: / BUGET: } SESCO

NAME OF PROJECT: Electricity – Batu Niah

CONTENTS

DESCRIPTION: Total capacity to be 320 kW (260 new)
The project is only specified for the Action Programme period.

COSTS AND REVENUES (1973 PRICES)

TOTAL INVESTMENT COSTS: $475 000 INVESTMENT PERIOD: 1975 to 1979

INVESTMENT YEAR BY YEAR: 1975 +

1: $115 000	2:	3: $180 000	4:	5: $180 000
6:	7:	8:	9:	10:

OPERATING COSTS YEAR BY YEAR: 1975

1: $26 000	2: $32 000	3: $42 000	4: $56 000	5: $70 000
6: $88 000	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

REVENUES YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

SHORT DESCRIPTION OF POSSIBLE ECONOMIES OF SCALE CONCERNING INVESTMENT AND OPERATION COSTS

UNIT (OR ITEM) COSTS AND UNIT (OR ITEM) REVENUES:

	$
60 kW set	41 000
100 kW set	65 000

DERIVED EFFECTS OF IMPLEMENTING THE PROJECT

MAIN EFFECTS ON THE ENVIRONMENT: Serves Batu Niah Bazaar and surrounding areas

EMPLOYMENT:

YEAR	CONSTRUCTION				OPERATION			
	PROFESSIO-NALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL	PROFESSIO-NALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL
1								2
2								2
3								2
4								2
5								2
6								2
7								
8								
9								
10								

INPUT OTHER THAN LABOUR: CONSTRUCTION (C), OPERATION (O)

YEARLY PRODUCTION: From 170 Mwh per year in 1975
to 700 Mwh per year in 1980

NET REQUIREMENTS OF FOREIGN EXCHANGE YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

LINKS

LINKS TO OTHER PROJECTS AND DEVELOPMENT PACKAGES

NO: 5	NAME: Batu Niah Town Development
NO:	NAME:
NO:	NAME:
NO:	NAME:
NO:	NAME:
NO:	NAME:
NO:	NAME:

FINANCING

POSSIBILITIES OF FINANCING:

1: FEDERAL GOVERNMENT		2: STATE GOVERNMENT	
3: LOCAL GOVERNMENT		4: STATUTORY BODIES	✓
5: PUBLIC FUNDS		6: PRIVATE DOMESTIC SAVINGS	
7: PRIVATE FOREIGN LOANS		8: PUBLIC FOREIGN LOANS	

REFERENCES

REFERENCES:

1: Supporting Report 5
2: Supporting Report 6, Part III
3:
4:
5:

IDENTIFICATION

PROJECT NUMBER: 101 SECTOR: PUBLIC UTILITIES

DEPARTMENT — PLANNING: / IMPLEMENTATION: / BUGET: } TELECOMS

NAME OF PROJECT: Telecommunications - Miri

CONTENTS

DESCRIPTION: 3 200 lines

The project is only specified for the Action Programme period.

Exchange equipment
1 Class II quarters
5 Class IV quarters
1 Class III quarters
VHF

COSTS AND REVENUES (1973 PRICES)

TOTAL INVESTMENT COSTS: $2 916 000 INVESTMENT PERIOD: 1975 to 1980

INVESTMENT YEAR BY YEAR: 1975 +

1: $1 780 000	2: $100 000	3: $51 000	4: $139 000	5: $797 000
6: $49 000	7:	8:	9:	10:

OPERATING COSTS YEAR BY YEAR: 1975

1: $1 340 000	2: $1 340 000	3: $1 340 000	4: $1 340 000	5: $1 340 000
6: $1 550 000	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

REVENUES YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

SHORT DESCRIPTION OF POSSIBLE ECONOMIES OF SCALE CONCERNING INVESTMENT AND OPERATION COSTS

UNIT (OR ITEM) COSTS AND UNIT (OR ITEM) REVENUES:

	$
Exchange equipment	1 500 000
External lines	262 000
1 Class II quarters	60 000
1 Class III quarters	30 000
5 Class IV quarters	100 000
VHF	150 000

DERIVED EFFECTS OF IMPLEMENTING THE PROJECT

MAIN EFFECTS ON THE ENVIRONMENT: Serves Miri and Lutong population

EMPLOYMENT:

YEAR	CONSTRUCTION				OPERATION			
	PROFESSIONALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL	PROFESSIONALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL
1								
2								24
3								24
4								24
5								24
6								24
7								24
8								
9								
10								

INPUT OTHER THAN LABOUR: CONSTRUCTION (C), OPERATION (O)

YEARLY PRODUCTION:

NET REQUIREMENTS OF FOREIGN EXCHANGE YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

LINKS

LINKS TO OTHER PROJECTS AND DEVELOPMENT PACKAGES

NO: 1	NAME: Miri Town Development
NO:	NAME:
NO:	NAME:
NO:	NAME:
NO:	NAME:
NO:	NAME:
NO:	NAME:

FINANCING

POSSIBILITIES OF FINANCING:

1: FEDERAL GOVERNMENT		2: STATE GOVERNMENT	✓
3: LOCAL GOVERNMENT		4: STATUTORY BODIES	
5: PUBLIC FUNDS		6: PRIVATE DOMESTIC SAVINGS	
7: PRIVATE FOREIGN LOANS		8: PUBLIC FOREIGN LOANS	

REFERENCES

REFERENCES:

1: Supporting Report 5
2: Supporting Report 6, Part III
3:
4:
5:

IDENTIFICATION

PROJECT NUMBER: 102 SECTOR: PUBLIC UTILITIES

DEPARTMENT: PLANNING: / IMPLEMENTATION: / BUGET: } TELECOMS

NAME OF PROJECT: Telecommunications - Bintulu

CONTENTS

DESCRIPTION: 900 lines

The project is only specified for the Action Programme period.

Building for station and office
Exchange equipment
VHF (very high frequency)
Transport and maintenance equipment
1 Class II quarters
2 Class IV quarters
8 Class IV quarters

COSTS AND REVENUES (1973 PRICES)

TOTAL INVESTMENT COSTS: $2 487 000 INVESTMENT PERIOD: 1975 to 1980

INVESTMENT YEAR BY YEAR: 1975 +

1: $35 000	2: $11 000	3: $1 391 000	4: $74 000	5: $202 000
6: $774 000	7:	8:	9:	10:

OPERATING COSTS YEAR BY YEAR: 1975

1: $210 000	2: $350 000	3: $350 000	4: $350 000	5: $500 000
6: $650 000	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

REVENUES YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

SHORT DESCRIPTION OF POSSIBLE ECONOMIES OF SCALE CONCERNING INVESTMENT AND OPERATION COSTS

UNIT (OR ITEM) COSTS AND UNIT (OR ITEM) REVENUES:

	$
Building	400 000
Exchange equipment	750 000
VHF	150 000
Transport and maintenance equipment	55 000
1 Class II quarters	60 000
2 Class IV quarters	60 000
8 Class IV quarters	160 000

DERIVED EFFECTS OF IMPLEMENTING THE PROJECT

MAIN EFFECTS ON THE ENVIRONMENT: Serves a total population of 14 000 by 1980

EMPLOYMENT:

YEAR	CONSTRUCTION				OPERATION			
	PROFESSIO-NALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL	PROFESSIO-NALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL
1								10
2								10
3								10
4								10
5								10
6								10
7								
8								
9								
10								

INPUT OTHER THAN LABOUR: CONSTRUCTION (C), OPERATION (O)

YEARLY PRODUCTION:

NET REQUIREMENTS OF FOREIGN EXCHANGE YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

LINKS

LINKS TO OTHER PROJECTS AND DEVELOPMENT PACKAGES

NO: 2	NAME: Bintulu Town Development
NO:	NAME:
NO:	NAME:
NO:	NAME:
NO:	NAME:
NO:	NAME:
NO:	NAME:

FINANCING

POSSIBILITIES OF FINANCING:

1: FEDERAL GOVERNMENT		2: STATE GOVERNMENT	✓
3: LOCAL GOVERNMENT		4: STATUTORY BODIES	
5: PUBLIC FUNDS		6: PRIVATE DOMESTIC SAVINGS	
7: PRIVATE FOREIGN LOANS		8: PUBLIC FOREIGN LOANS	

REFERENCES

REFERENCES:

1: Supporting Report 5
2: Supporting Report 6, Part III
3:
4:
5:

IDENTIFICATION

PROJECT NUMBER: 103 SECTOR: PUBLIC UTILITIES

DEPARTMENT: PLANNING: / IMPLEMENTATION: / BUGET: } TELECOMS

NAME OF PROJECT: Telecommunications - Marudi

CONTENTS

DESCRIPTION: 200 lines

The project is only specified for the Action Programme period.

Building for station and office
Exchange equipment
Transport and maintenance equipment
VHF
1 Class III quarters
1 Class IV quarters

COSTS AND REVENUES (1973 PRICES)

TOTAL INVESTMENT COSTS: $540 000 INVESTMENT PERIOD: 1975 to 1980

INVESTMENT YEAR BY YEAR: 1975

1: $1 000	2: $11 000	3: $32 000	4: $332 000	5: $152 000
6: $12 000	7:	8:	9:	10:

OPERATING COSTS YEAR BY YEAR: 1975

1: $90 000	2: $90 000	3: $90 000	4: $90 000	5: $90 000
6: $125 000	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

REVENUES YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

SHORT DESCRIPTION OF POSSIBLE ECONOMIES OF SCALE CONCERNING INVESTMENT AND OPERATION COSTS

UNIT (OR ITEM) COSTS AND UNIT (OR ITEM) REVENUES:

	$
Building	100 000
Exchange equipment	200 000
External lines	10 000
Transport and maintenance equipment	30 000
VHF	150 000
1 Class III quarters	30 000
1 Class IV quarters	20 000

DERIVED EFFECTS OF IMPLEMENTING THE PROJECT

MAIN EFFECTS ON THE ENVIRONMENT: Serves a total population of 5 000 by 1980

EMPLOYMENT:

YEAR	CONSTRUCTION				OPERATION			
	PROFESSIONALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL	PROFESSIONALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL
1								8
2								8
3								8
4								8
5								8
6								8
7								
8								
9								
10								

INPUT OTHER THAN LABOUR: CONSTRUCTION (C), OPERATION (O)

YEARLY PRODUCTION:

NET REQUIREMENTS OF FOREIGN EXCHANGE YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

LINKS

LINKS TO OTHER PROJECTS AND DEVELOPMENT PACKAGES

NO: 3	NAME: Marudi Town Development
NO:	NAME:
NO:	NAME:
NO:	NAME:
NO:	NAME:
NO:	NAME:
NO:	NAME:

FINANCING

POSSIBILITIES OF FINANCING:

1: FEDERAL GOVERNMENT		2: STATE GOVERNMENT	✓
3: LOCAL GOVERNMENT		4: STATUTORY BODIES	
5: PUBLIC FUNDS		6: PRIVATE DOMESTIC SAVINGS	
7: PRIVATE FOREIGN LOANS		8: PUBLIC FOREIGN LOANS	

REFERENCES

REFERENCES:

1: Supporting Report 5
2: Supporting Report 6, Part III
3:
4:
5:

IDENTIFICATION

PROJECT NUMBER: 104 SECTOR: PUBLIC UTILITIES

DEPARTMENT — PLANNING: / IMPLEMENTATION: / BUGET: — TELECOMS

NAME OF PROJECT: Telecommunications - Batu Niah

CONTENTS

DESCRIPTION: 75 lines

The project is only specified for the Action Programme period.

Building for station and office
Exchange equipment
VHF
Transport and maintenance equipment
4 Class IV quarters

COSTS AND REVENUES (1975 PRICES)

TOTAL INVESTMENT COSTS: $311 000 INVESTMENT PERIOD: 1975 to 1980

INVESTMENT YEAR BY YEAR:

1: $306 000	2: $1 000	3: $1 000	4: $1 000	5: $1 000
6: $1 000	7:	8:	9:	10:

OPERATING COSTS YEAR BY YEAR: 1975

1: $30 000	2: $30 000	3: $53 000	4: $53 000	5: $53 000
6: $53 000	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

REVENUES YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

SHORT DESCRIPTION OF POSSIBLE ECONOMIES OF SCALE CONCERNING INVESTMENT AND OPERATION COSTS

UNIT (OR ITEM) COSTS AND UNIT (OR ITEM) REVENUES:

	$
Building	50 000
Exchange equipment	100 000
External lines	6 000
VHF	40 000
Transport and maintenance equipment	35 000
4 Class IV quarters	80 000

DERIVED EFFECTS OF IMPLEMENTING THE PROJECT

MAIN EFFECTS ON THE ENVIRONMENT: Serves a total population of 2 000 by 1980

EMPLOYMENT:

YEAR	CONSTRUCTION				OPERATION			
	PROFESSIONALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL	PROFESSIONALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL
1								4
2								4
3								4
4								4
5								4
6								4
7								
8								
9								
10								

INPUT OTHER THAN LABOUR: CONSTRUCTION (C), OPERATION (O)

YEARLY PRODUCTION:

NET REQUIREMENTS OF FOREIGN EXCHANGE YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

LINKS

LINKS TO OTHER PROJECTS AND DEVELOPMENT PACKAGES

NO: 5	NAME: Batu Niah Town Development
NO:	NAME:
NO:	NAME:
NO:	NAME:
NO:	NAME:
NO:	NAME:
NO:	NAME:

FINANCING

POSSIBILITIES OF FINANCING:

1: FEDERAL GOVERNMENT	☐	2: STATE GOVERNMENT	☑
3: LOCAL GOVERNMENT	☐	4: STATUTORY BODIES	☐
5: PUBLIC FUNDS	☐	6: PRIVATE DOMESTIC SAVINGS	☐
7: PRIVATE FOREIGN LOANS	☐	8: PUBLIC FOREIGN LOANS	☐

REFERENCES

REFERENCES:

1: Supporting Report 5
2: Supporting Report 6, Part III
3:
4:
5:

IDENTIFICATION

PROJECT NUMBER: 105 SECTOR: PUBLIC UTILITIES

DEPARTMENT: PLANNING: / IMPLEMENTATION: / BUGET: TELECOMS

NAME OF PROJECT: Telecommunications - Niah

CONTENTS

DESCRIPTION: Between 25 and 50 lines

The project is only specified for the Action Programme period.

Building for station and office
Transport and maintenance equipment
Exchange equipment
VHF
1 Class IV quarters

COSTS AND REVENUES (1973 PRICES)

TOTAL INVESTMENT COSTS: $164 000 INVESTMENT PERIOD: 1975 to 1980

INVESTMENT YEAR BY YEAR:

1: $141 000	2:	3: $1 000	4: $20 000	5: $1 000
6: $1 000	7:	8:	9:	10:

OPERATING COSTS YEAR BY YEAR:

1: $19 000	2: $19 000	3: $19 000	4: $19 000	5: $19 000
6: $19 000	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

REVENUES YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

SHORT DESCRIPTION OF POSSIBLE ECONOMIES OF SCALE CONCERNING INVESTMENT AND OPERATION COSTS

UNIT (OR ITEM) COSTS AND UNIT (OR ITEM) REVENUES:

	$
Building	30 000
External lines	4 000
Transport and maintenance equipment	20 000
Exchange equipment	50 000
VHF	40 000
1 Class IV quarters	20 000

DERIVED EFFECTS OF IMPLEMENTING THE PROJECT

MAIN EFFECTS ON THE ENVIRONMENT: Serves a population of 1 300 by 1980

EMPLOYMENT:

YEAR	CONSTRUCTION				OPERATION			
	PROFESSIO-NALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL	PROFESSIO-NALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL
1								2
2								2
3								2
4								2
5								2
6								2
7								
8								
9								
10								

INPUT OTHER THAN LABOUR: CONSTRUCTION (C), OPERATION (O)

YEARLY PRODUCTION:

NET REQUIREMENTS OF FOREIGN EXCHANGE YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

LINKS

LINKS TO OTHER PROJECTS AND DEVELOPMENT PACKAGES

NO: 8	NAME: Niah Town Development
NO:	NAME:
NO:	NAME:
NO:	NAME:
NO:	NAME:
NO:	NAME:
NO:	NAME:

FINANCING

POSSIBILITIES OF FINANCING:

1: FEDERAL GOVERNMENT		2: STATE GOVERNMENT	✓
3: LOCAL GOVERNMENT		4: STATUTORY BODIES	
5: PUBLIC FUNDS		6: PRIVATE DOMESTIC SAVINGS	
7: PRIVATE FOREIGN LOANS		8: PUBLIC FOREIGN LOANS	

REFERENCES

REFERENCES:

1: Supporting Report 5
2: Supporting Report 6, Part III
3:
4:
5:

IDENTIFICATION

PROJECT NUMBER: 106 SECTOR: PRIVATE SERVICES

DEPARTMENT
PLANNING: SEDC/PRIVATE
IMPLEMENTATION: SEDC/PRIVATE
BUGET: SEDC/PRIVATE

NAME OF PROJECT: Shops and coffee-shops

CONTENTS

DESCRIPTION: The model assumes that private services includes a mixture of retail (capital and consumer goods) and others (e.g. coffee-shops, beauty saloons, barber).

This project cost is based on a 1 unit enterprise.

COSTS AND REVENUES (1973 PRICES)

TOTAL INVESTMENT COSTS: $60 000/unit INVESTMENT PERIOD:

INVESTMENT YEAR BY YEAR:

1: $60 000/unit	2:	3:	4:	5:
6:	7:	8:	9:	10:

OPERATING COSTS YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

REVENUES YEAR BY YEAR: $'000/unit

1:	2: $21	3: $23	4: $25	5: $25
6: $25	7: $25	8: $25	9: $25	10: $25
11: $25	12: $25	13: $25	14: $25	15: $25
16: $25	17: $25	18: $25	19: $25	20: $25

SHORT DESCRIPTION OF POSSIBLE ECONOMIES OF SCALE CONCERNING INVESTMENT AND OPERATION COSTS

UNIT (OR ITEM) COSTS AND UNIT (OR ITEM) REVENUES:

	$
Building	40 000
Working capital (retail)	20 000
Other services	5 000

DERIVED EFFECTS OF IMPLEMENTING THE PROJECT

MAIN EFFECTS ON THE ENVIRONMENT:

EMPLOYMENT:

YEAR	CONSTRUCTION				OPERATION			
	PROFESSIO-NALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL	PROFESSIO-NALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL
1								
2								2/unit
3								
4								
5								
6								
7								
8								
9								
10								

INPUT OTHER THAN LABOUR: CONSTRUCTION (C), OPERATION (O)

YEARLY PRODUCTION:

NET REQUIREMENTS OF FOREIGN EXCHANGE YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

LINKS

LINKS TO OTHER PROJECTS AND DEVELOPMENT PACKAGES

NO: NAME:
NO: NAME:
NO: NAME:
NO: NAME:
NO: NAME:
NO: NAME:
NO: NAME:

FINANCING

POSSIBILITIES OF FINANCING:

1: FEDERAL GOVERNMENT		2: STATE GOVERNMENT	
3: LOCAL GOVERNMENT		4: STATUTORY BODIES	✓
5: PUBLIC FUNDS		6: PRIVATE DOMESTIC SAVINGS	✓
7: PRIVATE FOREIGN LOANS		8: PUBLIC FOREIGN LOANS	

REFERENCES

REFERENCES:

1: Supporting Report 6, Part IV
2:
3:
4:
5:

IDENTIFICATION

PROJECT NUMBER: 107 SECTOR: PRIVATE SERVICES

DEPARTMENT: PLANNING: / IMPLEMENTATION: / BUGET: } SEDC/PRIVATE

NAME OF PROJECT: Retail services

CONTENTS

DESCRIPTION: Retail services include both the retail of consumer and capital goods. This keeps in mind the requirements of Miri and Bintulu. This analysis assumes the income and cost flow of a basic unit.

COSTS AND REVENUES (1973 PRICES)

TOTAL INVESTMENT COSTS: $114 200 INVESTMENT PERIOD: 2 years

INVESTMENT YEAR BY YEAR: $'000

1: $68	2: $46	3:	4:	5:
6:	7:	8:	9:	10:

OPERATING COSTS YEAR BY YEAR: $'000

1:	2: $47	3: $49	4: $51	5: $53
6: $53	7: $53	8: $53	9: $53	10: $53
11: $53	12: $53	13: $53	14: $53	15: $53
16: $53	17: $53	18: $53	19: $53	20: $53

REVENUES YEAR BY YEAR: $'000

1:	2: $51	3: $56	4: $61	5: $67
6: $67	7: $67	8: $67	9: $67	10: $67
11: $67	12: $67	13: $67	14: $67	15: $67
16: $67	17: $67	18: $67	19: $67	20: $67

SHORT DESCRIPTION OF POSSIBLE ECONOMIES OF SCALE CONCERNING INVESTMENT AND OPERATION COSTS

Increased volume of sales with reduce costs of sales per employee.

UNIT (OR ITEM) COSTS AND UNIT (OR ITEM) REVENUES:

	$
Per unit consumer retail services	110 000
Per unit capital retail services	140 000
Per worker per month	900

DERIVED EFFECTS OF IMPLEMENTING THE PROJECT

MAIN EFFECTS ON THE ENVIRONMENT:

EMPLOYMENT: /UNIT

YEAR	CONSTRUCTION				OPERATION			
	PROFESSIO-NALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL	PROFESSIO-NALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL
1								
2								
3								2.5
4								
5								
6								
7								
8								
9								
10								

INPUT OTHER THAN LABOUR: CONSTRUCTION (C), OPERATION (O)

YEARLY PRODUCTION:

NET REQUIREMENTS OF FOREIGN EXCHANGE YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

LINKS

LINKS TO OTHER PROJECTS AND DEVELOPMENT PACKAGES

NO: NAME:
NO: NAME:
NO: NAME:
NO: NAME:
NO: NAME:
NO: NAME:
NO: NAME:

FINANCING

POSSIBILITIES OF FINANCING:

1: FEDERAL GOVERNMENT		2: STATE GOVERNMENT	
3: LOCAL GOVERNMENT		4: STATUTORY BODIES	✓
5: PUBLIC FUNDS		6: PRIVATE DOMESTIC SAVINGS	✓
7: PRIVATE FOREIGN LOANS		8: PUBLIC FOREIGN LOANS	

REFERENCES

REFERENCES:

1: Supporting Report 6, Part IV
2:
3:
4:
5:

IDENTIFICATION

PROJECT NUMBER: 108 SECTOR: PRIVATE SERVICES

DEPARTMENT — PLANNING: / IMPLEMENTATION: / BUGET: } SSDC/PRIVATE

NAME OF PROJECT: Wholesale services

CONTENTS

DESCRIPTION: With Miri and Bintulu in mind.
This is an example of a basic unit.

COSTS AND REVENUES (1973 PRICES)

TOTAL INVESTMENT COSTS: $200 000 INVESTMENT PERIOD:

INVESTMENT YEAR BY YEAR: $'000

1: $70	2: $130	3:	4:	5:
6:	7:	8:	9:	10:

OPERATING COSTS YEAR BY YEAR: $'000

1:	2: $130	3: $136	4: $142	5: $149
6: $149	7: $149	8: $149	9: $149	10: $149
11: $149	12: $149	13: $149	14: $149	15: $149
16: $149	17: $149	18: $149	19: $149	20: $149

REVENUES YEAR BY YEAR: $'000

1:	2: $143	3: $157	4: $172	5: $189
6: $189	7: $189	8: $189	9: $189	10: $189
11: $189	12: $189	13: $189	14: $189	15: $189
16: $189	17: $189	18: $189	19: $189	20: $189

SHORT DESCRIPTION OF POSSIBLE ECONOMIES OF SCALE CONCERNING INVESTMENT AND OPERATION COSTS

With greater volume of business, costs of sale per employee will be reduced.

UNIT (OR ITEM) COSTS AND UNIT (OR ITEM) REVENUES:

	$
Building	70 000
Working capital	130 000

DERIVED EFFECTS OF IMPLEMENTING THE PROJECT

MAIN EFFECTS ON THE ENVIRONMENT:

EMPLOYMENT: /UNIT

YEAR	CONSTRUCTION				OPERATION			
	PROFESSIO-NALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL	PROFESSIO-NALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL
1								
2								8
3								
4								
5								
6								
7								
8								
9								
10								

INPUT OTHER THAN LABOUR: CONSTRUCTION (C), OPERATION (O)

YEARLY PRODUCTION:

NET REQUIREMENTS OF FOREIGN EXCHANGE YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

LINKS

LINKS TO OTHER PROJECTS AND DEVELOPMENT PACKAGES

NO: NAME:
NO: NAME:
NO: NAME:
NO: NAME:
NO: NAME:
NO: NAME:
NO: NAME:

FINANCING

POSSIBILITIES OF FINANCING:

1: FEDERAL GOVERNMENT		2: STATE GOVERNMENT	
3: LOCAL GOVERNMENT		4: STATUTORY BODIES	✓
5: PUBLIC FUNDS		6: PRIVATE DOMESTIC SAVINGS	✓
7: PRIVATE FOREIGN LOANS		8: PUBLIC FOREIGN LOANS	

REFERENCES

REFERENCES:

1: Supporting Report 6, Part IV
2:
3:
4:
5:

IDENTIFICATION

PROJECT NUMBER: 109 SECTOR: PRIVATE SERVICES

DEPARTMENT: PLANNING: / IMPLEMENTATION: / BUGET: } PRIVATE

NAME OF PROJECT: Specialised private services

CONTENTS

DESCRIPTION: Consists of such services as legal, accounting, medical, dental and the like. It is expected to be found only in Miri and Bintulu in the Action Programme period.

COSTS AND REVENUES (1973 PRICES)

TOTAL INVESTMENT COSTS: $45 000 INVESTMENT PERIOD:

INVESTMENT YEAR BY YEAR:

1: $20 000	2: $5 000	3:	4:	5:
6:	7:	8:	9:	10:

OPERATING COSTS YEAR BY YEAR: $'000

1:	2: $25	3: $26	4: $27	5: $28
6: $28	7: $28	8: $28	9: $28	10: $28
11: $28	12: $28	13: $28	14: $28	15: $28
16: $28	17: $28	18: $28	19: $28	20: $28

REVENUES YEAR BY YEAR: $'000

1:	2: $30	3: $36	4: $43	5: $51
6: $51	7: $51	8: $51	9: $51	10: $51
11: $51	12: $51	13: $51	14: $51	15: $51
16: $51	17: $51	18: $51	19: $51	20: $51

SHORT DESCRIPTION OF POSSIBLE ECONOMIES OF SCALE CONCERNING INVESTMENT AND OPERATION COSTS

UNIT (OR ITEM) COSTS AND UNIT (OR ITEM) REVENUES:

	$
Actual costs for office space	20 000
Working capital	25 000

DERIVED EFFECTS OF IMPLEMENTING THE PROJECT

MAIN EFFECTS ON THE ENVIRONMENT:

EMPLOYMENT:

YEAR	CONSTRUCTION				OPERATION			
	PROFESSIO-NALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL	PROFESSIO-NALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL
1								
2								
3								2
4								
5								
6								
7								
8								
9								
10								

INPUT OTHER THAN LABOUR: CONSTRUCTION (C), OPERATION (O)

YEARLY PRODUCTION:

NET REQUIREMENTS OF FOREIGN EXCHANGE YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

LINKS

LINKS TO OTHER PROJECTS AND DEVELOPMENT PACKAGES

NO: NAME:
NO: NAME:
NO: NAME:
NO: NAME:
NO: NAME:
NO: NAME:
NO: NAME:

FINANCING

POSSIBILITIES OF FINANCING:

1: FEDERAL GOVERNMENT		2: STATE GOVERNMENT	
3: LOCAL GOVERNMENT		4: STATUTORY BODIES	✓
5: PUBLIC FUNDS		6: PRIVATE DOMESTIC SAVINGS	✓
7: PRIVATE FOREIGN LOANS		8: PUBLIC FOREIGN LOANS	

REFERENCES

REFERENCES:

1: Supporting Report 6, Part IV
2:
3:
4:
5:

IDENTIFICATION

PROJECT NUMBER: 110 SECTOR: PRIVATE SERVICES

DEPARTMENT: PLANNING: / IMPLEMENTATION: / BUGET: } PRIVATE

NAME OF PROJECT: Other private services

CONTENTS

DESCRIPTION: The above consists of coffee-shops, barbers, beauty saloon and the like. It is expected to be found only in Miri and Bintulu.

COSTS AND REVENUES (1973 PRICES)

TOTAL INVESTMENT COSTS: $85 000 INVESTMENT PERIOD:

INVESTMENT YEAR BY YEAR: $'000

1: $20	2: $65	3:	4:	5:
6:	7:	8:	9:	10:

OPERATING COSTS YEAR BY YEAR: $'000

1:	2: $65	3: $68	4: $71	5: $74
6: $74	7: $74	8: $74	9: $74	10: $74
11: $74	12: $74	13: $74	14: $74	15: $74
16: $74	17: $74	18: $74	19: $74	20: $74

REVENUES YEAR BY YEAR: $'000

1:	2: $74	3: $81	4: $89	5: $97
6: $97	7: $97	8: $97	9: $97	10: $97
11: $97	12: $97	13: $97	14: $97	15: $97
16: $97	17: $97	18: $97	19: $97	20: $97

SHORT DESCRIPTION OF POSSIBLE ECONOMIES OF SCALE CONCERNING INVESTMENT AND OPERATION COSTS

The greater the volume of services rendered reduces costs per employee.

UNIT (OR ITEM) COSTS AND UNIT (OR ITEM) REVENUES:

	$
Per unit building (flats)	20 000
Working capital	65 000

DERIVED EFFECTS OF IMPLEMENTING THE PROJECT

MAIN EFFECTS ON THE ENVIRONMENT:

EMPLOYMENT:

YEAR	CONSTRUCTION				OPERATION			
	PROFESSIONALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL	PROFESSIONALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL
1								
2								3
3								
4								
5								
6								
7								
8								
9								
10								

INPUT OTHER THAN LABOUR: CONSTRUCTION (C), OPERATION (O)

YEARLY PRODUCTION:

NET REQUIREMENTS OF FOREIGN EXCHANGE YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

LINKS

LINKS TO OTHER PROJECTS AND DEVELOPMENT PACKAGES

NO:	NAME:
NO:	NAME:
NO:	NAME:
NO:	NAME:
NO:	NAME:
NO:	NAME:
NO:	NAME:

FINANCING

POSSIBILITIES OF FINANCING:

1: FEDERAL GOVERNMENT		2: STATE GOVERNMENT	
3: LOCAL GOVERNMENT		4: STATUTORY BODIES	✓
5: PUBLIC FUNDS		6: PRIVATE DOMESTIC SAVINGS	✓
7: PRIVATE FOREIGN LOANS		8: PUBLIC FOREIGN LOANS	

REFERENCES

REFERENCES:

1: Supporting Report 6, Part IV
2:
3:
4:
5:

IDENTIFICATION

PROJECT NUMBER: 111 SECTOR: INDUSTRIES

DEPARTMENT — PLANNING: / IMPLEMENTATION: / BUGET: — EDC

NAME OF PROJECT: Industrial estate – Miri

CONTENTS

DESCRIPTION: The industrial estates will consist of 50 units some tailor made otherwise built to certain specification. In the estates will be a variety of industries.

COSTS AND REVENUES (1973 PRICES)

TOTAL INVESTMENT COSTS: $2 500 000 INVESTMENT PERIOD: 1974 to 1975

INVESTMENT YEAR BY YEAR: $'000

1: $2 500	2:	3:	4:	5:
6:	7:	8:	9:	10:

OPERATING COSTS YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

REVENUES YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

SHORT DESCRIPTION OF POSSIBLE ECONOMIES OF SCALE CONCERNING INVESTMENT AND OPERATION COSTS

With a number of industries existing side by side, there will inevitably be economies of scale through mutual sharing of facilities.

UNIT (OR ITEM) COSTS AND UNIT (OR ITEM) REVENUES:

DERIVED EFFECTS OF IMPLEMENTING THE PROJECT

MAIN EFFECTS ON THE ENVIRONMENT:

EMPLOYMENT:

YEAR	CONSTRUCTION				OPERATION			
	PROFESSIO-NALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL	PROFESSIO-NALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL
1								
2								
3								100
4								300
5								300
6								300
7								300
8								
9								
10								

INPUT OTHER THAN LABOUR: CONSTRUCTION (C), OPERATION (O)

YEARLY PRODUCTION:

NET REQUIREMENTS OF FOREIGN EXCHANGE YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

LINKS

LINKS TO OTHER PROJECTS AND DEVELOPMENT PACKAGES

NO: 1	NAME: Miri Town Development
NO:	NAME:
NO:	NAME:
NO:	NAME:
NO:	NAME:
NO:	NAME:
NO:	NAME:

FINANCING

POSSIBILITIES OF FINANCING:

1: FEDERAL GOVERNMENT		2: STATE GOVERNMENT	
3: LOCAL GOVERNMENT		4: STATUTORY BODIES	✓
5: PUBLIC FUNDS		6: PRIVATE DOMESTIC SAVINGS	✓
7: PRIVATE FOREIGN LOANS		8: PUBLIC FOREIGN LOANS	

REFERENCES

REFERENCES:

1:
2:
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4:
5:

IDENTIFICATION

PROJECT NUMBER: 112 SECTOR: INDUSTRIES

DEPARTMENT: PLANNING: / IMPLEMENTATION: / BUGET: } PRIVATE

NAME OF PROJECT: Pre-fab housing plant

CONTENTS

DESCRIPTION: Expected production - 800 units per annum

COSTS AND REVENUES (1973 PRICES)

TOTAL INVESTMENT COSTS: $500 000 INVESTMENT PERIOD: 1975

INVESTMENT YEAR BY YEAR: $'000

1: $500	2:	3:	4:	5:
6:	7:	8:	9:	10:

OPERATING COSTS YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

REVENUES YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

SHORT DESCRIPTION OF POSSIBLE ECONOMIES OF SCALE CONCERNING INVESTMENT AND OPERATION COSTS

Greater production will result in economies of scale.

UNIT (OR ITEM) COSTS AND UNIT (OR ITEM) REVENUES:

DERIVED EFFECTS OF IMPLEMENTING THE PROJECT

MAIN EFFECTS ON THE ENVIRONMENT:

EMPLOYMENT:

YEAR	CONSTRUCTION				OPERATION			
	PROFESSIO-NALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL	PROFESSIO-NALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL
1								
2								100
3								100
4								100
5								100
6								100
7								
8								
9								
10								

INPUT OTHER THAN LABOUR: CONSTRUCTION (C), OPERATION (O)

YEARLY PRODUCTION:

NET REQUIREMENTS OF FOREIGN EXCHANGE YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

LINKS

LINKS TO OTHER PROJECTS AND DEVELOPMENT PACKAGES

NO: NAME:
NO: NAME:
NO: NAME:
NO: NAME:
NO: NAME:
NO: NAME:
NO: NAME:

FINANCING

POSSIBILITIES OF FINANCING:

1: FEDERAL GOVERNMENT	☐	2: STATE GOVERNMENT	☐
3: LOCAL GOVERNMENT	☐	4: STATUTORY BODIES	✓
5: PUBLIC FUNDS	☐	6: PRIVATE DOMESTIC SAVINGS	✓
7: PRIVATE FOREIGN LOANS	☐	8: PUBLIC FOREIGN LOANS	☐

REFERENCES

REFERENCES:

1: Supporting Report 8
2:
3:
4:
5:

IDENTIFICATION

PROJECT NUMBER: 113 SECTOR: INDUSTRIES

DEPARTMENT: PLANNING: / IMPLEMENTATION: / BUGET: — PRIVATE

NAME OF PROJECT: Timber impregnate plant

CONTENTS

DESCRIPTION: Expected production - 5 000 tons per annum

COSTS AND REVENUES (1973 PRICES)

TOTAL INVESTMENT COSTS: $300 000 INVESTMENT PERIOD: 1975

INVESTMENT YEAR BY YEAR: $'000

1: $300	2:	3:	4:	5:
6:	7:	8:	9:	10:

OPERATING COSTS YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

REVENUES YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

SHORT DESCRIPTION OF POSSIBLE ECONOMIES OF SCALE CONCERNING INVESTMENT AND OPERATION COSTS

With greater production economies of scale will result.

UNIT (OR ITEM) COSTS AND UNIT (OR ITEM) REVENUES:

DERIVED EFFECTS OF IMPLEMENTING THE PROJECT

MAIN EFFECTS ON THE ENVIRONMENT:

EMPLOYMENT:

YEAR	CONSTRUCTION				OPERATION			
	PROFESSIO-NALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL	PROFESSIO-NALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL
1								
2								
3								30
4								
5								
6								
7								
8								
9								
10								

INPUT OTHER THAN LABOUR: CONSTRUCTION (C), OPERATION (O)

YEARLY PRODUCTION:

NET REQUIREMENTS OF FOREIGN EXCHANGE YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

LINKS

LINKS TO OTHER PROJECTS AND DEVELOPMENT PACKAGES

NO: NAME:
NO: NAME:
NO: NAME:
NO: NAME:
NO: NAME:
NO: NAME:
NO: NAME:

FINANCING

POSSIBILITIES OF FINANCING:

1: FEDERAL GOVERNMENT		2: STATE GOVERNMENT	
3: LOCAL GOVERNMENT		4: STATUTORY BODIES	✓
5: PUBLIC FUNDS		6: PRIVATE DOMESTIC SAVINGS	✓
7: PRIVATE FOREIGN LOANS		8: PUBLIC FOREIGN LOANS	

REFERENCES

REFERENCES:

1: Supporting Report 8
2:
3:
4:
5:

IDENTIFICATION

PROJECT NUMBER: 114 SECTOR: INDUSTRIES

DEPARTMENT | PLANNING: SEDC | IMPLEMENTATION: PRIVATE | BUGET:

NAME OF PROJECT: Moulding factory and kiln drying

CONTENTS

DESCRIPTION: To be established in connection with wood based industry, to produce mouldings from sawn timber.

Moulding plant
Kiln dryer plant

COSTS AND REVENUES (1973 PRICES)

TOTAL INVESTMENT COSTS: $1 100 000 INVESTMENT PERIOD:

INVESTMENT YEAR BY YEAR: $'000

1: $1 000	2: $100	3:	4:	5:
6:	7:	8:	9:	10:

OPERATING COSTS YEAR BY YEAR: $'000

1:	2: $2 200	3: $7 400	4: $7 400	5: $7 400
6: $7 400	7: $7 400	8: $7 400	9: $7 400	10: $7 400
11: $7 400	12: $7 400	13: $7 400	14: $7 400	15: $7 400
16: $7 400	17: $7 400	18: $7 400	19: $7 400	20: $7 400

REVENUES YEAR BY YEAR: $'000

1:	2: $2 400	3: $8 200	4: $8 200	5: $8 200
6: $8 200	7: $8 200	8: $8 200	9: $8 200	10: $8 200
11: $8 200	12: $8 200	13: $8 200	14: $8 200	15: $8 200
16: $8 200	17: $8 200	18: $8 200	19: $8 200	20: $8 200

SHORT DESCRIPTION OF POSSIBLE ECONOMIES OF SCALE CONCERNING INVESTMENT AND OPERATION COSTS

Economies of scale can be obtained at different levels as costs increase proportionally with production.

UNIT (OR ITEM) COSTS AND UNIT (OR ITEM) REVENUES:

DERIVED EFFECTS OF IMPLEMENTING THE PROJECT

MAIN EFFECTS ON THE ENVIRONMENT:

EMPLOYMENT:

YEAR	CONSTRUCTION				OPERATION			
	PROFESSIONALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL	PROFESSIONALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL
1				20				
2								120
3								
4								
5								
6								
7								
8								
9								
10								

INPUT OTHER THAN LABOUR: CONSTRUCTION (C), OPERATION (O)

YEARLY PRODUCTION: Dried timber - 35 000 tons
Mouldings - 6 000 tons

NET REQUIREMENTS OF FOREIGN EXCHANGE YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

LINKS

LINKS TO OTHER PROJECTS AND DEVELOPMENT PACKAGES

NO: NAME:
NO: NAME:
NO: NAME:
NO: NAME:
NO: NAME:
NO: NAME:
NO: NAME:

FINANCING

POSSIBILITIES OF FINANCING:

1: FEDERAL GOVERNMENT		2: STATE GOVERNMENT	
3: LOCAL GOVERNMENT		4: STATUTORY BODIES	✓
5: PUBLIC FUNDS		6: PRIVATE DOMESTIC SAVINGS	✓
7: PRIVATE FOREIGN LOANS		8: PUBLIC FOREIGN LOANS	

REFERENCES

REFERENCES:

1: Supporting Report 8
2:
3:
4:
5:

IDENTIFICATION

PROJECT NUMBER: 115 SECTOR: INDUSTRIES

DEPARTMENT: PLANNING: / IMPLEMENTATION: / BUGET: — SEDC/PRIVATE

NAME OF PROJECT: Industries - Residual

CONTENTS

DESCRIPTION:

COSTS AND REVENUES (1973 PRICES)

TOTAL INVESTMENT COSTS: $41 000 INVESTMENT PERIOD:

INVESTMENT YEAR BY YEAR:

1: $4 000	2: $5 000	3: $6 000	4: $7 000	5: $9 000
6: $10 000	7:	8:	9:	10:

OPERATING COSTS YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

REVENUES YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

SHORT DESCRIPTION OF POSSIBLE ECONOMIES OF SCALE CONCERNING INVESTMENT AND OPERATION COSTS

UNIT (OR ITEM) COSTS AND UNIT (OR ITEM) REVENUES:

DERIVED EFFECTS OF IMPLEMENTING THE PROJECT

MAIN EFFECTS ON THE ENVIRONMENT:

EMPLOYMENT:

YEAR	CONSTRUCTION				OPERATION			
	PROFESSIONALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL	PROFESSIONALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL
1								
2								240
3								540
4								900
5								1 320
6								1 860
7								2 450
8								
9								
10								

INPUT OTHER THAN LABOUR: CONSTRUCTION (C), OPERATION (O)

YEARLY PRODUCTION:

NET REQUIREMENTS OF FOREIGN EXCHANGE YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

LINKS

LINKS TO OTHER PROJECTS AND DEVELOPMENT PACKAGES

NO: NAME:
NO: NAME:
NO: NAME:
NO: NAME:
NO: NAME:
NO: NAME:
NO: NAME:

FINANCING

POSSIBILITIES OF FINANCING:

1: FEDERAL GOVERNMENT		2: STATE GOVERNMENT	
3: LOCAL GOVERNMENT		4: STATUTORY BODIES	✓
5: PUBLIC FUNDS		6: PRIVATE DOMESTIC SAVINGS	✓
7: PRIVATE FOREIGN LOANS		8: PUBLIC FOREIGN LOANS	

REFERENCES

REFERENCES:

1:
2:
3:
4:
5:

IDENTIFICATION

PROJECT NUMBER: 116 SECTOR: AGRICULTURE

DEPARTMENT — PLANNING: SLDB; IMPLEMENTATION: SLDB; BUGET: SLDB

NAME OF PROJECT: Clearing, planting and operating - Galasah Public Area

CONTENTS

DESCRIPTION: Clearing, planting and operating of 2 530 acres - small holder scheme

Oil palm - 1 560 acres
Rubber - 495 acres
Cocoa - 315 acres
Rice - 160 acres

COSTS AND REVENUES (1973 PRICES)

TOTAL INVESTMENT COSTS: $2 637 000 (1976 to 1980 - $2 500 000) INVESTMENT PERIOD: 1976 to 1983

INVESTMENT YEAR BY YEAR: $'000

1: $245	2: $1 091	3: $444	4: $675	5: $55
6: $46	7: $68	8: $14	9:	10:

OPERATING COSTS YEAR BY YEAR: $'000

1:	2:	3: $19	4: $17	5: $508
6: $536	7: $500	8: $597	9: $618	10: $611
11: $614	12: $616	13: $627	14: $629	15: $632
16: $632	17: $632	18: $653	19: $650	20:

REVENUES YEAR BY YEAR: $'000

1:	2:	3: $40	4: $105	5: $531
6: $878	7: $1 115	8: $1 280	9: $1 376	10: $1 423
11: $1 439	12: $1 454	13: $1 462	14: $1 471	15: $1 470
16: $1 460	17: $1 439	18: $1 429	19: $1 409	20:

SHORT DESCRIPTION OF POSSIBLE ECONOMIES OF SCALE CONCERNING INVESTMENT AND OPERATION COSTS

UNIT (OR ITEM) COSTS AND UNIT (OR ITEM) REVENUES:

Refer Bukit Peninjau Road Based Improvement Scheme

DERIVED EFFECTS OF IMPLEMENTING THE PROJECT

MAIN EFFECTS ON THE ENVIRONMENT: 162 farms benefited

EMPLOYMENT:

YEAR	CONSTRUCTION				OPERATION			
	PROFESSIONALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL	PROFESSIONALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL
			Field workers				Field workers	
1976			176					
1977			241					
1978			196				24	
1979			190				24	
1980			69				168	
1981			17				213	
1982			15				169	
							184	

INPUT OTHER THAN LABOUR: CONSTRUCTION (C), OPERATION (O)

Refer Bukit Peninjau Road Based Improvement Scheme

YEARLY PRODUCTION:
Oil palm peak production in year 1985 (14 000 tons of ffb)
Rubber peak production in year 1990 (400 tons of drc)
Cocoa peak production in year 1982 (211 tons of dbe)
Rice peak production in year 1982 (200 tons of padi)

NET REQUIREMENTS OF FOREIGN EXCHANGE YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

LINKS

LINKS TO OTHER PROJECTS AND DEVELOPMENT PACKAGES

NO: 18	NAME: Bukit Peninjau RBD Rural Development Package
NO:	NAME:
NO:	NAME:
NO:	NAME:
NO:	NAME:
NO:	NAME:
NO:	NAME:

FINANCING

POSSIBILITIES OF FINANCING:

1: FEDERAL GOVERNMENT	☐	2: STATE GOVERNMENT	☐
3: LOCAL GOVERNMENT	☐	4: STATUTORY BODIES	✓
5: PUBLIC FUNDS	☐	6: PRIVATE DOMESTIC SAVINGS	☐
7: PRIVATE FOREIGN LOANS	☐	8: PUBLIC FOREIGN LOANS	☐

REFERENCES

REFERENCES:

1: Supporting Report 2, Parts II and III
2:
3:
4:
5:

IDENTIFICATION

PROJECT NUMBER: 117 SECTOR: AGRICULTURE

DEPARTMENT
PLANNING: SLDB
IMPLEMENTATION: SLDB
BUGET: SLDB

NAME OF PROJECT: Management SLDB - Galasah (Public)

CONTENTS

DESCRIPTION: SLDB Management of 2 530 acres of cropped area - small holder scheme

Equipment:
- Tractor rotavator
- 2 Power tillers
- 2 Power threshers
- 2 Power knapsacks
- 4 Manual knapsacks
- Tools
- Lorry
- Land rover

COSTS AND REVENUES (1973 PRICES)

TOTAL INVESTMENT COSTS: $198 000 INVESTMENT PERIOD: 1976 to 1979

INVESTMENT YEAR BY YEAR: $'000

1: $43	2: $27	3: $43	4: $85	5:
6:	7:	8:	9:	10:

OPERATING COSTS YEAR BY YEAR: $'000

1: $34	2: $102	3: $116	4: $128	5: $128
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

REVENUES YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

SHORT DESCRIPTION OF POSSIBLE ECONOMIES OF SCALE CONCERNING INVESTMENT AND OPERATION COSTS

UNIT (OR ITEM) COSTS AND UNIT (OR ITEM) REVENUES:

Refer Bukit Peninjau Road Based Improvement Scheme

DERIVED EFFECTS OF IMPLEMENTING THE PROJECT

MAIN EFFECTS ON THE ENVIRONMENT: 162 farms will be benefited

EMPLOYMENT:

YEAR	CONSTRUCTION				OPERATION			
	PROFESSIO-NALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL	PROFESSIO-NALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL
					Management			
1976					7			7
1977					10			10
1978					10			10
1979					12			12
1980					12			12

INPUT OTHER THAN LABOUR: CONSTRUCTION (C), OPERATION (O)

YEARLY PRODUCTION:

NET REQUIREMENTS OF FOREIGN EXCHANGE YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

LINKS

LINKS TO OTHER PROJECTS AND DEVELOPMENT PACKAGES

NO: 6	NAME: Galasah Rural Development
NO:	NAME:
NO:	NAME:
NO:	NAME:
NO:	NAME:
NO:	NAME:
NO:	NAME:

FINANCING

POSSIBILITIES OF FINANCING:

1: FEDERAL GOVERNMENT		2: STATE GOVERNMENT	
3: LOCAL GOVERNMENT		4: STATUTORY BODIES	✓
5: PUBLIC FUNDS		6: PRIVATE DOMESTIC SAVINGS	
7: PRIVATE FOREIGN LOANS		8: PUBLIC FOREIGN LOANS	

REFERENCES

REFERENCES:

1: Supporting Report 2, Parts II and III
2:
3:
4:
5:

IDENTIFICATION

PROJECT NUMBER: 118 SECTOR: AGRICULTURE

DEPARTMENT — PLANNING: SLDB; IMPLEMENTATION: SLDB; BUGET: SLDB

NAME OF PROJECT: Clearing, planting and operating - Sebanah (Public)

CONTENTS

DESCRIPTION: Clearing, planting and operating of 4 130 acres of land - small holder scheme

Oil palm - 2 385 acres
Rubber - 920 acres
Cocoa - 560 acres
Rice - 265 acres

COSTS AND REVENUES (1973 PRICES)

TOTAL INVESTMENT COSTS: $4 323 000 (1976 to 1980 - $4 085 000) INVESTMENT PERIOD: 1976 to 1983

INVESTMENT YEAR BY YEAR: $'000

1: $400	2: $1 774	3: $729	4: $1 081	5: $101
6: $85	7: $127	8: $25	9:	10:

OPERATING COSTS YEAR BY YEAR: $'000

1:	2:	3: $31	4: $29	5: $797
6: $842	7: $790	8: $969	9: $1 014	10: $1 007
11: $1 013	12: $1 017	13: $1 037	14: $1 039	15: $1 045
16: $1 045	17: $1 045	18: $1 078	19: $1 072	20:

REVENUES YEAR BY YEAR: $'000

1:	2:	3: $66	4: $165	5: $836
6: $1 384	7: $1 763	8: $2 053	9: $2 223	10: $2 311
11: $2 345	12: $2 373	13: $2 392	14: $2 411	15: $2 415
16: $2 400	17: $2 369	18: $2 354	19: $2 323	20:

SHORT DESCRIPTION OF POSSIBLE ECONOMIES OF SCALE CONCERNING INVESTMENT AND OPERATION COSTS

UNIT (OR ITEM) COSTS AND UNIT (OR ITEM) REVENUES:

Refer Bukit Peninjau Road Based Improvement Scheme

DERIVED EFFECTS OF IMPLEMENTING THE PROJECT

MAIN EFFECTS ON THE ENVIRONMENT: 265 farms benefited

EMPLOYMENT:

YEAR	CONSTRUCTION				OPERATION			
	PROFESSIONALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL	PROFESSIONALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL
			Field workers				Field workers	
1976			284					
1977			399					
1978			333				40	
1979			311				40	
1980			125				258	
1981			31				339	
1982			29				269	
							298	

INPUT OTHER THAN LABOUR: CONSTRUCTION (C), OPERATION (O)

YEARLY PRODUCTION:
Oil palm peak production in year 1985 (21 500 tons of ffb)
Rubber peak production in year 1990 (740 tons of drc)
Cocoa peak production in year 1982 (380 tons of dbe)
Rice peak production in year 1981 (330 tons of padi)

NET REQUIREMENTS OF FOREIGN EXCHANGE YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

LINKS

LINKS TO OTHER PROJECTS AND DEVELOPMENT PACKAGES

NO: 7 NAME: Sebanah Rural Development
NO: NAME:
NO: NAME:
NO: NAME:
NO: NAME:
NO: NAME:
NO: NAME:

FINANCING

POSSIBILITIES OF FINANCING:

1: FEDERAL GOVERNMENT	☐	2: STATE GOVERNMENT	☐
3: LOCAL GOVERNMENT	☐	4: STATUTORY BODIES	✓
5: PUBLIC FUNDS	☐	6: PRIVATE DOMESTIC SAVINGS	☐
7: PRIVATE FOREIGN LOANS	☐	8: PUBLIC FOREIGN LOANS	☐

REFERENCES

REFERENCES:

1: Supporting Report 2, Parts II and III
2:
3:
4:
5:

IDENTIFICATION

PROJECT NUMBER: 119 SECTOR: AGRICULTURE

DEPARTMENT
PLANNING: SLDB
IMPLEMENTATION: SLDB
BUGET: SLDB

NAME OF PROJECT: Management SLDB - Sebanah public area

CONTENTS

DESCRIPTION: SLDB management of 4 130 acres of cropped area - small holder scheme

Equipment:
- Tractor rotavator
- 4 Power tillers
- 4 Threshers
- 4 Knapsacks
- 6 Manual knapsacks
- Tools
- Lorry
- Land rover

COSTS AND REVENUES (1973 PRICES)

TOTAL INVESTMENT COSTS: $424 000 INVESTMENT PERIOD: 1976 to 1979

INVESTMENT YEAR BY YEAR: $'000

1: $72	2: $154	3: $67	4: $131	5:
6:	7:	8:	9:	10:

OPERATING COSTS YEAR BY YEAR: $'000

1: $57	2: $169	3: $192	4: $209	5: $209
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

REVENUES YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

SHORT DESCRIPTION OF POSSIBLE ECONOMIES OF SCALE CONCERNING INVESTMENT AND OPERATION COSTS

UNIT (OR ITEM) COSTS AND UNIT (OR ITEM) REVENUES:

Refer Bukit Peninjau Road Based Improvement Scheme

DERIVED EFFECTS OF IMPLEMENTING THE PROJECT

MAIN EFFECTS ON THE ENVIRONMENT: 265 farms benefited

EMPLOYMENT:

YEAR	CONSTRUCTION				OPERATION			
	PROFESSIO-NALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL	PROFESSIO-NALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL
1976					11			11
1977					16			16
1978					17			17
1979					20			20
1980					20			20

INPUT OTHER THAN LABOUR: CONSTRUCTION (C), OPERATION (O)

YEARLY PRODUCTION:

NET REQUIREMENTS OF FOREIGN EXCHANGE YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

LINKS

LINKS TO OTHER PROJECTS AND DEVELOPMENT PACKAGES

NO: 7	NAME: Sebanah Rural Development
NO:	NAME:
NO:	NAME:
NO:	NAME:
NO:	NAME:
NO:	NAME:
NO:	NAME:

FINANCING

POSSIBILITIES OF FINANCING:

1: FEDERAL GOVERNMENT		2: STATE GOVERNMENT	
3: LOCAL GOVERNMENT		4: STATUTORY BODIES	✓
5: PUBLIC FUNDS		6: PRIVATE DOMESTIC SAVINGS	
7: PRIVATE FOREIGN LOANS		8: PUBLIC FOREIGN LOANS	

REFERENCES

REFERENCES:

1: Supporting Report 2, Parts II and III
2:
3:
4:
5:

IDENTIFICATION

PROJECT NUMBER: 120 SECTOR: AGRICULTURE

DEPARTMENT — PLANNING: AGRICULTURE; IMPLEMENTATION: ADU; BUGET: AGRICULTURE

NAME OF PROJECT: Management ADU - Beluru RBD area

CONTENTS

DESCRIPTION: ADU management of 5 290 acres of cropped area

Equipment:
- 3 Power tillers
- 3 Threshers
- 3 Knapsacks
- 6 Manual knapsacks
- Tractor and rotavator
- Lorry
- Small tools

Quarters by 1980
- 1 Class B
- 9 Class C
- 7 Class D

COSTS AND REVENUES (1973 PRICES)

TOTAL INVESTMENT COSTS: $361 000 INVESTMENT PERIOD: 1976 to 1980

INVESTMENT YEAR BY YEAR: $'000

1: $206	2:	3: $71	4: $56	5: $28
6:	7:	8:	9:	10:

OPERATING COSTS YEAR BY YEAR: $'000

1: $48	2: $51	3: $64	4: $79	5: $87
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

REVENUES YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

SHORT DESCRIPTION OF POSSIBLE ECONOMIES OF SCALE CONCERNING INVESTMENT AND OPERATION COSTS

UNIT (OR ITEM) COSTS AND UNIT (OR ITEM) REVENUES:

Refer Bukit Peninjau Road Based Improvement Scheme

DERIVED EFFECTS OF IMPLEMENTING THE PROJECT

MAIN EFFECTS ON THE ENVIRONMENT: 325 farmers in RBD area Beluru will be benefited

EMPLOYMENT:

YEAR	CONSTRUCTION				OPERATION			
	PROFESSIO-NALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL	PROFESSIO-NALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL
1976					9			9
1977					9			9
1978					11			11
1979					15			15
1980					17			17

INPUT OTHER THAN LABOUR: CONSTRUCTION (C), OPERATION (O)

YEARLY PRODUCTION:

NET REQUIREMENTS OF FOREIGN EXCHANGE YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

LINKS

LINKS TO OTHER PROJECTS AND DEVELOPMENT PACKAGES

NO: 23	NAME: Beluru RBD Rural Development
NO:	NAME:
NO:	NAME:
NO:	NAME:
NO:	NAME:
NO:	NAME:
NO:	NAME:

FINANCING

POSSIBILITIES OF FINANCING:

1: FEDERAL GOVERNMENT		2: STATE GOVERNMENT	
3: LOCAL GOVERNMENT		4: STATUTORY BODIES	
5: PUBLIC FUNDS	✓	6: PRIVATE DOMESTIC SAVINGS	
7: PRIVATE FOREIGN LOANS		8: PUBLIC FOREIGN LOANS	

REFERENCES

REFERENCES:

1: Supporting Report 2, Parts II and III
2:
3:
4:
5:

IDENTIFICATION

PROJECT NUMBER: 121 SECTOR: AGRICULTURE

DEPARTMENT
PLANNING: AGRICULTURE
IMPLEMENTATION: ADU
BUGET: AGRICULTURE

NAME OF PROJECT: Management ADU - Marudi RBD

CONTENTS

DESCRIPTION: ADU management of 4 180 acres of cropped area

Equipment:
5 Power tillers
5 Threshers
5 Knapsacks
5 Manual knapsacks
Tractor and rotavator
Small tools

Quarters by 1980:
1 Class B
9 Class C
9 Class D

COSTS AND REVENUES (1973 PRICES)

TOTAL INVESTMENT COSTS: $201 000 INVESTMENT PERIOD: 1976 to 1980

INVESTMENT YEAR BY YEAR: $'000

1: $206	2:	3: $71	4: $61	5: $49
6:	7:	8:	9:	10:

OPERATING COSTS YEAR BY YEAR: $'000

1: $48	2: $51	3: $64	4: $79	5: $93
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

REVENUES YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

SHORT DESCRIPTION OF POSSIBLE ECONOMIES OF SCALE CONCERNING INVESTMENT AND OPERATION COSTS

UNIT (OR ITEM) COSTS AND UNIT (OR ITEM) REVENUES:

Refer Bukit Peninjau Road Based Improvement Scheme

DERIVED EFFECTS OF IMPLEMENTING THE PROJECT

MAIN EFFECTS ON THE ENVIRONMENT: 250 farmers benefited by 1982

EMPLOYMENT:

YEAR	CONSTRUCTION				OPERATION			
	PROFESSIO-NALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL	PROFESSIO-NALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL
1976					9			9
1977					9			9
1978					11			11
1979					15			15
1980					19			19

INPUT OTHER THAN LABOUR: CONSTRUCTION (C), OPERATION (O)

YEARLY PRODUCTION:

NET REQUIREMENTS OF FOREIGN EXCHANGE YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

LINKS

LINKS TO OTHER PROJECTS AND DEVELOPMENT PACKAGES

NO: 20	NAME: Marudi RBD Rural DEvelopment
NO:	NAME:
NO:	NAME:
NO:	NAME:
NO:	NAME:
NO:	NAME:
NO:	NAME:

FINANCING

POSSIBILITIES OF FINANCING:

1: FEDERAL GOVERNMENT		2: STATE GOVERNMENT	
3: LOCAL GOVERNMENT		4: STATUTORY BODIES	
5: PUBLIC FUNDS	✓	6: PRIVATE DOMESTIC SAVINGS	
7: PRIVATE FOREIGN LOANS		8: PUBLIC FOREIGN LOANS	

REFERENCES

REFERENCES:

1: Supporting Report 2, Part III
2:
3:
4:
5:

IDENTIFICATION

PROJECT NUMBER: 122 SECTOR: AGRICULTURE

DEPARTMENT — PLANNING: AGRICULTURE; IMPLEMENTATION: ADU; BUGET: AGRICULTURE

NAME OF PROJECT: Management ADU - Bintulu 10th mile RBD area

CONTENTS

DESCRIPTION: ADU management of 3 300 acres of cropped land

Equipment:
- 2 Power tillers
- 2 Threshers
- 2 Knapsacks
- 3 Manual knapsacks
- Small tools
- Tractor and rotavator
- Lorry

Quarters by 1980s
- 1 Class B
- 8 Class C
- 7 Class D

COSTS AND REVENUES (1973 PRICES)

TOTAL INVESTMENT COSTS: $333 000 INVESTMENT PERIOD: 1976 to 1980

INVESTMENT YEAR BY YEAR: $'000

1: $206	2:	3: $71	4: $28	5: $28
6:	7:	8:	9:	10:

OPERATING COSTS YEAR BY YEAR: $'000

1: $48	2: $51	3: $64	4: $71	5: $81
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

REVENUES YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

SHORT DESCRIPTION OF POSSIBLE ECONOMIES OF SCALE CONCERNING INVESTMENT AND OPERATION COSTS

UNIT (OR ITEM) COSTS AND UNIT (OR ITEM) REVENUES:

Refer Bukit Peninjau Road Based Improvement Scheme

DERIVED EFFECTS OF IMPLEMENTING THE PROJECT

MAIN EFFECTS ON THE ENVIRONMENT: 200 farmers benefited

EMPLOYMENT:

YEAR	CONSTRUCTION				OPERATION			
	PROFESSIO-NALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL	PROFESSIO-NALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL
1976					9			9
1977					9			9
1978					11			11
1979					13			13
1980					16			16

INPUT OTHER THAN LABOUR: CONSTRUCTION (C), OPERATION (O)

YEARLY PRODUCTION:

NET REQUIREMENTS OF FOREIGN EXCHANGE YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

LINKS

LINKS TO OTHER PROJECTS AND DEVELOPMENT PACKAGES

NO: 21	NAME: Bintulu RBD Rural Development
NO:	NAME:
NO:	NAME:
NO:	NAME:
NO:	NAME:
NO:	NAME:
NO:	NAME:

FINANCING

POSSIBILITIES OF FINANCING:

1: FEDERAL GOVERNMENT		2: STATE GOVERNMENT	
3: LOCAL GOVERNMENT		4: STATUTORY BODIES	
5: PUBLIC FUNDS	✓	6: PRIVATE DOMESTIC SAVINGS	
7: PRIVATE FOREIGN LOANS		8: PUBLIC FOREIGN LOANS	

REFERENCES

REFERENCES:

1: Supporting Report 2, Part III
2:
3:
4:
5:

IDENTIFICATION

PROJECT NUMBER: 123 SECTOR: AGRICULTURE

DEPARTMENT
PLANNING: AGRICULTURE
IMPLEMENTATION: ADU
BUGET: AGRICULTURE

NAME OF PROJECT: Management ADU – Bekenu RBD area

CONTENTS

DESCRIPTION: ADU management of 5 290 acres of cropped land

Equipment:
3 Power tillers
3 Power threshers
3 Power knapsacks
6 Manual knapsacks
Small tools
Tractor and rotavator

Quarters by 1980:
1 Class B
9 Class C
7 Class D

COSTS AND REVENUES (1973 PRICES)

TOTAL INVESTMENT COSTS: $361 000 INVESTMENT PERIOD: 1976 to 1980

INVESTMENT YEAR BY YEAR: $'000

1: $206	2:	3: $71	4: $56	5: $28
6:	7:	8:	9:	10:

OPERATING COSTS YEAR BY YEAR: $'000

1: $48	2: $51	3: $64	4: $79	5: $87
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

REVENUES YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

SHORT DESCRIPTION OF POSSIBLE ECONOMIES OF SCALE CONCERNING INVESTMENT AND OPERATION COSTS

UNIT (OR ITEM) COSTS AND UNIT (OR ITEM) REVENUES:

Refer Bukit Peninjau Road Based Improvement Scheme

DERIVED EFFECTS OF IMPLEMENTING THE PROJECT

MAIN EFFECTS ON THE ENVIRONMENT: 325 farmers benefited

EMPLOYMENT:

YEAR	CONSTRUCTION				OPERATION			
	PROFESSIO-NALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL	PROFESSIO-NALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL
1976					9			9
1977					9			9
1978					11			11
1979					15			15
1980					17			17

INPUT OTHER THAN LABOUR: CONSTRUCTION (C), OPERATION (O)

YEARLY PRODUCTION:

NET REQUIREMENTS OF FOREIGN EXCHANGE YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

LINKS

LINKS TO OTHER PROJECTS AND DEVELOPMENT PACKAGES

NO: 22	NAME: Bekenu RBD Rural Development
NO:	NAME:
NO:	NAME:
NO:	NAME:
NO:	NAME:
NO:	NAME:
NO:	NAME:

FINANCING

POSSIBILITIES OF FINANCING:

1: FEDERAL GOVERNMENT		2: STATE GOVERNMENT	
3: LOCAL GOVERNMENT		4: STATUTORY BODIES	
5: PUBLIC FUNDS	✓	6: PRIVATE DOMESTIC SAVINGS	
7: PRIVATE FOREIGN LOANS		8: PUBLIC FOREIGN LOANS	

REFERENCES

REFERENCES:

1: Supporting Report 2, Part III
2:
3:
4:
5:

IDENTIFICATION

PROJECT NUMBER: 124 SECTOR: AGRICULTURE

DEPARTMENT — PLANNING: AGRICULTURE; IMPLEMENTATION: ADU; BUGET: AGRICULTURE

NAME OF PROJECT: Management ADU - Mera-a (Public)

CONTENTS

DESCRIPTION: ADU management

Quarters by 1980:
1 Class B
8 Class C
9 Class D

COSTS AND REVENUES (1973 PRICES)

TOTAL INVESTMENT COSTS: $371 000 INVESTMENT PERIOD: 1976 to 1979

INVESTMENT YEAR BY YEAR: $'000

1: $253	2:	3:	4: $118	5:
6:	7:	8:	9:	10:

OPERATING COSTS YEAR BY YEAR: $'000

1: $56	2: $60	3: $60	4: $86	5: $88
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

REVENUES YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

SHORT DESCRIPTION OF POSSIBLE ECONOMIES OF SCALE CONCERNING INVESTMENT AND OPERATION COSTS

UNIT (OR ITEM) COSTS AND UNIT (OR ITEM) REVENUES:

Refer Bukit Peninjau Road Based Improvement Scheme

DERIVED EFFECTS OF IMPLEMENTING THE PROJECT

MAIN EFFECTS ON THE ENVIRONMENT: 194 farms benefited

EMPLOYMENT:

YEAR	CONSTRUCTION				OPERATION			
	PROFESSIONALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL	PROFESSIONALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL
1976					10			10
1977					10			10
1978					10			10
1979					18			18
1980					18			18

INPUT OTHER THAN LABOUR: CONSTRUCTION (C), OPERATION (O)

YEARLY PRODUCTION:

NET REQUIREMENTS OF FOREIGN EXCHANGE YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

LINKS

LINKS TO OTHER PROJECTS AND DEVELOPMENT PACKAGES

NO: 3	NAME: Mera-a Rural Development
NO:	NAME:
NO:	NAME:
NO:	NAME:
NO:	NAME:
NO:	NAME:
NO:	NAME:

FINANCING

POSSIBILITIES OF FINANCING:

1: FEDERAL GOVERNMENT		2: STATE GOVERNMENT	
3: LOCAL GOVERNMENT		4: STATUTORY BODIES	
5: PUBLIC FUNDS	✓	6: PRIVATE DOMESTIC SAVINGS	
7: PRIVATE FOREIGN LOANS		8: PUBLIC FOREIGN LOANS	

REFERENCES

REFERENCES:

1: Supporting Report 2, Part III
2:
3:
4:
5:

IDENTIFICATION

PROJECT NUMBER: 125 SECTOR: AGRICULTURE

DEPARTMENT: PLANNING: / IMPLEMENTATION: / BUGET: } AGRICULTURE

NAME OF PROJECT: Clearing, planting and operating - Sibiu area

CONTENTS

DESCRIPTION: Clearing, planting and operating of 2 600 acres for university complex

COSTS AND REVENUES (1973 PRICES)

TOTAL INVESTMENT COSTS: $1 971 000 INVESTMENT PERIOD: 1976 to 1980

INVESTMENT YEAR BY YEAR: $'000

1: $76	2: $391	3: $533	4: $613	5: $358
6:	7:	8:	9:	10:

OPERATING COSTS YEAR BY YEAR: $'000

1:	2:	3:	4:	5: $53
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

REVENUES YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

SHORT DESCRIPTION OF POSSIBLE ECONOMIES OF SCALE CONCERNING INVESTMENT AND OPERATION COSTS

UNIT (OR ITEM) COSTS AND UNIT (OR ITEM) REVENUES:

DERIVED EFFECTS OF IMPLEMENTING THE PROJECT

MAIN EFFECTS ON THE ENVIRONMENT:

EMPLOYMENT:

YEAR	CONSTRUCTION				OPERATION			
	PROFESSIO-NALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL	PROFESSIO-NALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL
1976								230
1977								460
1978								690
1979								690
1980								690

INPUT OTHER THAN LABOUR: CONSTRUCTION (C), OPERATION (O)

YEARLY PRODUCTION:

NET REQUIREMENTS OF FOREIGN EXCHANGE YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

LINKS

LINKS TO OTHER PROJECTS AND DEVELOPMENT PACKAGES

NO: 26	NAME: Bintulu University Rural Development
NO:	NAME:
NO:	NAME:
NO:	NAME:
NO:	NAME:
NO:	NAME:
NO:	NAME:

FINANCING

POSSIBILITIES OF FINANCING:

1: FEDERAL GOVERNMENT		2: STATE GOVERNMENT	
3: LOCAL GOVERNMENT		4: STATUTORY BODIES	
5: PUBLIC FUNDS	✓	6: PRIVATE DOMESTIC SAVINGS	
7: PRIVATE FOREIGN LOANS		8: PUBLIC FOREIGN LOANS	

REFERENCES

REFERENCES:

1: Supporting Report 2, Part II
2:
3:
4:
5:

IDENTIFICATION

PROJECT NUMBER: 126 SECTOR: AGRICULTURE

DEPARTMENT — PLANNING: AGRICULTURE; IMPLEMENTATION: FWD; BUGET: AGRICULTURE

NAME OF PROJECT: ADU section leader offices - Study Area

CONTENTS

DESCRIPTION:

COSTS AND REVENUES (1973 PRICES)

TOTAL INVESTMENT COSTS: $303 000 INVESTMENT PERIOD: 1976 to 1979

INVESTMENT YEAR BY YEAR: $'000

1: $78	2:	3: $76	4: $147	5:
6:	7:	8:	9:	10:

OPERATING COSTS YEAR BY YEAR: $'000

1: $27	2: $27	3: $54	4: $108	5: $108
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

REVENUES YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

SHORT DESCRIPTION OF POSSIBLE ECONOMIES OF SCALE CONCERNING INVESTMENT AND OPERATION COSTS

UNIT (OR ITEM) COSTS AND UNIT (OR ITEM) REVENUES:

DERIVED EFFECTS OF IMPLEMENTING THE PROJECT

MAIN EFFECTS ON THE ENVIRONMENT:

EMPLOYMENT:

YEAR	CONSTRUCTION				OPERATION			
	PROFESSIO-NALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL	PROFESSIO-NALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL
1976								3
1977								3
1978								6
1979								12
1980								12

INPUT OTHER THAN LABOUR: CONSTRUCTION (C), OPERATION (O)

YEARLY PRODUCTION: Number of small holders served - 1 270
Number of road based development farmers served - 162

NET REQUIREMENTS OF FOREIGN EXCHANGE YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

LINKS

LINKS TO OTHER PROJECTS AND DEVELOPMENT PACKAGES

NO: NAME:
NO: NAME:
NO: NAME:
NO: NAME:
NO: NAME:
NO: NAME:
NO: NAME:

FINANCING

POSSIBILITIES OF FINANCING:

1: FEDERAL GOVERNMENT		2: STATE GOVERNMENT	
3: LOCAL GOVERNMENT		4: STATUTORY BODIES	
5: PUBLIC FUNDS	✓	6: PRIVATE DOMESTIC SAVINGS	
7: PRIVATE FOREIGN LOANS		8: PUBLIC FOREIGN LOANS	

REFERENCES

REFERENCES:

1: Supporting Report 2, Part III
2:
3:
4:
5:

IDENTIFICATION

PROJECT NUMBER: 127 SECTOR: AGRICULTURE

DEPARTMENT — PLANNING: / IMPLEMENTATION: / BUGET: } PRIVATE

NAME OF PROJECT: Clearing, planting and operating - Mera-a (Private) Area

CONTENTS

DESCRIPTION: Lambir-Subis RDA Private Sector

Clearing, planting and operating of 505 acres
(Planting commences in 1977 and finishes in 1979)

Oil palm - 355 acres
Rubber - 100 acres
Cocoa - 30 acres
Rice - 20 acres

COSTS AND REVENUES (1973 PRICES)

TOTAL INVESTMENT COSTS: $458 000 (1976 to 1980 - $397 000) INVESTMENT PERIOD: 1976 to 1985

INVESTMENT YEAR BY YEAR: $'000

1: $16	2: $88	3: $115	4: $123	5: $55
6: $31	7: $11	8: $9	9: $6	10: $4

OPERATING COSTS YEAR BY YEAR: $'000

1:	2:	3: $1	4: $23	5: $58
6: $93	7: $105	8: $110	9: $114	10: $122
11: $124	12: $124	13: $124	14: $124	15: $124
16: $124	17: $124	18: $124	19: $124	20: $124

REVENUES YEAR BY YEAR: $'000

1:	2:	3: $1	4: $8	5: $43
6: $99	7: $166	8: $216	9: $249	10: $268
11: $274	12: $274	13: $274	14: $274	15: $274
16: $274	17: $274	18: $274	19: $274	20: $274

SHORT DESCRIPTION OF POSSIBLE ECONOMIES OF SCALE CONCERNING INVESTMENT AND OPERATION COSTS

UNIT (OR ITEM) COSTS AND UNIT (OR ITEM) REVENUES:

	$		$
* Oil palm establishment per acre	1 040	Management per acre	180
* Rubber establishment per acre	1 150	Management per acre	485
* Cocoa establishment per acre	700	Management per acre	240
* Rice establishment per acre	1 470	Management per acre	74

* Excluding housing and management

DERIVED EFFECTS OF IMPLEMENTING THE PROJECT

MAIN EFFECTS ON THE ENVIRONMENT: 63 farmers benefited

EMPLOYMENT:

YEAR	CONSTRUCTION				OPERATION			
	PROFESSIONALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL	PROFESSIONALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL
			Field workers				Field workers	
1976			21					
1977			42					
1978			63					
1979			63					
1980			48				15	
1981			31				32	
1982			14				49	
1983			8				55	
1984			4				59	

INPUT OTHER THAN LABOUR: CONSTRUCTION (C), OPERATION (O)

Refer Bukit Peninjau Road Based Improvement Scheme

YEARLY PRODUCTION:
Oil palm peak production in year 1987 (3 200 tons of ffb)
Rubber peak production in year 1992 (80 tons of drc)
Cocoa peak production in year 1984 (20 tons of dbe)
Rice peak production in year 1983 (30 tons of padi)

NET REQUIREMENTS OF FOREIGN EXCHANGE YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

LINKS

LINKS TO OTHER PROJECTS AND DEVELOPMENT PACKAGES

NO: 3	NAME: Mera-a Rural Development
NO:	NAME:
NO:	NAME:
NO:	NAME:
NO:	NAME:
NO:	NAME:
NO:	NAME:

FINANCING

POSSIBILITIES OF FINANCING:

1: FEDERAL GOVERNMENT		2: STATE GOVERNMENT	
3: LOCAL GOVERNMENT		4: STATUTORY BODIES	
5: PUBLIC FUNDS		6: PRIVATE DOMESTIC SAVINGS	✓
7: PRIVATE FOREIGN LOANS		8: PUBLIC FOREIGN LOANS	

REFERENCES

REFERENCES:

1: Supporting Report 2, Part II
2:
3:
4:
5:

IDENTIFICATION

PROJECT NUMBER: 128 SECTOR: AGRICULTURE

DEPARTMENT — PLANNING: / IMPLEMENTATION: / BUGET: — PRIVATE

NAME OF PROJECT: Clearing, planting and operating - Ulu Mamat Area

CONTENTS

DESCRIPTION: Lambir-Subis Private Investor

Clearing, planting and operating of 1 980 acres
(Planting commences in 1977 and finishes in 1979)

Oil palm - 1 385 acres
Rubber - 395 acres
Cocoa - 130 acres
Rice - 70 acres

COSTS AND REVENUES (1973 PRICES)

TOTAL INVESTMENT COSTS: $1 786 000 (1976 to 1980 - $1 560 000) INVESTMENT PERIOD: 1976 to 1985

INVESTMENT YEAR BY YEAR: $'000

1: $64	2: $347	3: $452	4: $482	5: $215
6: $121	7: $45	8: $34	9: $22	10: $4

OPERATING COSTS YEAR BY YEAR: $'000

1:	2:	3: $3	4: $90	5: $226
6: $366	7: $410	8: $430	9: $449	10: $480
11: $485	12: $485	13: $485	14: $485	15: $485
16: $485	17: $485	18: $485	19: $485	20: $485

REVENUES YEAR BY YEAR: $'000

1:	2:	3: $6	4: $30	5: $160
6: $390	7: $653	8: $847	9: $978	10: $1 050
11: $1 076	12: $1 076	13: $1 076	14: $1 076	15: $1 076
16: $1 076	17: $1 076	18: $1 076	19: $1 076	20: $1 076

SHORT DESCRIPTION OF POSSIBLE ECONOMIES OF SCALE CONCERNING INVESTMENT AND OPERATION COSTS

UNIT (OR ITEM) COSTS AND UNIT (OR ITEM) REVENUES:

Refer Bukit Peninjau Road Based Improvement Scheme

DERIVED EFFECTS OF IMPLEMENTING THE PROJECT

MAIN EFFECTS ON THE ENVIRONMENT: 249 farmers benefited

EMPLOYMENT:

YEAR	CONSTRUCTION				OPERATION			
	PROFESSIONALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL	PROFESSIONALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL
			Field workers				Field workers	
1976			83					
1977			166					
1978			249					
1979			249					
1980			189				60	
1981			123				126	
1982			57				192	
1983			34				215	
1984			17				232	

INPUT OTHER THAN LABOUR: CONSTRUCTION (C), OPERATION (O)

Refer Bukit Peninjau Road Based Improvement Scheme

YEARLY PRODUCTION:
Oil palm peak production in year 1987 (12 500 tons of ffb)
Rubber peak production in year 1992 (320 tons of drc)
Cocoa peak production in year 1984 (90 tons of dbe)
Rice peak production in year 1983 (90 tons of padi)

NET REQUIREMENTS OF FOREIGN EXCHANGE YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

LINKS

LINKS TO OTHER PROJECTS AND DEVELOPMENT PACKAGES

NO: 11	NAME: Ulu Mamat Rural Development
NO:	NAME:
NO:	NAME:
NO:	NAME:
NO:	NAME:
NO:	NAME:
NO:	NAME:

FINANCING

POSSIBILITIES OF FINANCING:

1: FEDERAL GOVERNMENT		2: STATE GOVERNMENT	
3: LOCAL GOVERNMENT		4: STATUTORY BODIES	
5: PUBLIC FUNDS		6: PRIVATE DOMESTIC SAVINGS	✓
7: PRIVATE FOREIGN LOANS		8: PUBLIC FOREIGN LOANS	

REFERENCES

REFERENCES:

1: Supporting Report 2, Part II
2:
3:
4:
5:

IDENTIFICATION

PROJECT NUMBER: 129 SECTOR: AGRICULTURE

DEPARTMENT — PLANNING: / IMPLEMENTATION: / BUGET: — PRIVATE

NAME OF PROJECT: Clearing, planting and operating – Menatan Crop Area

CONTENTS

DESCRIPTION: Lambir-Subis RDA Private Inveator

Clearing, planting and operating of 1 550 acres
(Planting commences in 1977 and finishes in 1979)

Oil palm – 1 085 acres
Rubber – 310 acres
Cocoa – 100 acres
Rice – 55 acres

COSTS AND REVENUES (1973 PRICES)

TOTAL INVESTMENT COSTS: $1 398 000
(1976 to 1980 – $1 221 000)

INVESTMENT PERIOD: 1976 to 1985

INVESTMENT YEAR BY YEAR: $'000

1: $50	2: $271	3: $354	4: $378	5: $168
6: $95	7: $35	8: $27	9: $17	10: $3

OPERATING COSTS YEAR BY YEAR: $'000

1:	2:	3: $2	4: $70	5: $177
6: $287	7: $321	8: $337	9: $351	10: $376
11: $380	12: $380	13: $380	14: $380	15: $380
16: $380	17: $380	18: $380	19: $380	20: $380

REVENUES YEAR BY YEAR: $'000

1:	2:	3: $4	4: $23	5: $131
6: $305	7: $511	8: $663	9: $765	10: $822
11: $842	12: $842	13: $842	14: $842	15: $842
16: $842	17: $842	18: $842	19: $842	20: $842

SHORT DESCRIPTION OF POSSIBLE ECONOMIES OF SCALE CONCERNING INVESTMENT AND OPERATION COSTS

UNIT (OR ITEM) COSTS AND UNIT (OR ITEM) REVENUES:

Refer Bukit Peninjau Road Based Improvement Scheme

DERIVED EFFECTS OF IMPLEMENTING THE PROJECT

MAIN EFFECTS ON THE ENVIRONMENT: 156 farmers benefited

EMPLOYMENT:

YEAR	CONSTRUCTION				OPERATION			
	PROFESSIONALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL	PROFESSIONALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL
			Field workers				Field workers	
1976			52					
1977			104					
1978			156					
1979			156					
1980			119				37	
1981			78				78	
1982			37				119	
1983			22					
1984			11					

INPUT OTHER THAN LABOUR: CONSTRUCTION (C), OPERATION (O)

Refer Bukit Peninjau Road Based Improvement Scheme

YEARLY PRODUCTION:
Oil palm peak production in year 1987 (9 800 tons of ffb)
Rubber peak production in year 1992 (250 tons of drc)
Cocoa peak production in year 1984 (70 tons of dbc)
Rice peak production in year 1983 (70 tons of padi)

NET REQUIREMENTS OF FOREIGN EXCHANGE YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

LINKS

LINKS TO OTHER PROJECTS AND DEVELOPMENT PACKAGES

NO: 12	NAME: Menantan Rural Development
NO:	NAME:
NO:	NAME:
NO:	NAME:
NO:	NAME:
NO:	NAME:
NO:	NAME:

FINANCING

POSSIBILITIES OF FINANCING:

1: FEDERAL GOVERNMENT		2: STATE GOVERNMENT	
3: LOCAL GOVERNMENT		4: STATUTORY BODIES	
5: PUBLIC FUNDS		6: PRIVATE DOMESTIC SAVINGS	✓
7: PRIVATE FOREIGN LOANS		8: PUBLIC FOREIGN LOANS	

REFERENCES

REFERENCES:

1: Supporting Report 2, Part II
2:
3:
4:
5:

IDENTIFICATION

PROJECT NUMBER: 130 SECTOR: AGRICULTURE

DEPARTMENT: PLANNING: / IMPLEMENTATION: / BUGET: — PRIVATE

NAME OF PROJECT: Management - Menantan Private Crop Area

CONTENTS

DESCRIPTION: Private management of 1 550 acres

COSTS AND REVENUES (1973 PRICES)

TOTAL INVESTMENT COSTS: $162 000 INVESTMENT PERIOD: 1976 to 1979

INVESTMENT YEAR BY YEAR: $'000

1: $26	2: $47	3: $29	4: $60	5:
6:	7:	8:	9:	10:

OPERATING COSTS YEAR BY YEAR: $'000

1: $20	2: $62	3: $72	4: $80	5: $80
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

REVENUES YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

SHORT DESCRIPTION OF POSSIBLE ECONOMIES OF SCALE CONCERNING INVESTMENT AND OPERATION COSTS

UNIT (OR ITEM) COSTS AND UNIT (OR ITEM) REVENUES:

DERIVED EFFECTS OF IMPLEMENTING THE PROJECT

MAIN EFFECTS ON THE ENVIRONMENT: 156 farmers benefited

EMPLOYMENT:

YEAR	CONSTRUCTION				OPERATION			
	PROFESSIO-NALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL	PROFESSIO-NALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL
1976					1			1
1977					3			3
1978					5			5
1979					6			6
1980					7			7

INPUT OTHER THAN LABOUR: CONSTRUCTION (C), OPERATION (O)

Refer Bukit Peninjau Road Based Improvement Scheme

YEARLY PRODUCTION:

NET REQUIREMENTS OF FOREIGN EXCHANGE YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

LINKS

LINKS TO OTHER PROJECTS AND DEVELOPMENT PACKAGES

NO: 12	NAME: Menantan Rural Development
NO:	NAME:
NO:	NAME:
NO:	NAME:
NO:	NAME:
NO:	NAME:
NO:	NAME:

FINANCING

POSSIBILITIES OF FINANCING:

1: FEDERAL GOVERNMENT		2: STATE GOVERNMENT	
3: LOCAL GOVERNMENT		4: STATUTORY BODIES	
5: PUBLIC FUNDS		6: PRIVATE DOMESTIC SAVINGS	✓
7: PRIVATE FOREIGN LOANS		8: PUBLIC FOREIGN LOANS	

REFERENCES

REFERENCES:

1: Supporting Report 2, Part III
2:
3:
4:
5:

IDENTIFICATION

PROJECT NUMBER: 131 SECTOR: AGRICULTURE

DEPARTMENT: PLANNING: / IMPLEMENTATION: / BUGET: — PRIVATE

NAME OF PROJECT: Clearing, planting and operating - Ulu Klad Area

CONTENTS

DESCRIPTION: Lambir-Subis Private Investor

Clearing, planting and operating of 1 800 acres
(Planting commences in 1977 and finishes in 1979)

Oil palm - 1 260 acres
Rubber - 360 acres
Cocoa - 115 acres
Rice - 65 acres

COSTS AND REVENUES (1973 PRICES)

TOTAL INVESTMENT COSTS: $1 623 000 (1976 to 1980 - $1 418 000) INVESTMENT PERIOD: 1976 to 1985

INVESTMENT YEAR BY YEAR: $'000

1: $58	2: $315	3: $411	4: $439	5: $195
6: $110	7: $41	8: $31	9: $20	10: $3

OPERATING COSTS YEAR BY YEAR: $'000

1:	2:	3: $2	4: $82	5: $206
6: $333	7: $373	8: $391	9: $408	10: $436
11: $441	12: $441	13: $441	14: $441	15: $441
16: $441	17: $441	18: $441	19: $441	20: $441

REVENUES YEAR BY YEAR: $'000

1:	2:	3: $5	4: $27	5: $152
6: $355	7: $593	8: $770	9: $889	10: $954
11: $978	12: $978	13: $978	14: $978	15: $978
16: $978	17: $978	18: $978	19: $978	20: $978

SHORT DESCRIPTION OF POSSIBLE ECONOMIES OF SCALE CONCERNING INVESTMENT AND OPERATION COSTS

UNIT (OR ITEM) COSTS AND UNIT (OR ITEM) REVENUES:

Refer Bukit Peninjau Road Based Improvement Scheme

DERIVED EFFECTS OF IMPLEMENTING THE PROJECT

MAIN EFFECTS ON THE ENVIRONMENT: 120 farmers benefited

EMPLOYMENT:

YEAR	CONSTRUCTION				OPERATION			
	PROFESSIONALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL	PROFESSIONALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL
			Field workers				Field workers	
1976			60					
1977			120					
1978			180					
1979			180					
1980			137				43	
1981			90				90	
1982			43				137	
1983			26					

INPUT OTHER THAN LABOUR: CONSTRUCTION (C), OPERATION (O)

Refer Bukit Peninjau Road Based Improvement Scheme

YEARLY PRODUCTION: Oil palm peak production in year 1987 (11 300 tons of ffb)
Rubber peak production in year 1992 (290 tons of drc)
Cocoa peak production in year 1984 (80 tons of dbe)
Rice peak production in year 1983 (80 tons of padi)

NET REQUIREMENTS OF FOREIGN EXCHANGE YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

LINKS

LINKS TO OTHER PROJECTS AND DEVELOPMENT PACKAGES

NO: 13 NAME: Ulu Klad Rural Development
NO: NAME:
NO: NAME:
NO: NAME:
NO: NAME:
NO: NAME:
NO: NAME:

FINANCING

POSSIBILITIES OF FINANCING:

1: FEDERAL GOVERNMENT		2: STATE GOVERNMENT	
3: LOCAL GOVERNMENT		4: STATUTORY BODIES	
5: PUBLIC FUNDS		6: PRIVATE DOMESTIC SAVINGS	✓
7: PRIVATE FOREIGN LOANS		8: PUBLIC FOREIGN LOANS	

REFERENCES

REFERENCES:

1: Supporting Report 2, Part II
2:
3:
4:
5:

IDENTIFICATION

PROJECT NUMBER: 132 SECTOR: AGRICULTURE

DEPARTMENT — PLANNING: / IMPLEMENTATION: / BUGET: } PRIVATE

NAME OF PROJECT: Management Private - Ulu Klad Area

CONTENTS

DESCRIPTION: Private management of 1 800 acres of cropped area

COSTS AND REVENUES (1973 PRICES)

TOTAL INVESTMENT COSTS: $188 000 INVESTMENT PERIOD: 1976 to 1979

INVESTMENT YEAR BY YEAR:

1: $30	2: $55	3: $34	4: $69	5:
6:	7:	8:	9:	10:

OPERATING COSTS YEAR BY YEAR:

1: $23	2: $72	3: $84	4: $93	5: $93
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

REVENUES YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

SHORT DESCRIPTION OF POSSIBLE ECONOMIES OF SCALE CONCERNING INVESTMENT AND OPERATION COSTS

UNIT (OR ITEM) COSTS AND UNIT (OR ITEM) REVENUES:

DERIVED EFFECTS OF IMPLEMENTING THE PROJECT

MAIN EFFECTS ON THE ENVIRONMENT: 120 farmers benefited

EMPLOYMENT:

YEAR	CONSTRUCTION				OPERATION			
	PROFESSIO-NALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL	PROFESSIO-NALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL
1976					2			2
1977					4			4
1978					6			6
1979					7			7
1980					8			8

INPUT OTHER THAN LABOUR: CONSTRUCTION (C), OPERATION (O)

YEARLY PRODUCTION:

NET REQUIREMENTS OF FOREIGN EXCHANGE YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

LINKS

LINKS TO OTHER PROJECTS AND DEVELOPMENT PACKAGES

NO: 13	NAME: Ulu Klad Rural Development
NO:	NAME:
NO:	NAME:
NO:	NAME:
NO:	NAME:
NO:	NAME:
NO:	NAME:

FINANCING

POSSIBILITIES OF FINANCING:

1: FEDERAL GOVERNMENT		2: STATE GOVERNMENT	
3: LOCAL GOVERNMENT		4: STATUTORY BODIES	
5: PUBLIC FUNDS		6: PRIVATE DOMESTIC SAVINGS	✓
7: PRIVATE FOREIGN LOANS		8: PUBLIC FOREIGN LOANS	

REFERENCES

REFERENCES:

1: Supporting Report 2, Part III
2:
3:
4:
5:

IDENTIFICATION

PROJECT NUMBER: 133 SECTOR: AGRICULTURE

DEPARTMENT		
	PLANNING:	ADU
	IMPLEMENTATION:	PRIVATE
	BUGET:	PRIVATE

NAME OF PROJECT: Clearing, planting and operating - Beluru Road Based Improvement Scheme

CONTENTS

DESCRIPTION: Clearing, planting and operating of 5 290 acres
(Planting commences in 1977 and finishes in 1982)

Oil palm - 1 850 acres
Rubber - 2 150 acres
Cocoa - 430 acres
Rice - 340 acres
Other crops - 520 acres

325 farmers

COSTS AND REVENUES (1973 PRICES)

TOTAL INVESTMENT COSTS: $3 905 000 (1976 to 1980 - $1 898 000) INVESTMENT PERIOD: 1976 to 1988 inclusive

INVESTMENT YEAR BY YEAR: $'000

1: $90	2: $448	3: $408	4: $462	5: $490
6: $472	7: $753	8: $354	9: $173	10: $110
11: $74	12: $52	13: $19		

OPERATING COSTS YEAR BY YEAR: $'000

1:	2:	3: $28	4: $105	5: $218
6: $311	7: $414	8: $613	9: $802	10: $971
11: $1 061	12: $1 118	13: $1 252	14: $1 297	15: $1 297
16: $1 297	17: $1 297	18: $1 297	19: $1 297	20: $1 297

REVENUES YEAR BY YEAR: $'000

1:	2:	3: $39	4: $72	5: $225
6: $398	7: $607	8: $938	9: $1 212	10: $1 552
11: $1 803	12: $1 985	13: $2 154	14: $2 247	15: $2 247
16: $2 247	17: $2 247	18: $2 247	19: $2 247	20: $2 247

SHORT DESCRIPTION OF POSSIBLE ECONOMIES OF SCALE CONCERNING INVESTMENT AND OPERATION COSTS

UNIT (OR ITEM) COSTS AND UNIT (OR ITEM) REVENUES:

Refer Bukit Peninjau Road Based Improvement Scheme

DERIVED EFFECTS OF IMPLEMENTING THE PROJECT

MAIN EFFECTS ON THE ENVIRONMENT: 325 farmers will be benefited by 1982

EMPLOYMENT:

YEAR	CONSTRUCTION				OPERATION			
	PROFESSIONALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL	PROFESSIONALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL
			Field workers				Field workers	
1976			150					
1977			210					
1978			300					
1979			400					
1980							440	
1981							650	

INPUT OTHER THAN LABOUR: CONSTRUCTION (C), OPERATION (O)

Refer Bukit Peninjau Road Based Improvement Scheme

YEARLY PRODUCTION:
Oil palm peak production in year 1989 (14 000 tons of ffb)
Rubber peak production in year 1995 (1 460 tons of drc)
Cocoa peak production in year 1987 (250 tons of dbe)
Rice peak production in year 1986 (420 tons of padi)

NET REQUIREMENTS OF FOREIGN EXCHANGE YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

LINKS

LINKS TO OTHER PROJECTS AND DEVELOPMENT PACKAGES

NO: 19	NAME: Beluru RBD Rural Development
NO:	NAME:
NO:	NAME:
NO:	NAME:
NO:	NAME:
NO:	NAME:
NO:	NAME:

FINANCING

POSSIBILITIES OF FINANCING:

1: FEDERAL GOVERNMENT		2: STATE GOVERNMENT	
3: LOCAL GOVERNMENT		4: STATUTORY BODIES	
5: PUBLIC FUNDS		6: PRIVATE DOMESTIC SAVINGS	✓
7: PRIVATE FOREIGN LOANS		8: PUBLIC FOREIGN LOANS	

REFERENCES

REFERENCES:

1: Supporting Report 2, Part II
2:
3:
4:
5:

IDENTIFICATION

PROJECT NUMBER: 134 SECTOR: AGRICULTURE

DEPARTMENT

PLANNING: ADU
IMPLEMENTATION: PRIVATE
BUGET: PRIVATE

NAME OF PROJECT: Clearing, planting and operating - Marudi Road Based Improvement Scheme

CONTENTS

DESCRIPTION: Clearing, planting and operating of 4 180 acres
(Planting commences in 1977 and finishes in 1982)

Rubber - 2 830 acres
Cocoa - 350 acres
Rice - 350 acres
Other crops - 650 acres

250 farmers

COSTS AND REVENUES (1973 PRICES)

TOTAL INVESTMENT COSTS: $3 625 000
(1976 to 1980 - $2 097 000)

INVESTMENT PERIOD: 1976 to 1988

INVESTMENT YEAR BY YEAR: $'000

1: $96	2: $470	3: $422	4: $543	5: $566
6: $461	7: $442	8: $253	9: $165	10: $108
11: $60	12: $30	13: $9		

OPERATING COSTS YEAR BY YEAR: $'000

1:	2: $39	3: $55	4: $121	5: $167
6: $231	7: $560	8: $598	9: $762	10: $917
11: $1 014	12: $1 093	13: $1 119	14: $1 119	15: $1 119
16: $1 119	17: $1 119	18: $1 119	19: $1 119	20: $1 119

REVENUES YEAR BY YEAR: $'000

1:	2: $53	3: $72	4: $170	5: $254
6: $339	7: $611	8: $844	9: $1 059	10: $1 273
11: $1 408	12: $1 513	13: $1 555	14: $1 555	15: $1 555
16: $1 555	17: $1 555	18: $1 555	19: $1 555	20: $1 555

SHORT DESCRIPTION OF POSSIBLE ECONOMIES OF SCALE CONCERNING INVESTMENT AND OPERATION COSTS

UNIT (OR ITEM) COSTS AND UNIT (OR ITEM) REVENUES:

Refer Bukit Peninjau Road Based Improvement Scheme

DERIVED EFFECTS OF IMPLEMENTING THE PROJECT

MAIN EFFECTS ON THE ENVIRONMENT: 250 farmers will be benefited

EMPLOYMENT:

YEAR	CONSTRUCTION				OPERATION			
	PROFESSIONALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL	PROFESSIONALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL
			Field workers				Field workers	
1976			150					
1977			210					
1978			300					
1979			400					
1980			440					
1981							500	

INPUT OTHER THAN LABOUR: CONSTRUCTION (C), OPERATION (O)

Refer Bukit Peninjau Road Based Improvement Scheme

YEARLY PRODUCTION: Rubber peak production in year 1995 (1 920 tons of drc)
Cocoa peak production in year 1987 (200 tons of dbe)
Rice peak production in year 1986 (430 tons of padi)

NET REQUIREMENTS OF FOREIGN EXCHANGE YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

LINKS

LINKS TO OTHER PROJECTS AND DEVELOPMENT PACKAGES

NO:	NAME:
20	Marudi RBD Rural Development

FINANCING

POSSIBILITIES OF FINANCING:

1: FEDERAL GOVERNMENT		2: STATE GOVERNMENT	
3: LOCAL GOVERNMENT		4: STATUTORY BODIES	
5: PUBLIC FUNDS		6: PRIVATE DOMESTIC SAVINGS	✓
7: PRIVATE FOREIGN LOANS		8: PUBLIC FOREIGN LOANS	

REFERENCES

REFERENCES:

1: Supporting Report 2, Part II
2:
3:
4:
5:

IDENTIFICATION

PROJECT NUMBER: 135 SECTOR: AGRICULTURE

DEPARTMENT — PLANNING: ADU; IMPLEMENTATION: PRIVATE; BUGET: PRIVATE

NAME OF PROJECT: Clearing, planting and operating - Bintulu 10th mile Road Based Improvement Scheme

CONTENTS

DESCRIPTION: Clearing, planting and operating of 3 300 acres of land (Planting commences in 1977 and finishes in 1982)

Rubber - 2 280 acres
Cocoa - 280 acres
Rice 280 acres
Other crops - 460 acres

200 farmers

COSTS AND REVENUES (1973 PRICES)

TOTAL INVESTMENT COSTS: $2 862 000 (1976 to 1980 - $1 866 000) INVESTMENT PERIOD: 1976 to 1988

INVESTMENT YEAR BY YEAR: $'000

1: $96	2: $470	3: $416	4: $482	5: $396
6: $318	7: $293	8: $172	9: $105	10: $62
11: $31	12: $16	13: $5		

OPERATING COSTS YEAR BY YEAR: $'000

1:	2: $39	3: $55	4: $118	5: $151
6: $207	7: $394	8: $546	9: $683	10: $778
11: $828	12: $870	13: $883	14: $883	15: $883
16: $883	17: $883	18: $883	19: $883	20: $883

REVENUES YEAR BY YEAR: $'000

1:	2: $53	3: $72	4: $167	5: $232
6: $305	7: $547	8: $763	9: $945	10: $1 081
11: $1 299	12: $1 206	13: $1 228	14: $1 228	15: $1 228
16: $1 228	17: $1 228	18: $1 228	19: $1 228	20: $1 228

SHORT DESCRIPTION OF POSSIBLE ECONOMIES OF SCALE CONCERNING INVESTMENT AND OPERATION COSTS

UNIT (OR ITEM) COSTS AND UNIT (OR ITEM) REVENUES:

Refer Bukit Peninjau Road Based Improvement Scheme

DERIVED EFFECTS OF IMPLEMENTING THE PROJECT

MAIN EFFECTS ON THE ENVIRONMENT: 200 farmers will be benefited by 1982

EMPLOYMENT:

YEAR	CONSTRUCTION				OPERATION			
	PROFESSIONALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL	PROFESSIONALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL
			Field workers				Field workers	
1976			150					
1977			210					
1978			300					
1979			350					
1980			370					
1981							400	

INPUT OTHER THAN LABOUR: CONSTRUCTION (C), OPERATION (O)

Refer Bukit Peninjau Road Based Improvement Scheme

YEARLY PRODUCTION: Rubber peak production in year 1995 (1 550 tons of drc)
Cocoa peak production in year 1987 (160 tons of dbe)
Rice peak production in year 1986 (340 tons of padi)

NET REQUIREMENTS OF FOREIGN EXCHANGE YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

LINKS

LINKS TO OTHER PROJECTS AND DEVELOPMENT PACKAGES

NO: 21	NAME: Bintulu RBD Rural Development
NO:	NAME:
NO:	NAME:
NO:	NAME:
NO:	NAME:
NO:	NAME:
NO:	NAME:

FINANCING

POSSIBILITIES OF FINANCING:

1: FEDERAL GOVERNMENT		2: STATE GOVERNMENT	
3: LOCAL GOVERNMENT		4: STATUTORY BODIES	
5: PUBLIC FUNDS		6: PRIVATE DOMESTIC SAVINGS	✓
7: PRIVATE FOREIGN LOANS		8: PUBLIC FOREIGN LOANS	

REFERENCES

REFERENCES:

1: Supporting Report 2, Part II
2:
3:
4:
5:

IDENTIFICATION

PROJECT NUMBER: 136 SECTOR: AGRICULTURE

DEPARTMENT — PLANNING: ADU; IMPLEMENTATION: PRIVATE; BUDGET: PRIVATE

NAME OF PROJECT: Clearing, planting and operating - Bekenu Road Based Improvement Scheme

CONTENTS

DESCRIPTION: Road Based Development
Clearing, planting and operating of 5 290 acres
(Planting commences in 1977 and finishes in 1982)

Oil palm	- 1 850 acres
Rubber	- 2 150 acres
Cocoa	- 430 acres
Rice	- 340 acres
Other crops	- 520 acres

325 farmers

COSTS AND REVENUES (1973 PRICES)

TOTAL INVESTMENT COSTS: $3 905 000 (1976 to 1980 - $1 898 000)

INVESTMENT PERIOD: 1976 to 1988 inclusive

INVESTMENT YEAR BY YEAR: $'000

1: $90	2: $448	3: $408	4: $462	5: $490
6: $472	7: $753	8: $354	9: $173	10: $110
11: $74	12: $52	13: $19		

OPERATING COSTS YEAR BY YEAR: $'000

1:	2:	3: $28	4: $105	5: $218
6: $311	7: $414	8: $613	9: $802	10: $971
11: $1 061	12: $1 118	13: $1 252	14: $1 297	15: $1 297
16: $1 297	17: $1 297	18: $1 297	19: $1 297	20: $1 297

REVENUES YEAR BY YEAR: $'000

1:	2:	3: $39	4: $72	5: $225
6: $398	7: $607	8: $938	9: $1 212	10: $1 552
11: $1 803	12: $1 985	13: $2 154	14: $2 247	15: $2 247
16: $2 247	17: $2 247	18: $2 247	19: $2 247	20: $2 247

SHORT DESCRIPTION OF POSSIBLE ECONOMIES OF SCALE CONCERNING INVESTMENT AND OPERATION COSTS

UNIT (OR ITEM) COSTS AND UNIT (OR ITEM) REVENUES:

Refer Bukit Peninjau Road Based Improvement Scheme

DERIVED EFFECTS OF IMPLEMENTING THE PROJECT

MAIN EFFECTS ON THE ENVIRONMENT: 325 farmers will be benefited by 1982

EMPLOYMENT:

YEAR	CONSTRUCTION				OPERATION			
	PROFESSIONALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL	PROFESSIONALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL
			Field workers				Field workers	
1976			150					
1977			210					
1978			300					
1979			400					
1980							440	
1981							650	
1982								

INPUT OTHER THAN LABOUR: CONSTRUCTION (C), OPERATION (O)

Refer Bukit Peninjau Road Based Improvement Scheme

YEARLY PRODUCTION:

Oil palm	peak production in year 1989 (14 000 tons of ffb)
Rubber	peak production in year 1995 (1 460 tons of drc)
Cocoa	peak production in year 1987 (250 tons of dbe)
Rice	peak production in year 1986 (420 tons of padi)

NET REQUIREMENTS OF FOREIGN EXCHANGE YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

LINKS

LINKS TO OTHER PROJECTS AND DEVELOPMENT PACKAGES

NO: 22	NAME: Bekenu RBD Rural Development
NO:	NAME:
NO:	NAME:
NO:	NAME:
NO:	NAME:
NO:	NAME:
NO:	NAME:

FINANCING

POSSIBILITIES OF FINANCING:

1: FEDERAL GOVERNMENT	☐	2: STATE GOVERNMENT	☐
3: LOCAL GOVERNMENT	☐	4: STATUTORY BODIES	☐
5: PUBLIC FUNDS	☐	6: PRIVATE DOMESTIC SAVINGS	✓
7: PRIVATE FOREIGN LOANS	☐	8: PUBLIC FOREIGN LOANS	☐

REFERENCES

REFERENCES:

1: Supporting Report 2, Part II
2:
3:
4:
5:

IDENTIFICATION

PROJECT NUMBER: 137 SECTOR: FORESTRY

DEPARTMENT

PLANNING: FD/PRIVATE
IMPLEMENTATION: PRIVATE
BUGET: PRIVATE

NAME OF PROJECT: Salvage logging - Galasah

CONTENTS

DESCRIPTION: Salvage felling of forest land for agricultural cultivation
5 100 acres - felling, skidding and loading

COSTS AND REVENUES (1973 PRICES)

TOTAL INVESTMENT COSTS: OPERATION PERIOD: 1976

INVESTMENT YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:

OPERATING COSTS YEAR BY YEAR: $'000

1: $1 060	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

REVENUES YEAR BY YEAR: $'000

1: $1 610	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

SHORT DESCRIPTION OF POSSIBLE ECONOMIES OF SCALE CONCERNING INVESTMENT AND OPERATION COSTS

UNIT (OR ITEM) COSTS AND UNIT (OR ITEM) REVENUES:

DERIVED EFFECTS OF IMPLEMENTING THE PROJECT

MAIN EFFECTS ON THE ENVIRONMENT:

EMPLOYMENT:

YEAR	CONSTRUCTION				OPERATION			
	PROFESSIO-NALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL	PROFESSIO-NALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL
1								20
2								
3								
4								
5								
6								
7								
8								
9								
10								

INPUT OTHER THAN LABOUR: CONSTRUCTION (C), OPERATION (O)

4 Tractors, saws, 1 loader

YEARLY PRODUCTION: 20 400 tons

NET REQUIREMENTS OF FOREIGN EXCHANGE YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

LINKS

LINKS TO OTHER PROJECTS AND DEVELOPMENT PACKAGES

NO: 6	NAME: Galasah Rural Development
NO:	NAME:
NO:	NAME:
NO:	NAME:
NO:	NAME:
NO:	NAME:
NO:	NAME:

FINANCING

POSSIBILITIES OF FINANCING:

1: FEDERAL GOVERNMENT		2: STATE GOVERNMENT	
3: LOCAL GOVERNMENT		4: STATUTORY BODIES	
5: PUBLIC FUNDS	✓	6: PRIVATE DOMESTIC SAVINGS	
7: PRIVATE FOREIGN LOANS		8: PUBLIC FOREIGN LOANS	

REFERENCES

REFERENCES:

1: Supporting Report 3, Part I
2:
3:
4:
5:

IDENTIFICATION

PROJECT NUMBER: 138 SECTOR: FORESTRY

DEPARTMENT — PLANNING: FD; IMPLEMENTATION: PRIVATE; BUGET: PRIVATE

NAME OF PROJECT: Salvage logging - Lamsus

CONTENTS

DESCRIPTION: Salvage felling of forest land for agricultural cultivation
8 700 acres - felling, skidding and loading

COSTS AND REVENUES (1973 PRICES)

TOTAL INVESTMENT COSTS: OPERATION PERIOD: 1976 to 1977

INVESTMENT YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:

OPERATING COSTS YEAR BY YEAR: $'000

1: $905	2: $905	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

REVENUES YEAR BY YEAR: $'000

1: $2 750	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

SHORT DESCRIPTION OF POSSIBLE ECONOMIES OF SCALE CONCERNING INVESTMENT AND OPERATION COSTS

UNIT (OR ITEM) COSTS AND UNIT (OR ITEM) REVENUES:

DERIVED EFFECTS OF IMPLEMENTING THE PROJECT

MAIN EFFECTS ON THE ENVIRONMENT:

EMPLOYMENT:

YEAR	CONSTRUCTION				OPERATION			
	PROFESSIONALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL	PROFESSIONALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL
1								
2								17
3								17
4								
5								
6								
7								
8								
9								
10								

INPUT OTHER THAN LABOUR: CONSTRUCTION (C), OPERATION (O)

YEARLY PRODUCTION:

NET REQUIREMENTS OF FOREIGN EXCHANGE YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

LINKS

LINKS TO OTHER PROJECTS AND DEVELOPMENT PACKAGES

NO: 8	NAME: Lamsus Rural Development
NO:	NAME:
NO:	NAME:
NO:	NAME:
NO:	NAME:
NO:	NAME:
NO:	NAME:

FINANCING

POSSIBILITIES OF FINANCING:

1: FEDERAL GOVERNMENT		2: STATE GOVERNMENT	
3: LOCAL GOVERNMENT		4: STATUTORY BODIES	
5: PUBLIC FUNDS		6: PRIVATE DOMESTIC SAVINGS	✓
7: PRIVATE FOREIGN LOANS		8: PUBLIC FOREIGN LOANS	

REFERENCES

REFERENCES:

1: Supporting Report 3, Part I
2:
3:
4:
5:

IDENTIFICATION

PROJECT NUMBER: 139 SECTOR: FORESTRY

DEPARTMENT — PLANNING: FD; IMPLEMENTATION: PRIVATE; BUGET: PRIVATE

NAME OF PROJECT: Salvage felling – Ulu Klad

CONTENTS

DESCRIPTION: Salvage felling of forest land for agricultural cultivation
2 000 acres – felling, skidding and loading

COSTS AND REVENUES (1973 PRICES)

TOTAL INVESTMENT COSTS: OPERATION PERIOD: 1975

INVESTMENT YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:

OPERATING COSTS YEAR BY YEAR: $'000

1: $420	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

REVENUES YEAR BY YEAR: $'000

1: $630	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

SHORT DESCRIPTION OF POSSIBLE ECONOMIES OF SCALE CONCERNING INVESTMENT AND OPERATION COSTS

UNIT (OR ITEM) COSTS AND UNIT (OR ITEM) REVENUES:

DERIVED EFFECTS OF IMPLEMENTING THE PROJECT

MAIN EFFECTS ON THE ENVIRONMENT:

EMPLOYMENT:

YEAR	CONSTRUCTION				OPERATION			
	PROFESSIO-NALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL	PROFESSIO-NALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL
1								8
2								
3								
4								
5								
6								
7								
8								
9								
10								

INPUT OTHER THAN LABOUR: CONSTRUCTION (C), OPERATION (O)
2 Tractors, saws

YEARLY PRODUCTION: 8 000 tons

NET REQUIREMENTS OF FOREIGN EXCHANGE YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

LINKS

LINKS TO OTHER PROJECTS AND DEVELOPMENT PACKAGES

NO: 13	NAME: Ulu Klad Rural Development
NO:	NAME:
NO:	NAME:
NO:	NAME:
NO:	NAME:
NO:	NAME:
NO:	NAME:

FINANCING

POSSIBILITIES OF FINANCING:

1: FEDERAL GOVERNMENT		2: STATE GOVERNMENT	
3: LOCAL GOVERNMENT		4: STATUTORY BODIES	
5: PUBLIC FUNDS		6: PRIVATE DOMESTIC SAVINGS	✓
7: PRIVATE FOREIGN LOANS		8: PUBLIC FOREIGN LOANS	

REFERENCES

REFERENCES:

1: Supporting Report 3, Part I
2:
3:
4:
5:

IDENTIFICATION

PROJECT NUMBER: 140 SECTOR: FORESTRY

DEPARTMENT

PLANNING: FD/PRIVATE
IMPLEMENTATION: PRIVATE
BUGET: PRIVATE

NAME OF PROJECT: Salvage felling - Ulu Masiat

CONTENTS

DESCRIPTION: Salvage felling of forest land for agricultural cultivation
3 800 acres - felling, skidding, loading and hauling

COSTS AND REVENUES (1973 PRICES)

TOTAL INVESTMENT COSTS: OPERATION PERIOD: 1977

INVESTMENT YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:

OPERATING COSTS YEAR BY YEAR: $'000

1: $790	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

REVENUES YEAR BY YEAR: $'000

1: $1 200	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

SHORT DESCRIPTION OF POSSIBLE ECONOMIES OF SCALE CONCERNING INVESTMENT AND OPERATION COSTS

UNIT (OR ITEM) COSTS AND UNIT (OR ITEM) REVENUES:

DERIVED EFFECTS OF IMPLEMENTING THE PROJECT

MAIN EFFECTS ON THE ENVIRONMENT:

EMPLOYMENT:

YEAR	CONSTRUCTION				OPERATION			
	PROFESSIO-NALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL	PROFESSIO-NALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL
1								
2								
3								
4								
5								
6								
7								
8								
9								
10								

INPUT OTHER THAN LABOUR: CONSTRUCTION (C), OPERATION (O)

YEARLY PRODUCTION:

NET REQUIREMENTS OF FOREIGN EXCHANGE YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

LINKS

LINKS TO OTHER PROJECTS AND DEVELOPMENT PACKAGES

NO: 15	NAME: Ulu Masiat Rural Development
NO:	NAME:
NO:	NAME:
NO:	NAME:
NO:	NAME:
NO:	NAME:
NO:	NAME:

FINANCING

POSSIBILITIES OF FINANCING:

1: FEDERAL GOVERNMENT	☐	2: STATE GOVERNMENT	☐
3: LOCAL GOVERNMENT	☐	4: STATUTORY BODIES	☐
5: PUBLIC FUNDS	☐	6: PRIVATE DOMESTIC SAVINGS	✓
7: PRIVATE FOREIGN LOANS	☐	8: PUBLIC FOREIGN LOANS	☐

REFERENCES

REFERENCES:

1: Supporting Report 3, Part I
2:
3:
4:
5:

IDENTIFICATION

PROJECT NUMBER: 141 SECTOR: FORESTRY

DEPARTMENT — PLANNING: FD/PRIVATE; IMPLEMENTATION: PRIVATE; BUGET: PRIVATE

NAME OF PROJECT: Salvage felling - Sungai Klad

CONTENTS

DESCRIPTION: Salvage felling of forest land for agricultural cultivation
14 000 acres - felling, skidding and loading

COSTS AND REVENUES (1973 PRICES)

TOTAL INVESTMENT COSTS: OPERATION PERIOD: 1976 to 1977

INVESTMENT YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:

OPERATING COSTS YEAR BY YEAR: $'000

1: $1 400	2: $1 510	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

REVENUES YEAR BY YEAR: $'000

1: $2 100	2: $2 320	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

SHORT DESCRIPTION OF POSSIBLE ECONOMIES OF SCALE CONCERNING INVESTMENT AND OPERATION COSTS

UNIT (OR ITEM) COSTS AND UNIT (OR ITEM) REVENUES:

DERIVED EFFECTS OF IMPLEMENTING THE PROJECT

MAIN EFFECTS ON THE ENVIRONMENT:

EMPLOYMENT:

YEAR	CONSTRUCTION				OPERATION			
	PROFESSIO-NALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL	PROFESSIO-NALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL
1								28
2								28
3								
4								
5								
6								
7								
8								
9								
10								

INPUT OTHER THAN LABOUR: CONSTRUCTION (C), OPERATION (O)
6 Tractors, saws, 1 wheel loader

YEARLY PRODUCTION: 56 000 tons

NET REQUIREMENTS OF FOREIGN EXCHANGE YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

LINKS

LINKS TO OTHER PROJECTS AND DEVELOPMENT PACKAGES

NO: 16	NAME: Sungai Klad Rural Development
NO:	NAME:
NO:	NAME:
NO:	NAME:
NO:	NAME:
NO:	NAME:
NO:	NAME:

FINANCING

POSSIBILITIES OF FINANCING:

1: FEDERAL GOVERNMENT		2: STATE GOVERNMENT	
3: LOCAL GOVERNMENT		4: STATUTORY BODIES	
5: PUBLIC FUNDS		6: PRIVATE DOMESTIC SAVINGS	✓
7: PRIVATE FOREIGN LOANS		8: PUBLIC FOREIGN LOANS	

REFERENCES

REFERENCES:

1: Supporting Report 3, Part I
2:
3:
4:
5:

IDENTIFICATION

PROJECT NUMBER: 142 SECTOR: FORESTRY

DEPARTMENT

PLANNING: FD/PRIVATE
IMPLEMENTATION: PRIVATE
BUGET: PRIVATE

NAME OF PROJECT: Final felling - Majam

CONTENTS

DESCRIPTION: Salvage felling of forest land for agricultural cultivation in case that ordinary logging has taken place previous to the agricultural development 4 700 acres - felling, skidding and loading

COSTS AND REVENUES (1971 PRICES)

TOTAL INVESTMENT COSTS: OPERATION PERIOD: 1976

INVESTMENT YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:

OPERATING COSTS YEAR BY YEAR: $'000

1: $980	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

REVENUES YEAR BY YEAR: $'000

1: $1 490	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

SHORT DESCRIPTION OF POSSIBLE ECONOMIES OF SCALE CONCERNING INVESTMENT AND OPERATION COSTS

UNIT (OR ITEM) COSTS AND UNIT (OR ITEM) REVENUES:

DERIVED EFFECTS OF IMPLEMENTING THE PROJECT

MAIN EFFECTS ON THE ENVIRONMENT:

EMPLOYMENT:

YEAR	CONSTRUCTION				OPERATION			
	PROFESSIONALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL	PROFESSIONALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL
1								
2								18
3								
4								
5								
6								
7								
8								
9								
10								

INPUT OTHER THAN LABOUR: CONSTRUCTION (C), OPERATION (O)

4 Tractors, saws, 1 loader

YEARLY PRODUCTION: 18 800 tons

NET REQUIREMENTS OF FOREIGN EXCHANGE YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

LINKS

LINKS TO OTHER PROJECTS AND DEVELOPMENT PACKAGES

NO: 14	NAME: Majam Rural Development
NO:	NAME:
NO:	NAME:
NO:	NAME:
NO:	NAME:
NO:	NAME:
NO:	NAME:

FINANCING

POSSIBILITIES OF FINANCING:

1: FEDERAL GOVERNMENT		2: STATE GOVERNMENT	
3: LOCAL GOVERNMENT		4: STATUTORY BODIES	
5: PUBLIC FUNDS	✓	6: PRIVATE DOMESTIC SAVINGS	
7: PRIVATE FOREIGN LOANS		8: PUBLIC FOREIGN LOANS	

REFERENCES

REFERENCES:

1: Supporting Report 3, Part I
2:
3:
4:
5:

IDENTIFICATION

PROJECT NUMBER: 144 SECTOR: HOUSING

DEPARTMENT: PLANNING: / IMPLEMENTATION: / BUGET: } PRIVATE

NAME OF PROJECT: Housing - Labang

CONTENTS

DESCRIPTION: Units of house - 41

COSTS AND REVENUES (1973 PRICES)

TOTAL INVESTMENT COSTS: $301 000 INVESTMENT PERIOD: Mid 1976 to 1980

INVESTMENT YEAR BY YEAR: $'000

1: $33	2: $66	3: $66	4: $66	5: $70
6:	7:	8:	9:	10:

OPERATING COSTS YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

REVENUES YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

SHORT DESCRIPTION OF POSSIBLE ECONOMIES OF SCALE CONCERNING INVESTMENT AND OPERATION COSTS

UNIT (OR ITEM) COSTS AND UNIT (OR ITEM) REVENUES:

	$
29 units	5 000
12 units	13 000

DERIVED EFFECTS OF IMPLEMENTING THE PROJECT

MAIN EFFECTS ON THE ENVIRONMENT:

EMPLOYMENT:

YEAR	CONSTRUCTION				OPERATION			
	PROFESSIONALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL	PROFESSIONALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL
1								
2								
3								
4								
5								
6								
7								
8								
9								
10								

INPUT OTHER THAN LABOUR: CONSTRUCTION (C), OPERATION (O)

YEARLY PRODUCTION:

NET REQUIREMENTS OF FOREIGN EXCHANGE YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

LINKS

LINKS TO OTHER PROJECTS AND DEVELOPMENT PACKAGES

NO: 10	NAME: Labang Town Development
NO:	NAME:
NO:	NAME:
NO:	NAME:
NO:	NAME:
NO:	NAME:
NO:	NAME:

FINANCING

POSSIBILITIES OF FINANCING:

1: FEDERAL GOVERNMENT		2: STATE GOVERNMENT	
3: LOCAL GOVERNMENT		4: STATUTORY BODIES	
5: PUBLIC FUNDS		6: PRIVATE DOMESTIC SAVINGS	✓
7: PRIVATE FOREIGN LOANS		8: PUBLIC FOREIGN LOANS	

REFERENCES

REFERENCES:

1: Supporting Report 6, Part V
2:
3:
4:
5:

IDENTIFICATION

PROJECT NUMBER: 145 SECTOR: TRANSPORT

DEPARTMENT: PLANNING: / IMPLEMENTATION: / BUGET: } PWD

NAME OF PROJECT: Labang-Tubau road

CONTENTS

DESCRIPTION: Secondary road standard
Total length - 17.3 miles, alignment according to trunk road standard

Width of formation - 36 feet
Pavement - 20 feet
Surface - gravel

COSTS AND REVENUES (1973 PRICES)

TOTAL INVESTMENT COSTS: $3 460 000 INVESTMENT PERIOD: 3 years

INVESTMENT YEAR BY YEAR: 1976+

1: $900 000	2: $1 600 000	3: $960 000	4:	5:
6:	7:	8:	9:	10:

OPERATING COSTS YEAR BY YEAR: 1977+

1: $23 000	2: $63 000	3: $87 000	4: $87 000	5: $207 000
6: $87 000	7: $87 000	8: $87 000	9: $207 000	10: etc
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

REVENUES YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

SHORT DESCRIPTION OF POSSIBLE ECONOMIES OF SCALE CONCERNING INVESTMENT AND OPERATION COSTS

UNIT (OR ITEM) COSTS AND UNIT (OR ITEM) REVENUES:

1 mile - $200 000

DERIVED EFFECTS OF IMPLEMENTING THE PROJECT

MAIN EFFECTS ON THE ENVIRONMENT: Links Labang with Tubau and at the same time to the whole road network system

EMPLOYMENT:

YEAR	CONSTRUCTION				OPERATION			
	PROFESSIONALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL	PROFESSIONALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL
1								
2								
3								3
4								9
5								12
6								12
7								
8								
9								
10								

INPUT OTHER THAN LABOUR: CONSTRUCTION (C), OPERATION (O)

YEARLY PRODUCTION:

NET REQUIREMENTS OF FOREIGN EXCHANGE YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

LINKS

LINKS TO OTHER PROJECTS AND DEVELOPMENT PACKAGES

NO: 17	NAME: Tubau RBD Rural Development
NO: 11	NAME: Tubau Town Development
NO: 17	NAME: Agricultural Development in Beseduan-Lebus
NO:	NAME:
NO:	NAME:
NO:	NAME:
NO:	NAME:

FINANCING

POSSIBILITIES OF FINANCING:

1: FEDERAL GOVERNMENT		2: STATE GOVERNMENT	✓
3: LOCAL GOVERNMENT		4: STATUTORY BODIES	
5: PUBLIC FUNDS		6: PRIVATE DOMESTIC SAVINGS	
7: PRIVATE FOREIGN LOANS		8: PUBLIC FOREIGN LOANS	

REFERENCES

REFERENCES:

1: Supporting Report 7
2: Supporting Report 6, Part II
3:
4:

IDENTIFICATION

PROJECT NUMBER: 146 SECTOR: TRANSPORT

DEPARTMENT: PLANNING: / IMPLEMENTATION: / BUGET: } PWD

NAME OF PROJECT: Sigrak road

CONTENTS

DESCRIPTION: Improved feeder road standard
Total length - 4 miles

Width of formation - 30 feet
Pavement - 18 feet
Surface - gravel

COSTS AND REVENUES (1973 PRICES)

TOTAL INVESTMENT COSTS: $600 000 INVESTMENT PERIOD: 1976

INVESTMENT YEAR BY YEAR: 1976 +

1: $600 000	2:	3:	4:	5:
6:	7:	8:	9:	10:

OPERATING COSTS YEAR BY YEAR: 1977 +

1: $20 000	2: $20 000	3: $20 000	4: $48 000	5: $20 000
6: $20 000	7: $20 000	8: $48 000	9: etc	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

REVENUES YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

SHORT DESCRIPTION OF POSSIBLE ECONOMIES OF SCALE CONCERNING INVESTMENT AND OPERATION COSTS

UNIT (OR ITEM) COSTS AND UNIT (OR ITEM) REVENUES:

1 mile - $150 000

DERIVED EFFECTS OF IMPLEMENTING THE PROJECT

MAIN EFFECTS ON THE ENVIRONMENT: Links Sigrak with the whole road network system, opens up forest areas for Bintulu Timber Complex

EMPLOYMENT:

YEAR	CONSTRUCTION				OPERATION			
	PROFESSIO-NALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL	PROFESSIO-NALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL
1								
2								
3								3
4								3
5								3
6								3
7								
8								
9								
10								

INPUT OTHER THAN LABOUR: CONSTRUCTION (C), OPERATION (O)

YEARLY PRODUCTION:

NET REQUIREMENTS OF FOREIGN EXCHANGE YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

LINKS

LINKS TO OTHER PROJECTS AND DEVELOPMENT PACKAGES

NO: 27	NAME: Bintulu Timber Complex
NO:	NAME: Agricultural development in Sigrak
NO:	NAME:
NO:	NAME:
NO:	NAME:
NO:	NAME:
NO:	NAME:

FINANCING

POSSIBILITIES OF FINANCING:

1: FEDERAL GOVERNMENT		2: STATE GOVERNMENT	✓
3: LOCAL GOVERNMENT		4: STATUTORY BODIES	
5: PUBLIC FUNDS		6: PRIVATE DOMESTIC SAVINGS	✓
7: PRIVATE FOREIGN LOANS		8: PUBLIC FOREIGN LOANS	

REFERENCES

REFERENCES:

1: Supporting Report 7
2: Supporting Report 6, Part II
3:
4:
5:

IDENTIFICATION

PROJECT NUMBER: 147 SECTOR: TRANSPORT

DEPARTMENT: PLANNING: / IMPLEMENTATION: / BUGET: } PMD

NAME OF PROJECT: Sigrak service centre – Sigrak village road

CONTENTS

DESCRIPTION: Feeder road standard
Total length – 2,8 miles
Width of formation – 28 feet
Pavement – 14 feet
Surface – gravel

COSTS AND REVENUES (1973 PRICES)

TOTAL INVESTMENT COSTS: $336 000 INVESTMENT PERIOD: 1976

INVESTMENT YEAR BY YEAR: 1976

1: $336 000	2:	3:	4:	5:
6:	7:	8:	9:	10:

OPERATING COSTS YEAR BY YEAR: 1977

1: $14 000	2: $14 000	3: $14 000	4: $34 000	5: $14 000
6: $14 000	7: $14 000	8: $34 000	9: etc	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

REVENUES YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

SHORT DESCRIPTION OF POSSIBLE ECONOMIES OF SCALE CONCERNING INVESTMENT AND OPERATION COSTS

UNIT (OR ITEM) COSTS AND UNIT (OR ITEM) REVENUES:

1 mile – $120 000

DERIVED EFFECTS OF IMPLEMENTING THE PROJECT

MAIN EFFECTS ON THE ENVIRONMENT: Links up Sigrak service centre with the Sigrak village, opens up forest land for Bintulu Timber Complex

EMPLOYMENT:

YEAR	CONSTRUCTION				OPERATION			
	PROFESSIONALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL	PROFESSIONALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL
1								
2								
3								
4								2
5								2
6								2
7								2
8								
9								
10								

INPUT OTHER THAN LABOUR: CONSTRUCTION (C), OPERATION (O)

YEARLY PRODUCTION:

NET REQUIREMENTS OF FOREIGN EXCHANGE YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

LINKS

LINKS TO OTHER PROJECTS AND DEVELOPMENT PACKAGES

NO: 27	NAME: Bintulu Timber Complex
NO:	NAME: Agricultural development in Sigrak
NO:	NAME:
NO:	NAME:
NO:	NAME:
NO:	NAME:
NO:	NAME:

FINANCING

POSSIBILITIES OF FINANCING:

1: FEDERAL GOVERNMENT		2: STATE GOVERNMENT	✓
3: LOCAL GOVERNMENT		4: STATUTORY BODIES	
5: PUBLIC FUNDS		6: PRIVATE DOMESTIC SAVINGS	✓
7: PRIVATE FOREIGN LOANS		8: PUBLIC FOREIGN LOANS	

REFERENCES

REFERENCES:

1: Supporting Report 7
2: Supporting Report 6, Part III
3:
4:
5:

IDENTIFICATION

PROJECT NUMBER: 168 SECTOR: TRANSPORT

DEPARTMENT — PLANNING: / IMPLEMENTATION: / BUGET: } PWD

NAME OF PROJECT: Miri-Bintulu road - Galasah road

CONTENTS

DESCRIPTION: Feeder road standard
Total length - 1.3 miles
Width of formation - 28 feet
Pavement - 14 feet
Surface - gravel

COSTS AND REVENUES (1973 PRICES)

TOTAL INVESTMENT COSTS: $156 000 INVESTMENT PERIOD: 1976

INVESTMENT YEAR BY YEAR: 1976

1: $156 000	2:	3:	4:	5:
6:	7:	8:	9:	10:

OPERATING COSTS YEAR BY YEAR: 1977+

1: $7 000	2: $7 000	3: $7 000	4: $16 000	5: $7 000
6: $7 000	7: $7 000	8: $16 000	9: etc	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

REVENUES YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

SHORT DESCRIPTION OF POSSIBLE ECONOMIES OF SCALE CONCERNING INVESTMENT AND OPERATION COSTS

UNIT (OR ITEM) COSTS AND UNIT (OR ITEM) REVENUES:

1 mile - $120 000

DERIVED EFFECTS OF IMPLEMENTING THE PROJECT

MAIN EFFECTS ON THE ENVIRONMENT: Links up Galasah with the main road network system

EMPLOYMENT:

YEAR	CONSTRUCTION				OPERATION			
	PROFESSIO-NALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL	PROFESSIO-NALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL
1								
2								
3								1
4								1
5								1
6								1
7								
8								
9								
10								

INPUT OTHER THAN LABOUR: CONSTRUCTION (C), OPERATION (O)

YEARLY PRODUCTION:

NET REQUIREMENTS OF FOREIGN EXCHANGE YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

LINKS

LINKS TO OTHER PROJECTS AND DEVELOPMENT PACKAGES

NO: 6	NAME: Galasah Rural Development
NO:	NAME:
NO:	NAME:
NO:	NAME:
NO:	NAME:
NO:	NAME:
NO:	NAME:

FINANCING

POSSIBILITIES OF FINANCING:

1: FEDERAL GOVERNMENT		2: STATE GOVERNMENT	✓
3: LOCAL GOVERNMENT		4: STATUTORY BODIES	
5: PUBLIC FUNDS		6: PRIVATE DOMESTIC SAVINGS	
7: PRIVATE FOREIGN LOANS		8: PUBLIC FOREIGN LOANS	

REFERENCES

REFERENCES:

1: Supporting Report 7
2: Supporting Report 6, Part II
3:
4:
5:

IDENTIFICATION

PROJECT NUMBER: 149 SECTOR: TRANSPORT

DEPARTMENT: PLANNING: / IMPLEMENTATION: / BUGET: } PWD

NAME OF PROJECT: Bridges - Lutong-Kuala Baram

CONTENTS

DESCRIPTION: 2 bridges along the Lutong-Kuala Baram road

COSTS AND REVENUES (1973 PRICES)

TOTAL INVESTMENT COSTS: $200 000 INVESTMENT PERIOD: 1976

INVESTMENT YEAR BY YEAR: 1976

1: $200 000	2:	3:	4:	5:
6:	7:	8:	9:	10:

OPERATING COSTS YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

REVENUES YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

SHORT DESCRIPTION OF POSSIBLE ECONOMIES OF SCALE CONCERNING INVESTMENT AND OPERATION COSTS

UNIT (OR ITEM) COSTS AND UNIT (OR ITEM) REVENUES:

DERIVED EFFECTS OF IMPLEMENTING THE PROJECT

MAIN EFFECTS ON THE ENVIRONMENT: Allows heavier traffic

EMPLOYMENT:

YEAR	CONSTRUCTION				OPERATION			
	PROFESSIO-NALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL	PROFESSIO-NALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL
1								
2								
3								
4								
5								
6								
7								
8								
9								
10								

INPUT OTHER THAN LABOUR: CONSTRUCTION (C), OPERATION (O)

YEARLY PRODUCTION:

NET REQUIREMENTS OF FOREIGN EXCHANGE YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

LINKS

LINKS TO OTHER PROJECTS AND DEVELOPMENT PACKAGES

NO: NAME:
NO: NAME:
NO: NAME:
NO: NAME:
NO: NAME:
NO: NAME:
NO: NAME:

FINANCING

POSSIBILITIES OF FINANCING:

1: FEDERAL GOVERNMENT		2: STATE GOVERNMENT	✓
3: LOCAL GOVERNMENT		4: STATUTORY BODIES	
5: PUBLIC FUNDS		6: PRIVATE DOMESTIC SAVINGS	✓
7: PRIVATE FOREIGN LOANS		8: PUBLIC FOREIGN LOANS	

REFERENCES

REFERENCES:

1: Supporting Report 7
2: PWD preliminary estimates (Mid-Term Review)
3:
4:
5:

IDENTIFICATION

PROJECT NUMBER: 150 SECTOR: TRANSPORT

DEPARTMENT — PLANNING: L & SD; IMPLEMENTATION: PWD; BUGET: PWD

NAME OF PROJECT: Urban roads – Bintulu

CONTENTS

DESCRIPTION: Construction of new roads in Bintulu excluding trunk roads.
Cost figures based on the town plan.
The project is only specified for the Action Programme period.

COSTS AND REVENUES (1973 PRICES)

TOTAL INVESTMENT COSTS: $900 000 INVESTMENT PERIOD: 1976 to 1980

INVESTMENT YEAR BY YEAR: 1976 +

1: $180 000	2: $180 000	3: $180 000	4: $180 000	5: $180 000
6:	7:	8:	9:	10:

OPERATING COSTS YEAR BY YEAR: 1977 +

1: $6 000	2: $12 000	3: $18 000	4: $24 000	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

REVENUES YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

SHORT DESCRIPTION OF POSSIBLE ECONOMIES OF SCALE CONCERNING INVESTMENT AND OPERATION COSTS

UNIT (OR ITEM) COSTS AND UNIT (OR ITEM) REVENUES:

DERIVED EFFECTS OF IMPLEMENTING THE PROJECT

MAIN EFFECTS ON THE ENVIRONMENT: Give access to new town areas

EMPLOYMENT:

YEAR	CONSTRUCTION				OPERATION			
	PROFESSIONALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL	PROFESSIONALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL
1977								4
1978								8
1979								12
1980								16

INPUT OTHER THAN LABOUR: CONSTRUCTION (C), OPERATION (O)

YEARLY PRODUCTION:

NET REQUIREMENTS OF FOREIGN EXCHANGE YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

LINKS

LINKS TO OTHER PROJECTS AND DEVELOPMENT PACKAGES

NO: 2	NAME: Bintulu Town Development
NO:	NAME:
NO:	NAME:
NO:	NAME:
NO:	NAME:
NO:	NAME:
NO:	NAME:

FINANCING

POSSIBILITIES OF FINANCING:

1: FEDERAL GOVERNMENT		2: STATE GOVERNMENT	✓
3: LOCAL GOVERNMENT		4: STATUTORY BODIES	
5: PUBLIC FUNDS		6: PRIVATE DOMESTIC SAVINGS	
7: PRIVATE FOREIGN LOANS		8: PUBLIC FOREIGN LOANS	

REFERENCES

REFERENCES:

1: Supporting Report 7
2: Supporting Report 5
3:
4:
5:

IDENTIFICATION

PROJECT NUMBER: 151 SECTOR: TRANSPORT

DEPARTMENT: PLANNING: / IMPLEMENTATION: / BUGET: } PWD

NAME OF PROJECT: Beluru road - Improvement

CONTENTS

DESCRIPTION: Up-grading to trunk road standard
Total length - 12 miles from the Miri-Bintulu road to Beluru

COSTS AND REVENUES (1973 PRICES)

TOTAL INVESTMENT COSTS: $2 160 000 INVESTMENT PERIOD: 1976 to 1978

INVESTMENT YEAR BY YEAR: 1976

1: $1 000 000	2: $1 000 000	3: $160 000	4:	5:
6:	7:	8:	9:	10:

OPERATING COSTS YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

REVENUES YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

SHORT DESCRIPTION OF POSSIBLE ECONOMIES OF SCALE CONCERNING INVESTMENT AND OPERATION COSTS

UNIT (OR ITEM) COSTS AND UNIT (OR ITEM) REVENUES:

DERIVED EFFECTS OF IMPLEMENTING THE PROJECT

MAIN EFFECTS ON THE ENVIRONMENT: Allows heavier traffic

EMPLOYMENT:

YEAR	CONSTRUCTION				OPERATION			
	PROFESSIO-NALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL	PROFESSIO-NALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL
1								
2								
3								
4								
5								
6								
7								
8								
9								
10								

INPUT OTHER THAN LABOUR: CONSTRUCTION (C), OPERATION (O)

YEARLY PRODUCTION:

NET REQUIREMENTS OF FOREIGN EXCHANGE YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

LINKS

LINKS TO OTHER PROJECTS AND DEVELOPMENT PACKAGES

NO: NAME:
NO: NAME:
NO: NAME:
NO: NAME:
NO: NAME:
NO: NAME:
NO: NAME:

FINANCING

POSSIBILITIES OF FINANCING:

1: FEDERAL GOVERNMENT		2: STATE GOVERNMENT	✓
3: LOCAL GOVERNMENT		4: STATUTORY BODIES	
5: PUBLIC FUNDS		6: PRIVATE DOMESTIC SAVINGS	
7: PRIVATE FOREIGN LOANS		8: PUBLIC FOREIGN LOANS	

REFERENCES

REFERENCES:

1: PWD preliminary estimates
2: Supporting Report 7
3:
4:
5:

IDENTIFICATION

PROJECT NUMBER: 152 SECTOR: PUBLIC SERVICES

DEPARTMENT
PLANNING: [redacted]DEP
IMPLEMENTATION: PWD
BUGET: [redacted]DEP

NAME OF PROJECT: Village police post

CONTENTS

DESCRIPTION: 1 Building
1 Toilet
Communication equipment
Fencing
Arms
Land requirements - 0.25 to 0.5 acre

COSTS AND REVENUES (1973 PRICES)

TOTAL INVESTMENT COSTS: $15 000 INVESTMENT PERIOD: 1 year

INVESTMENT YEAR BY YEAR:

1: $15 000	2:	3:	4:	5:
6:	7:	8:	9:	10:

OPERATING COSTS YEAR BY YEAR:

1: $3 700	2: $3 700	3: $3 700	4: $3 700	5: $3 700
6: $3 700	7: $3 700	8: $3 700	9: $3 700	10: $3 700
11: $3 700	12: $3 700	13: $3 700	14: $3 700	15: $3 700
16: $3 700	17: $3 700	18: $3 700	19: $3 700	20: $3 700

REVENUES YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

SHORT DESCRIPTION OF POSSIBLE ECONOMIES OF SCALE CONCERNING INVESTMENT AND OPERATION COSTS

UNIT (OR ITEM) COSTS AND UNIT (OR ITEM) REVENUES:

	$
Building	10 700
Equipment	3 600
Contingencies	700

DERIVED EFFECTS OF IMPLEMENTING THE PROJECT

MAIN EFFECTS ON THE ENVIRONMENT: Serves a population threshold of 1 500

EMPLOYMENT:

YEAR	CONSTRUCTION				OPERATION			
	PROFESSIO-NALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL	PROFESSIO-NALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL
1								
2								
3								
4								
5								
6							1	1
7								
8								
9								
10								

INPUT OTHER THAN LABOUR: CONSTRUCTION (C), OPERATION (O)

YEARLY PRODUCTION:

NET REQUIREMENTS OF FOREIGN EXCHANGE YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

LINKS

LINKS TO OTHER PROJECTS AND DEVELOPMENT PACKAGES

NO: NAME:
NO: NAME:
NO: NAME:
NO: NAME:
NO: NAME:
NO: NAME:
NO: NAME:

FINANCING

POSSIBILITIES OF FINANCING:

1: FEDERAL GOVERNMENT	✓	2: STATE GOVERNMENT	
3: LOCAL GOVERNMENT		4: STATUTORY BODIES	
5: PUBLIC FUNDS		6: PRIVATE DOMESTIC SAVINGS	
7: PRIVATE FOREIGN LOANS		8: PUBLIC FOREIGN LOANS	

REFERENCES

REFERENCES:

1: Supporting Report 6, Part I
2:
3:
4:
5:

IDENTIFICATION

PROJECT NUMBER: 153 SECTOR: PUBLIC SERVICES

DEPARTMENT
PLANNING: RMP
IMPLEMENTATION: PWD
BUGET: RMP

NAME OF PROJECT: Minor police station

CONTENTS

DESCRIPTION:
1 Administration building
Other ancillary buildings
1 Generator house
1 Toilet
1 Garage
Flag pole
Fencing

2 Class III/IV quarters
1 barrack block

Land requirements - 2-3 acres

Electricity and water
Parade ground
1 Standby generator
Communication equipment
1 Land rover, 1 Motor cycle
Furniture
Arms

COSTS AND REVENUES (1973 PRICES)

TOTAL INVESTMENT COSTS: $314 000 INVESTMENT PERIOD: 1 year

INVESTMENT YEAR BY YEAR:

1: $314 000	2:	3:	4:	5:
6:	7:	8:	9:	10:

OPERATING COSTS YEAR BY YEAR:

1: $61 000	2: $61 000	3: $61 000	4: $61 000	5: $61 000
6: $61 000	7: $61 000	8: $61 000	9: $61 000	10: $61 000
11: $61 000	12: $61 000	13: $61 000	14: $61 000	15: $61 000
16: $61 000	17: $61 000	18: $61 000	19: $61 000	20: $61 000

REVENUES YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

SHORT DESCRIPTION OF POSSIBLE ECONOMIES OF SCALE CONCERNING INVESTMENT AND OPERATION COSTS

UNIT (OR ITEM) COSTS AND UNIT (OR ITEM) REVENUES:

	$
Buildings	133 500
Quarters	103 000
Equipment	62 500
Contingencies	15 000

DERIVED EFFECTS OF IMPLEMENTING THE PROJECT

MAIN EFFECTS ON THE ENVIRONMENT: Serves a population threshold of 10 000

EMPLOYMENT:

YEAR	CONSTRUCTION				OPERATION			
	PROFESSIO-NALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL	PROFESSIO-NALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL
1								
2								
3								
4								
5								
6						3	9	12
7								
8								
9								
10								

INPUT OTHER THAN LABOUR: CONSTRUCTION (C), OPERATION (O)

YEARLY PRODUCTION:

NET REQUIREMENTS OF FOREIGN EXCHANGE YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

LINKS

LINKS TO OTHER PROJECTS AND DEVELOPMENT PACKAGES

NO: NAME:
NO: NAME:
NO: NAME:
NO: NAME:
NO: NAME:
NO: NAME:
NO: NAME:

FINANCING

POSSIBILITIES OF FINANCING:

1: FEDERAL GOVERNMENT	✓	2: STATE GOVERNMENT	
3: LOCAL GOVERNMENT		4: STATUTORY BODIES	
5: PUBLIC FUNDS		6: PRIVATE DOMESTIC SAVINGS	
7: PRIVATE FOREIGN LOANS		8: PUBLIC FOREIGN LOANS	

REFERENCES

REFERENCES:

1: Supporting Report 6, Part I
2:
3:
4:
5:

IDENTIFICATION

PROJECT NUMBER: 154 SECTOR: PUBLIC SERVICES

DEPARTMENT — PLANNING: EDUCATION; IMPLEMENTATION: PWD; BUGET: EDUCATION

NAME OF PROJECT: Lower secondary school (two streams) - permanent

CONTENTS

DESCRIPTION: A two stream school with teachers' quarters and boarding facilities, 280 students from 1 to 2
Concrete buildings which normally are provided in urban areas.

6 Classrooms, 1 Office, 1 Staff-room
1 Woodwork shop, 1 Science laboratory
Storage place, Books, Toilet
Electricity and water, Drainage
Levelling, Piling
7 Teachers' quarters,
2 Boarding houses
4 Houses for domestic staff

Library and reading room
1 Assembly hall
1 Home science room, 1 Canteen
Science and office equipment
Bicycle shelter, Internal roads
Sport grounds, Fencing
Land requirement - 6.5 acres

COSTS AND REVENUES (1973 PRICES)

TOTAL INVESTMENT COSTS: $1 065 000 excluding cost of land — INVESTMENT PERIOD: 2 years

INVESTMENT YEAR BY YEAR:

1: $565 000	2: $500 000	3:	4:	5:
6:	7:	8:	9:	10:

OPERATING COSTS YEAR BY YEAR:

1: $85 000	2: $85 000	3: $85 000	4: $85 000	5: $85 000
6: $85 000	7: $85 000	8: $85 000	9: $85 000	10: $85 000
11: $85 000	12: $85 000	13: $85 000	14: $85 000	15: $85 000
16: $85 000	17: $85 000	18: $85 000	19: $85 000	20: $85 000

REVENUES YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

SHORT DESCRIPTION OF POSSIBLE ECONOMIES OF SCALE CONCERNING INVESTMENT AND OPERATION COSTS

UNIT (OR ITEM) COSTS AND UNIT (OR ITEM) REVENUES:

	$		$
Classrooms	15 000	1 Office, 1 Staff-room, 1 Library	90 000
Woodwork shop, science laboratory	60 000	Canteen, Storage place, Toilet	65 000
Science and office equipment, books	45 000	Home science room	30 000
Bicycle shelter, roads	25 000	Electricity and water	15 000
Drainage, levelling, piling	12 000	Sport grounds	25 000
Fencing	20 000	Contingencies	50 000
Teachers' quarters	20 000	Boarding house	270 000
Headmaster's house	35 000	Domestic staff quarters	12 000

DERIVED EFFECTS OF IMPLEMENTING THE PROJECT

MAIN EFFECTS ON THE ENVIRONMENT: Serves a population of 7 500 to 6 500 and produces 80 Form Three students to the next level each year

EMPLOYMENT:

YEAR	CONSTRUCTION				OPERATION			
	PROFESSIONALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL	PROFESSIONALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL
1								
2								
3								
4								
5								
6					9	2	5	16
7								
8								
9								
10								

INPUT OTHER THAN LABOUR: CONSTRUCTION (C), OPERATION (O)

YEARLY PRODUCTION: Produces 80 students to the next level per year

NET REQUIREMENTS OF FOREIGN EXCHANGE YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

LINKS

LINKS TO OTHER PROJECTS AND DEVELOPMENT PACKAGES

NO: NAME:
NO: NAME:
NO: NAME:
NO: NAME:
NO: NAME:
NO: NAME:
NO: NAME:

FINANCING

POSSIBILITIES OF FINANCING:

1: FEDERAL GOVERNMENT	✓	2: STATE GOVERNMENT	
3: LOCAL GOVERNMENT		4: STATUTORY BODIES	
5: PUBLIC FUNDS		6: PRIVATE DOMESTIC SAVINGS	
7: PRIVATE FOREIGN LOANS		8: PUBLIC FOREIGN LOANS	

REFERENCES

REFERENCES:

1: Supporting Report 6, Part I
2:
3:
4:
5:

IDENTIFICATION

PROJECT NUMBER: 155 SECTOR: PUBLIC SERVICES

DEPARTMENT: PLANNING: / IMPLEMENTATION: / BUGET: — EDUCATION

NAME OF PROJECT: Bintulu University Complex

CONTENTS

DESCRIPTION: The establishment of the first stage of a University in Bintulu
Provisional estimate of costs, employment and investment period.

COSTS AND REVENUES (1973 PRICES)

TOTAL INVESTMENT COSTS: $5 000 000 INVESTMENT PERIOD: 1976 to 1980

INVESTMENT YEAR BY YEAR:

1: $1 000 000	2: $1 000 000	3: $1 000 000	4: $1 000 000	5: $1 000 000
6:	7:	8:	9:	10:

OPERATING COSTS YEAR BY YEAR: 1977

1:	2: $100 000	3: $200 000	4: $200 000	5: $400 000
6: $500 000	7: $500 000	8: etc	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

REVENUES YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

SHORT DESCRIPTION OF POSSIBLE ECONOMIES OF SCALE CONCERNING INVESTMENT AND OPERATION COSTS

UNIT (OR ITEM) COSTS AND UNIT (OR ITEM) REVENUES:

DERIVED EFFECTS OF IMPLEMENTING THE PROJECT

MAIN EFFECTS ON THE ENVIRONMENT:

EMPLOYMENT: 1977+

YEAR	CONSTRUCTION				OPERATION			
	PROFESSIO-NALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL	PROFESSIO-NALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL
1								
2								
3								26
4								52
5								78
6								104
7								
8								
9								
10								

INPUT OTHER THAN LABOUR: CONSTRUCTION (C), OPERATION (O)

YEARLY PRODUCTION:

NET REQUIREMENTS OF FOREIGN EXCHANGE YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

LINKS

LINKS TO OTHER PROJECTS AND DEVELOPMENT PACKAGES

NO: 26	NAME: Bintulu University Rural Development
NO:	NAME:
NO:	NAME:
NO:	NAME:
NO:	NAME:
NO:	NAME:
NO:	NAME:

FINANCING

POSSIBILITIES OF FINANCING:

1: FEDERAL GOVERNMENT	✓	2: STATE GOVERNMENT	
3: LOCAL GOVERNMENT		4: STATUTORY BODIES	✓
5: PUBLIC FUNDS		6: PRIVATE DOMESTIC SAVINGS	
7: PRIVATE FOREIGN LOANS		8: PUBLIC FOREIGN LOANS	

REFERENCES

REFERENCES:

1:
2:
3:
4:
5:

IDENTIFICATION

PROJECT NUMBER: 156 SECTOR: PUBLIC SERVICES

DEPARTMENT: PLANNING: / IMPLEMENTATION: / BUGET: } PWD

NAME OF PROJECT: Miscellaneous public buildings - Miri

CONTENTS

DESCRIPTION:

COSTS AND REVENUES (1973 PRICES)

TOTAL INVESTMENT COSTS: $200 000 INVESTMENT PERIOD: 1976 to 1977

INVESTMENT YEAR BY YEAR:

1: $100 000	2: $100 000	3:	4:	5:
6:	7:	8:	9:	10:

OPERATING COSTS YEAR BY YEAR: 1978

1: $20 000	2: $20 000	3: $20 000	4: etc	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

REVENUES YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

SHORT DESCRIPTION OF POSSIBLE ECONOMIES OF SCALE CONCERNING INVESTMENT AND OPERATION COSTS

UNIT (OR ITEM) COSTS AND UNIT (OR ITEM) REVENUES:

DERIVED EFFECTS OF IMPLEMENTING THE PROJECT

MAIN EFFECTS ON THE ENVIRONMENT:

EMPLOYMENT:

YEAR	CONSTRUCTION				OPERATION			
	PROFESSIO-NALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL	PROFESSIO-NALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL
1								
2								
3								
4								
5								5
6								5
7								5
8								
9								
10								

INPUT OTHER THAN LABOUR: CONSTRUCTION (C), OPERATION (O)

YEARLY PRODUCTION:

NET REQUIREMENTS OF FOREIGN EXCHANGE YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

LINKS

LINKS TO OTHER PROJECTS AND DEVELOPMENT PACKAGES

NO: 1	NAME: Miri Town Development
NO:	NAME:
NO:	NAME:
NO:	NAME:
NO:	NAME:
NO:	NAME:
NO:	NAME:

FINANCING

POSSIBILITIES OF FINANCING:

1: FEDERAL GOVERNMENT		2: STATE GOVERNMENT	✓
3: LOCAL GOVERNMENT		4: STATUTORY BODIES	
5: PUBLIC FUNDS		6: PRIVATE DOMESTIC SAVINGS	
7: PRIVATE FOREIGN LOANS		8: PUBLIC FOREIGN LOANS	

REFERENCES

REFERENCES:

1: Mid-Term Review
2:
3:
4:
5:

IDENTIFICATION

PROJECT NUMBER: 157 SECTOR: PUBLIC SERVICES

DEPARTMENT: PLANNING: / IMPLEMENTATION: / BUGET: } PWD

NAME OF PROJECT: Miscellaneous public buildings - Bintulu

CONTENTS

DESCRIPTION:

COSTS AND REVENUES (1973 PRICES)

TOTAL INVESTMENT COSTS: $100 000 INVESTMENT PERIOD: 1976

INVESTMENT YEAR BY YEAR:

1: $100 000	2:	3:	4:	5:
6:	7:	8:	9:	10:

OPERATING COSTS YEAR BY YEAR: 1977

1: $10 000	2: etc	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

REVENUES YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

SHORT DESCRIPTION OF POSSIBLE ECONOMIES OF SCALE CONCERNING INVESTMENT AND OPERATION COSTS

UNIT (OR ITEM) COSTS AND UNIT (OR ITEM) REVENUES:

DERIVED EFFECTS OF IMPLEMENTING THE PROJECT

MAIN EFFECTS ON THE ENVIRONMENT:

EMPLOYMENT:

YEAR	CONSTRUCTION				OPERATION			
	PROFESSIONALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL	PROFESSIONALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL
1								
2								3
3								3
4								3
5								3
6								3
7								
8								
9								
10								

INPUT OTHER THAN LABOUR: CONSTRUCTION (C), OPERATION (O)

YEARLY PRODUCTION:

NET REQUIREMENTS OF FOREIGN EXCHANGE YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

LINKS

LINKS TO OTHER PROJECTS AND DEVELOPMENT PACKAGES

NO: 2	NAME: Bintulu Town Development
NO:	NAME:
NO:	NAME:
NO:	NAME:
NO:	NAME:
NO:	NAME:
NO:	NAME:

FINANCING

POSSIBILITIES OF FINANCING:

1: FEDERAL GOVERNMENT		2: STATE GOVERNMENT	✓
3: LOCAL GOVERNMENT		4: STATUTORY BODIES	
5: PUBLIC FUNDS		6: PRIVATE DOMESTIC SAVINGS	
7: PRIVATE FOREIGN LOANS		8: PUBLIC FOREIGN LOANS	

REFERENCES

REFERENCES:

1: Mid-Term Review
2:
3:
4:
5:

IDENTIFICATION

PROJECT NUMBER: 158 SECTOR: PUBLIC UTILITIES

DEPARTMENT: PLANNING: / IMPLEMENTATION: / BUGET: } PWD

NAME OF PROJECT: Sewerage - Lambir-Subis North

CONTENTS

DESCRIPTION: Latrines for the general population and septic tanks for the shops and schools. The project is only specified for the Action Programme period.

Latrines and septic tanks

COSTS AND REVENUES (1973 PRICES)

TOTAL INVESTMENT COSTS: $86 000 INVESTMENT PERIOD: 1976 to 1977

INVESTMENT YEAR BY YEAR: 1976

1: $21 000	2: $65 000	3:	4:	5:
6:	7:	8:	9:	10:

OPERATING COSTS YEAR BY YEAR: 1978

1: $1 000	2: $2 000	3: $2 000	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

REVENUES YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

SHORT DESCRIPTION OF POSSIBLE ECONOMIES OF SCALE CONCERNING INVESTMENT AND OPERATION COSTS

UNIT (OR ITEM) COSTS AND UNIT (OR ITEM) REVENUES:

Latrines at $18 per head
Septic tanks at $210 per head

DERIVED EFFECTS OF IMPLEMENTING THE PROJECT

MAIN EFFECTS ON THE ENVIRONMENT: Serves the villages in the Lambir-Subis North

EMPLOYMENT:

YEAR	CONSTRUCTION				OPERATION			
	PROFESSIONALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL	PROFESSIONALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL
1								
2								
3								
4								
5								
6								
7								
8								
9								
10								

INPUT OTHER THAN LABOUR: CONSTRUCTION (C), OPERATION (O)

YEARLY PRODUCTION:

NET REQUIREMENTS OF FOREIGN EXCHANGE YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

LINKS

LINKS TO OTHER PROJECTS AND DEVELOPMENT PACKAGES

NO: 2 NAME: SLDB and SOP Village Development Schemes, Lambir-Subis North Rural Development
NO: NAME:
NO: NAME:
NO: NAME:
NO: NAME:
NO: NAME:
NO: NAME:

FINANCING

POSSIBILITIES OF FINANCING:

1: FEDERAL GOVERNMENT		2: STATE GOVERNMENT	✓
3: LOCAL GOVERNMENT		4: STATUTORY BODIES	
5: PUBLIC FUNDS		6: PRIVATE DOMESTIC SAVINGS	
7: PRIVATE FOREIGN LOANS		8: PUBLIC FOREIGN LOANS	

REFERENCES

REFERENCES:

1: Supporting Report 5
2: Supporting Report 6, Part III
3:
4:
5:

IDENTIFICATION

PROJECT NUMBER: 159 SECTOR: PUBLIC UTILITIES

DEPARTMENT: PLANNING:) IMPLEMENTATION:) PWD BUGET:)

NAME OF PROJECT: Water supply - Igang

CONTENTS

DESCRIPTION: Maximum output - 0.8 million gallons per day

The project is only specified for the Action Programme period.

Headworks
Pipelines
Distribution network
Service storage - 250 000 gallons

COSTS AND REVENUES (1973 PRICES)

TOTAL INVESTMENT COSTS: $2 146 000 INVESTMENT PERIOD: 1976 to 1980

INVESTMENT YEAR BY YEAR: 1976

1: $779 000	2: $1 112 000	3: $85 000	4: $85 000	5: $85 000
6:	7:	8:	9:	10:

OPERATING COSTS YEAR BY YEAR: 1977

1: $20 000	2: $99 000	3: $133 000	4: $173 000	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

REVENUES YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

SHORT DESCRIPTION OF POSSIBLE ECONOMIES OF SCALE CONCERNING INVESTMENT AND OPERATION COSTS

UNIT (OR ITEM) COSTS AND UNIT (OR ITEM) REVENUES:

	$
Headworks	640 000
Service storage	150 000
Distribution system per head	122

DERIVED EFFECTS OF IMPLEMENTING THE PROJECT

MAIN EFFECTS ON THE ENVIRONMENT:

EMPLOYMENT:

YEAR	CONSTRUCTION				OPERATION			
	PROFESSIO-NALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL	PROFESSIO-NALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL
1								
2								
3								3
4								14
5								14
6								14
7								
8								
9								
10								

INPUT OTHER THAN LABOUR: CONSTRUCTION (C), OPERATION (O)

YEARLY PRODUCTION:

NET REQUIREMENTS OF FOREIGN EXCHANGE YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

LINKS

LINKS TO OTHER PROJECTS AND DEVELOPMENT PACKAGES

NO: 5	NAME: Igang Estate Rural Development
NO: 201	NAME: Nish Suai Water Supply Scheme - Project
NO:	NAME:
NO:	NAME:
NO:	NAME:
NO:	NAME:
NO:	NAME:

FINANCING

POSSIBILITIES OF FINANCING:

1: FEDERAL GOVERNMENT		2: STATE GOVERNMENT	✓
3: LOCAL GOVERNMENT		4: STATUTORY BODIES	
5: PUBLIC FUNDS		6: PRIVATE DOMESTIC SAVINGS	
7: PRIVATE FOREIGN LOANS		8: PUBLIC FOREIGN LOANS	

REFERENCES

REFERENCES:

1: Supporting Report 5
2: Supporting Report 6, Part III
3:
4:
5:

IDENTIFICATION

PROJECT NUMBER: 160 SECTOR: PUBLIC UTILITIES

DEPARTMENT: PLANNING: / IMPLEMENTATION: / BUGET: } PWD

NAME OF PROJECT: Water supply – Sebauh

CONTENTS

DESCRIPTION: Source – Sungai Sebangat
Maximum output – 0.1 million gallons per day

Headworks
Pipes
Service storage
2 Class IV quarters
Cost of access road not included

The project is only specified for the Action Programme period.

COSTS AND REVENUES (1973 PRICES)

TOTAL INVESTMENT COSTS: $469 000 INVESTMENT PERIOD: 1976 to 1980

INVESTMENT YEAR BY YEAR:

1: $460 000	2:	3:	4: $7 000	5: $2 000
6:	7:	8:	9:	10:

OPERATING COSTS YEAR BY YEAR: 1977

1: $18 000	2: $18 000	3: $17 000	4: $17 000	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

REVENUES YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

SHORT DESCRIPTION OF POSSIBLE ECONOMIES OF SCALE CONCERNING INVESTMENT AND OPERATION COSTS

UNIT (OR ITEM) COSTS AND UNIT (OR ITEM) REVENUES:

DERIVED EFFECTS OF IMPLEMENTING THE PROJECT

MAIN EFFECTS ON THE ENVIRONMENT: Serves a population of 900 by 1980

EMPLOYMENT:

YEAR	CONSTRUCTION				OPERATION			
	PROFESSIO-NALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL	PROFESSIO-NALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL
1								
2								
3								
4								2
5								2
6								2
7								
8								
9								
10								

INPUT OTHER THAN LABOUR: CONSTRUCTION (C), OPERATION (O)

YEARLY PRODUCTION:

NET REQUIREMENTS OF FOREIGN EXCHANGE YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

LINKS

LINKS TO OTHER PROJECTS AND DEVELOPMENT PACKAGES

NO: 9	NAME: Sebauh Town Development
NO: 55	NAME: Lower Secondary School – Sebauh – Project
NO:	NAME:
NO:	NAME:
NO:	NAME:
NO:	NAME:
NO:	NAME:

FINANCING

POSSIBILITIES OF FINANCING:

1: FEDERAL GOVERNMENT		2: STATE GOVERNMENT	✓
3: LOCAL GOVERNMENT		4: STATUTORY BODIES	
5: PUBLIC FUNDS		6: PRIVATE DOMESTIC SAVINGS	
7: PRIVATE FOREIGN LOANS		8: PUBLIC FOREIGN LOANS	

REFERENCES

REFERENCES:

1: Supporting Report 5
2: Supporting Report 6, Part I
3:
4:
5:

IDENTIFICATION

PROJECT NUMBER: 161 SECTOR: PUBLIC UTILITIES

DEPARTMENT — PLANNING: / IMPLEMENTATION: / BUGET: — PWD

NAME OF PROJECT: Water supply – Beluru and Mera-a

CONTENTS

DESCRIPTION: Source from either Sungai Bakong or Sungai Mapok
Headworks to be constructed in 1976 to also serve Mera-a village
Production – 0.1 million gallons per day

100 000 gallons plant
Service storage – 100 000 gallons

COSTS AND REVENUES (1973 PRICES)

TOTAL INVESTMENT COSTS: $512 000 INVESTMENT PERIOD: 1976 to 1980

INVESTMENT YEAR BY YEAR: 1976

1: $321 000	2: $57 000	3: $57 000	4: $44 000	5: $33 000
6:	7:	8:	9:	10:

OPERATING COSTS YEAR BY YEAR: 1976

1: $23 000	2: $29 000	3: $36 000	4: $39 000	5: $43 000
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

REVENUES YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

SHORT DESCRIPTION OF POSSIBLE ECONOMIES OF SCALE CONCERNING INVESTMENT AND OPERATION COSTS

UNIT (OR ITEM) COSTS AND UNIT (OR ITEM) REVENUES:

Headworks (100 000 gallons per day) – $80 000
41 500 feet of six inch pipes at $7.50 per foot
6 000 feet of four inch pipes at $4.00 per foot

DERIVED EFFECTS OF IMPLEMENTING THE PROJECT

MAIN EFFECTS ON THE ENVIRONMENT: Serves Beluru and Mera-a
Total population – 2 300 in 1980

EMPLOYMENT:

YEAR	CONSTRUCTION				OPERATION			
	PROFESSIO-NALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL	PROFESSIO-NALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL
1								
2								
3								
4								2
5								2
6								2
7								
8								
9								
10								

INPUT OTHER THAN LABOUR: CONSTRUCTION (C), OPERATION (O)

YEARLY PRODUCTION: From 11.7 million gallons per year in 1976
to 26.6 million gallons per year in 1980

NET REQUIREMENTS OF FOREIGN EXCHANGE YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

LINKS

LINKS TO OTHER PROJECTS AND DEVELOPMENT PACKAGES

NO: 6	NAME: Beluru Town Development
NO: 3	NAME: Mera-a Village Development
NO:	NAME:
NO:	NAME:
NO:	NAME:
NO:	NAME:
NO:	NAME:

FINANCING

POSSIBILITIES OF FINANCING:

1: FEDERAL GOVERNMENT		2: STATE GOVERNMENT	✓
3: LOCAL GOVERNMENT		4: STATUTORY BODIES	
5: PUBLIC FUNDS		6: PRIVATE DOMESTIC SAVINGS	
7: PRIVATE FOREIGN LOANS		8: PUBLIC FOREIGN LOANS	

REFERENCES

REFERENCES:

1: Supporting Report 5
2: Supporting Report 6, Part III
3:
4:
5:

IDENTIFICATION

PROJECT NUMBER: 162 SECTOR: PUBLIC UTILITIES

DEPARTMENT — PLANNING: / IMPLEMENTATION: / BUGET: } SESCO

NAME OF PROJECT: Electricity - Igang

CONTENTS

DESCRIPTION: New plant of 400 kW
The project is only specified for the Action Programme period.

COSTS AND REVENUES (1973 PRICES)

TOTAL INVESTMENT COSTS: $1 740 000 INVESTMENT PERIOD: 1976 to 1980

INVESTMENT YEAR BY YEAR:

1: $180 000	2:	3: $380 000	4: $530 000	5: $650 000
6:	7:	8:	9:	10:

OPERATING COSTS YEAR BY YEAR: 1977

1: $18 000	2: $30 000	3: $46 000	4: $100 000	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

REVENUES YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

SHORT DESCRIPTION OF POSSIBLE ECONOMIES OF SCALE CONCERNING INVESTMENT AND OPERATION COSTS

UNIT (OR ITEM) COSTS AND UNIT (OR ITEM) REVENUES:

DERIVED EFFECTS OF IMPLEMENTING THE PROJECT

MAIN EFFECTS ON THE ENVIRONMENT:

EMPLOYMENT:

YEAR	CONSTRUCTION				OPERATION			
	PROFESSIO-NALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL	PROFESSIO-NALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL
1								
2								
3								4
4								4
5								4
6								4
7								
8								
9								
10								

INPUT OTHER THAN LABOUR: CONSTRUCTION (C), OPERATION (O)

YEARLY PRODUCTION:

NET REQUIREMENTS OF FOREIGN EXCHANGE YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

LINKS

LINKS TO OTHER PROJECTS AND DEVELOPMENT PACKAGES

NO: 5	NAME: Igang Estate Rural Development
NO:	NAME:
NO:	NAME:
NO:	NAME:
NO:	NAME:
NO:	NAME:
NO:	NAME:

FINANCING

POSSIBILITIES OF FINANCING:

1: FEDERAL GOVERNMENT		2: STATE GOVERNMENT	
3: LOCAL GOVERNMENT		4: STATUTORY BODIES	✓
5: PUBLIC FUNDS		6: PRIVATE DOMESTIC SAVINGS	
7: PRIVATE FOREIGN LOANS		8: PUBLIC FOREIGN LOANS	

REFERENCES

REFERENCES:

1: Supporting Report 5
2: Supporting Report 6, Part III
3:
4:
5:

IDENTIFICATION

PROJECT NUMBER: 163 SECTOR: PUBLIC UTILITIES

DEPARTMENT: PLANNING: / IMPLEMENTATION: / BUGET: } SESCO

NAME OF PROJECT: Electricity - Niah

CONTENTS

DESCRIPTION: Plant of 120 kW
The project is only specified for the Action Programme period.

COSTS AND REVENUES (1973 PRICES)

TOTAL INVESTMENT COSTS: $235 000 INVESTMENT PERIOD: 1976 to 1979

INVESTMENT YEAR BY YEAR:

1: $120 000	2:	3:	4: $115 000	5:
6:	7:	8:	9:	10:

OPERATING COSTS YEAR BY YEAR: 1977

1: $16 000	2: $20 000	3: $23 000	4: $28 000	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

REVENUES YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

SHORT DESCRIPTION OF POSSIBLE ECONOMIES OF SCALE CONCERNING INVESTMENT AND OPERATION COSTS

UNIT (OR ITEM) COSTS AND UNIT (OR ITEM) REVENUES:

	$
Plant	125 000
Distribution, etc.	110 000

DERIVED EFFECTS OF IMPLEMENTING THE PROJECT

MAIN EFFECTS ON THE ENVIRONMENT:

EMPLOYMENT:

YEAR	CONSTRUCTION				OPERATION			
	PROFESSIO-NALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL	PROFESSIO-NALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL
1								
2								
3								2
4								2
5								2
6								2
7								
8								
9								
10								

INPUT OTHER THAN LABOUR: CONSTRUCTION (C), OPERATION (O)

YEARLY PRODUCTION:

NET REQUIREMENTS OF FOREIGN EXCHANGE YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

LINKS

LINKS TO OTHER PROJECTS AND DEVELOPMENT PACKAGES

NO: 8 NAME: Niah Town Development
NO: NAME:
NO: NAME:
NO: NAME:
NO: NAME:
NO: NAME:
NO: NAME:

FINANCING

POSSIBILITIES OF FINANCING:

1: FEDERAL GOVERNMENT		2: STATE GOVERNMENT	
3: LOCAL GOVERNMENT		4: STATUTORY BODIES	✓
5: PUBLIC FUNDS		6: PRIVATE DOMESTIC SAVINGS	
7: PRIVATE FOREIGN LOANS		8: PUBLIC FOREIGN LOANS	

REFERENCES

REFERENCES:

1: Supporting Report 5
2: Supporting Report 6, Part III
3:
4:
5:

IDENTIFICATION

PROJECT NUMBER: 164 SECTOR: INDUSTRIES

DEPARTMENT — PLANNING: / IMPLEMENTATION: / BUGET: — SEDC/PRIVATE

NAME OF PROJECT: Glass - container factory

CONTENTS

DESCRIPTION: For the manufacture of glass (bottles, etc) containers

COSTS AND REVENUES (1973 PRICES)

TOTAL INVESTMENT COSTS: $4 750 000 INVESTMENT PERIOD:

INVESTMENT YEAR BY YEAR: $'000

1: $4 750	2:	3:	4:	5:
6:	7:	8:	9:	10:

OPERATING COSTS YEAR BY YEAR: $'000

1: $1 255	2: $1 292	3: $1 332	4: $1 419	5: $1 465
6: $1 514	7: $1 564	8: $1 619	9: $1 676	10: $1 676
11: $1 676	12: $1 676	13: $1 676	14: $1 676	15: $1 676
16: $1 676	17: $1 676	18: $1 676	19: $1 676	20: $1 676

REVENUES YEAR BY YEAR: $'000

1: $2 502	2: $2 660	3: $2 830	4: $3 015	5: $3 210
6: $3 420	7: $3 640	8: $3 885	9: $4 145	10: $4 425
11: $4 425	12: $4 425	13: $4 425	14: $4 425	15: $4 425
16: $4 425	17: $4 425	18: $4 425	19: $4 425	20: $4 425

SHORT DESCRIPTION OF POSSIBLE ECONOMIES OF SCALE CONCERNING INVESTMENT AND OPERATION COSTS

IRR - 25.2 per cent
Capacity utilisation in year 1 to 8 will grow from 60 to 100 per cent

UNIT (OR ITEM) COSTS AND UNIT (OR ITEM) REVENUES:

DERIVED EFFECTS OF IMPLEMENTING THE PROJECT

MAIN EFFECTS ON THE ENVIRONMENT:

EMPLOYMENT:

YEAR	CONSTRUCTION				OPERATION			
	PROFESSIO-NALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL	PROFESSIO-NALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL
1				30				
2								70
3								
4								
5								
6								
7								
8								
9								
10								

INPUT OTHER THAN LABOUR: CONSTRUCTION (C), OPERATION (O)

YEARLY PRODUCTION:

NET REQUIREMENTS OF FOREIGN EXCHANGE YEAR BY YEAR: $'000

1: $4 500	2: $127	3: $136	4: $145	5: $155
6: $165	7: $176	8: $188	9: $201	10: $214
11: $214	12: $214	13:	14:	15:
16:	17:	18:	19:	20:

LINKS

LINKS TO OTHER PROJECTS AND DEVELOPMENT PACKAGES

NO: 2	NAME: Bintulu Town Development
NO: 165	NAME: Beer Bottling Plant Project
NO:	NAME:
NO:	NAME:
NO:	NAME:
NO:	NAME:
NO:	NAME:

FINANCING

POSSIBILITIES OF FINANCING:

1: FEDERAL GOVERNMENT		2: STATE GOVERNMENT	
3: LOCAL GOVERNMENT		4: STATUTORY BODIES	✓
5: PUBLIC FUNDS		6: PRIVATE DOMESTIC SAVINGS	✓
7: PRIVATE FOREIGN LOANS	✓	8: PUBLIC FOREIGN LOANS	

REFERENCES

REFERENCES:

1: Supporting Report 8
2:
3:
4:
5:

IDENTIFICATION

PROJECT NUMBER: 165 SECTOR: INDUSTRIES

DEPARTMENT — PLANNING:) IMPLEMENTATION:) BUGET:) SEDC/PRIVATE

NAME OF PROJECT: Bottling plant - Bintulu

CONTENTS

DESCRIPTION: A bottling plant for beer in Bintulu

COSTS AND REVENUES (1973 PRICES)

TOTAL INVESTMENT COSTS: $1 200 000 INVESTMENT PERIOD:

INVESTMENT YEAR BY YEAR: $'000

1: $1 200	2:	3:	4:	5:
6:	7:	8:	9:	10:

OPERATING COSTS YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

REVENUES YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

SHORT DESCRIPTION OF POSSIBLE ECONOMIES OF SCALE CONCERNING INVESTMENT AND OPERATION COSTS

UNIT (OR ITEM) COSTS AND UNIT (OR ITEM) REVENUES:

DERIVED EFFECTS OF IMPLEMENTING THE PROJECT

MAIN EFFECTS ON THE ENVIRONMENT:

EMPLOYMENT:

YEAR	CONSTRUCTION				OPERATION			
	PROFESSIO-NALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL	PROFESSIO-NALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL
1				20				
2								10
3								
4								
5								
6								
7								
8								
9								
10								

INPUT OTHER THAN LABOUR: CONSTRUCTION (C), OPERATION (O)

YEARLY PRODUCTION:

NET REQUIREMENTS OF FOREIGN EXCHANGE YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

LINKS

LINKS TO OTHER PROJECTS AND DEVELOPMENT PACKAGES

NO: 2	NAME: Bintulu Town Development
NO: 164	NAME: Glass container factory project
NO:	NAME:
NO:	NAME:
NO:	NAME:
NO:	NAME:
NO:	NAME:

FINANCING

POSSIBILITIES OF FINANCING:

1: FEDERAL GOVERNMENT		2: STATE GOVERNMENT	
3: LOCAL GOVERNMENT		4: STATUTORY BODIES	✓✓
5: PUBLIC FUNDS		6: PRIVATE DOMESTIC SAVINGS	✓
7: PRIVATE FOREIGN LOANS		8: PUBLIC FOREIGN LOANS	

REFERENCES

REFERENCES:

1: Supporting Report B
2:
3:
4:
5:

IDENTIFICATION

PROJECT NUMBER: 166 SECTOR: INDUSTRIES

DEPARTMENT | PLANNING: / IMPLEMENTATION: / BUGET: } PRIVATE

NAME OF PROJECT: Iron foundry

CONTENTS

DESCRIPTION: Expected production – 150 tons per month

COSTS AND REVENUES (1973 PRICES)

TOTAL INVESTMENT COSTS: $1 800 000 INVESTMENT PERIOD: 1976

INVESTMENT YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:

OPERATING COSTS YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

REVENUES YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

SHORT DESCRIPTION OF POSSIBLE ECONOMIES OF SCALE CONCERNING INVESTMENT AND OPERATION COSTS

UNIT (OR ITEM) COSTS AND UNIT (OR ITEM) REVENUES:

DERIVED EFFECTS OF IMPLEMENTING THE PROJECT

MAIN EFFECTS ON THE ENVIRONMENT:

EMPLOYMENT:

YEAR	CONSTRUCTION				OPERATION			
	PROFESSIO-NALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL	PROFESSIO-NALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL
1								
2								75
3								
4								
5								
6								
7								
8								
9								
10								

INPUT OTHER THAN LABOUR: CONSTRUCTION (C), OPERATION (O)

YEARLY PRODUCTION:

NET REQUIREMENTS OF FOREIGN EXCHANGE YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

LINKS

LINKS TO OTHER PROJECTS AND DEVELOPMENT PACKAGES

NO: NAME:
NO: NAME:
NO: NAME:
NO: NAME:
NO: NAME:
NO: NAME:
NO: NAME:

FINANCING

POSSIBILITIES OF FINANCING:

1:	FEDERAL GOVERNMENT		2:	STATE GOVERNMENT	
3:	LOCAL GOVERNMENT		4:	STATUTORY BODIES	✓
5:	PUBLIC FUNDS		6:	PRIVATE DOMESTIC SAVINGS	✓
7:	PRIVATE FOREIGN LOANS		8:	PUBLIC FOREIGN LOANS	

REFERENCES

REFERENCES:

1: Supporting Report 8
2:
3:
4:
5:

IDENTIFICATION

PROJECT NUMBER: 167 SECTOR: INDUSTRIES

DEPARTMENT: PLANNING: / IMPLEMENTATION: / BUGET: — PRIVATE

NAME OF PROJECT: Furniture manufacturing

CONTENTS

DESCRIPTION: In the manufacturing of finished products eg. break-down furniture - aiming at local markets for finished products and export of furniture parts

COSTS AND REVENUES (1973 PRICES)

TOTAL INVESTMENT COSTS: $245 000 INVESTMENT PERIOD:

INVESTMENT YEAR BY YEAR: $'000

1: $180	2: $65	3:	4:	5:
6:	7:	8:	9:	10:

OPERATING COSTS YEAR BY YEAR: $'000

1:	2: $390	3: $390	4: $390	5: $390
6: $390	7: $390	8: $390	9: $390	10: $390
11: $390	12: $390	13: $390	14: $390	15: $390
16: $390	17: $390	18: $390	19: $390	20: $390

REVENUES YEAR BY YEAR: $'000

1:	2: $600	3: $640	4: $640	5: $640
6: $640	7: $640	8: $640	9: $640	10: $640
11: $640	12: $640	13: $640	14: $640	15: $640
16: $640	17: $640	18: $640	19: $640	20: $640

SHORT DESCRIPTION OF POSSIBLE ECONOMIES OF SCALE CONCERNING INVESTMENT AND OPERATION COSTS

Economies of scale will improve with input capacity, however marketing problems would then be envisaged.

UNIT (OR ITEM) COSTS AND UNIT (OR ITEM) REVENUES:

DERIVED EFFECTS OF IMPLEMENTING THE PROJECT

MAIN EFFECTS ON THE ENVIRONMENT:

EMPLOYMENT:

YEAR	CONSTRUCTION				OPERATION			
	PROFESSIO-NALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL	PROFESSIO-NALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL
1				10				
2								30
3								
4								
5								
6								
7								
8								
9								
10								

INPUT OTHER THAN LABOUR: CONSTRUCTION (C), OPERATION (O)

Building - $100
Machinery imported

YEARLY PRODUCTION: Say 20 000 chairs, 3 000 arm chairs and 5 000 tables per annum.

NET REQUIREMENTS OF FOREIGN EXCHANGE YEAR BY YEAR:

1: $60	2: $10	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

LINKS

LINKS TO OTHER PROJECTS AND DEVELOPMENT PACKAGES

NO: 114	NAME: Moulding plant, drying kiln projects
NO:	NAME:
NO:	NAME:
NO:	NAME:
NO:	NAME:
NO:	NAME:
NO:	NAME:

FINANCING

POSSIBILITIES OF FINANCING:

1: FEDERAL GOVERNMENT		2: STATE GOVERNMENT	
3: LOCAL GOVERNMENT		4: STATUTORY BODIES	✓
5: PUBLIC FUNDS		6: PRIVATE DOMESTIC SAVINGS	✓
7: PRIVATE FOREIGN LOANS		8: PUBLIC FOREIGN LOANS	

REFERENCES

REFERENCES:

1:
2:
3:
4:
5:

IDENTIFICATION

PROJECT NUMBER: 168 SECTOR: INDUSTRIES

DEPARTMENT | PLANNING: / IMPLEMENTATION: / BUGET: } STIDC/PRIVATE

NAME OF PROJECT: Parquet factory

CONTENTS

DESCRIPTION: Factory with saws, assembly, gluing and finishing lines for wood parquets.

COSTS AND REVENUES (1973 PRICES)

TOTAL INVESTMENT COSTS: $2 500 000 INVESTMENT PERIOD: 1977 to 1978

INVESTMENT YEAR BY YEAR: $'000

1: $1 500	2: $1 000	3:	4:	5:
6:	7:	8:	9:	10:

OPERATING COSTS YEAR BY YEAR: $'000

1:	2: $400	3: $2 000	4: $2 200	5: $2 200
6: $2 200	7: $2 200	8: $2 200	9: $2 200	10: $2 200
11: $2 200	12: $2 200	13: $2 200	14: $2 200	15: $2 200
16: $2 200	17: $2 200	18: $2 200	19: $2 200	20: $2 200

REVENUES YEAR BY YEAR: $'000

1:	2: $1 200	3: $2 000	4: $2 600	5: $2 600
6: $2 600	7: $2 600	8: $2 600	9: $2 600	10: $2 600
11: $2 600	12: $2 600	13: $2 600	14: $2 600	15: $2 600
16: $2 600	17: $2 600	18: $2 600	19: $2 600	20: $2 600

SHORT DESCRIPTION OF POSSIBLE ECONOMIES OF SCALE CONCERNING INVESTMENT AND OPERATION COSTS

UNIT (OR ITEM) COSTS AND UNIT (OR ITEM) REVENUES:

DERIVED EFFECTS OF IMPLEMENTING THE PROJECT

MAIN EFFECTS ON THE ENVIRONMENT:

EMPLOYMENT:

YEAR	CONSTRUCTION				OPERATION			
	PROFESSIO-NALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL	PROFESSIO-NALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL
1				50	3	2	2	7
2				30	8	6	35	49
3					8	6	35	49
4					8	6	35	49
5					8	6	35	49
6					8	6	35	49
7								
8								
9								
10								

INPUT OTHER THAN LABOUR: CONSTRUCTION (C), OPERATION (O)

200 000 kWh
3 million gallons water
Fuel oil - 75 tons

YEARLY PRODUCTION: 3.5 million square feet of parquet - 7/8" - 9/16"

NET REQUIREMENTS OF FOREIGN EXCHANGE YEAR BY YEAR:

1: $1 000	2: $800	3: $100	4: $100	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

LINKS

LINKS TO OTHER PROJECTS AND DEVELOPMENT PACKAGES

NO: NAME:
NO: NAME:
NO: NAME:
NO: NAME:
NO: NAME:
NO: NAME:
NO: NAME:

FINANCING

POSSIBILITIES OF FINANCING:

1: FEDERAL GOVERNMENT		2: STATE GOVERNMENT	
3: LOCAL GOVERNMENT		4: STATUTORY BODIES	✓
5: PUBLIC FUNDS		6: PRIVATE DOMESTIC SAVINGS	✓
7: PRIVATE FOREIGN LOANS	✓	8: PUBLIC FOREIGN LOANS	

REFERENCES

REFERENCES:

1:
2:
3:
4:
5:

IDENTIFICATION

PROJECT NUMBER: 169 SECTOR: INDUSTRIES

DEPARTMENT | PLANNING: / IMPLEMENTATION: / BUGET: } STIDC/PRIVATE

NAME OF PROJECT: Plywood factory

CONTENTS

DESCRIPTION: Production for domestic use and export.

COSTS AND REVENUES (1973 PRICES)

TOTAL INVESTMENT COSTS: $5 600 000 INVESTMENT PERIOD:

INVESTMENT YEAR BY YEAR: $'000

1: $3 600	2: $2 000	3:	4:	5:
6:	7:	8:	9:	10:

OPERATING COSTS YEAR BY YEAR: $'000

1:	2: $5 600	3: $6 400	4: $6 600	5: $6 800
6: $6 800	7: $6 800	8: $6 800	9: $6 800	10: $6 800
11: $6 800	12: $6 800	13: $6 800	14: $6 800	15: $6 800
16: $6 800	17: $6 800	18: $6 800	19: $6 800	20: $6 800

REVENUES YEAR BY YEAR: $'000

1:	2: $7 000	3: $7 500	4: $9 600	5: $9 600
6: $9 600	7: $9 600	8: $9 600	9: $9 600	10: $9 600
11: $9 600	12: $9 600	13: $9 600	14: $9 600	15: $9 600
16: $9 600	17: $9 600	18: $9 600	19: $9 600	20: $9 600

SHORT DESCRIPTION OF POSSIBLE ECONOMIES OF SCALE CONCERNING INVESTMENT AND OPERATION COSTS

This basic unit operates at 90 to 100 per cent capacity utilisation, smaller plants with 60 per cent capacity would also be feasible.

UNIT (OR ITEM) COSTS AND UNIT (OR ITEM) REVENUES:

DERIVED EFFECTS OF IMPLEMENTING THE PROJECT

MAIN EFFECTS ON THE ENVIRONMENT:

EMPLOYMENT:

YEAR	CONSTRUCTION				OPERATION			
	PROFESSIONALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL	PROFESSIONALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL
1				60				
2								150
3								
4								
5								
6								
7								
8								
9								
10								

INPUT OTHER THAN LABOUR: CONSTRUCTION (C), OPERATION (O)

Machinery

YEARLY PRODUCTION: 70 million square feet of 5 millimetre plywood

NET REQUIREMENTS OF FOREIGN EXCHANGE YEAR BY YEAR: $'000

1: $3 000	2: $2 500	3: $800	4: $800	5: $500
6: $500	7: $500	8: $500	9: $500	10: $500
11: $500	12: $500	13: $500	14: $500	15: $500
16: $500	17: $500	18: $500	19: $500	20: $500

LINKS

LINKS TO OTHER PROJECTS AND DEVELOPMENT PACKAGES

NO: NAME:
NO: NAME:
NO: NAME:
NO: NAME:
NO: NAME:
NO: NAME:
NO: NAME:

FINANCING

POSSIBILITIES OF FINANCING:

1: FEDERAL GOVERNMENT		2: STATE GOVERNMENT	✓
3: LOCAL GOVERNMENT		4: STATUTORY BODIES	✓
5: PUBLIC FUNDS		6: PRIVATE DOMESTIC SAVINGS	✓
7: PRIVATE FOREIGN LOANS	✓	8: PUBLIC FOREIGN LOANS	

REFERENCES

REFERENCES:

1:
2:
3:
4:
5:

IDENTIFICATION

PROJECT NUMBER: 170 SECTOR: AGRICULTURE

DEPARTMENT — PLANNING: SLDB; IMPLEMENTATION: SLDB; BUGET: SLDB

NAME OF PROJECT: Clearing, planting and operating - Lamaus (Public)

CONTENTS

DESCRIPTION: Clearing, planting and operating of 5 200 acres - small holder scheme

Oil palm - 3 100 acres
Rubber - 1 260 acres
Cocoa - 510 acres
Rice - 330 acres

COSTS AND REVENUES (1973 PRICES)

TOTAL INVESTMENT COSTS: $5 428 000 (1977 to 1980 - $4 642 000) INVESTMENT PERIOD: 1977 to 1985

INVESTMENT YEAR BY YEAR: $'000

1: $327	2: $1 675	3: $1 377	4: $1 263	5: $3 230
6: $139	7: $117	8: $174	9: $35	10:

OPERATING COSTS YEAR BY YEAR: $'000

1:	2:	3: $39	4: $36	5: $838
6: $1 030	7: $977	8: $2 229	9: $1 180	10: $1 246
11: $1 254	12: $1 270	13: $1 275	14: $1 303	15: $1 306
16: $1 314	17: $1 314	18: $1 349	19:	20:

REVENUES YEAR BY YEAR: $'000

1:	2:	3: $82	4: $191	5: $912
6: $1 603	7: $2 083	8: $2 229	9: $2 570	10: $2 764
11: $2 860	12: $2 931	13: $2 953	14: $2 980	15: $2 991
16: $3 015	17: $2 978	18: $2 955	19:	20:

SHORT DESCRIPTION OF POSSIBLE ECONOMIES OF SCALE CONCERNING INVESTMENT AND OPERATION COSTS

UNIT (OR ITEM) COSTS AND UNIT (OR ITEM) REVENUES:

Refer Bukit Peninjau Road Based Improvement Scheme

DERIVED EFFECTS OF IMPLEMENTING THE PROJECT

MAIN EFFECTS ON THE ENVIRONMENT: 331 farmers benefited

EMPLOYMENT:

YEAR	CONSTRUCTION				OPERATION			
	PROFESSIO-NALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL	PROFESSIO-NALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL
			Field workers				Field workers	
1977			243					
1978			400					
1979			486				50	
1980			392				50	
1981			188				264	
1982			59				407	
1983			43				336	
1984			39				327	
1985							366	

INPUT OTHER THAN LABOUR: CONSTRUCTION (C), OPERATION (O)

Refer Bukit Peninjau Road Based Improvement Scheme

YEARLY PRODUCTION:
Oil palm peak production in year 1987 (27 900 tons of ffb)
Rubber peak production in year 1992 (1 010 tons of drc)
Cocoa peak production in year 1983 (341 tons of dbc)
Rice peak production in year 1983 (410 tons of padi)

NET REQUIREMENTS OF FOREIGN EXCHANGE YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

LINKS

LINKS TO OTHER PROJECTS AND DEVELOPMENT PACKAGES

NO: 8	NAME: Lamaus Rural Development
NO:	NAME:
NO:	NAME:
NO:	NAME:
NO:	NAME:
NO:	NAME:
NO:	NAME:

FINANCING

POSSIBILITIES OF FINANCING:

1: FEDERAL GOVERNMENT		2: STATE GOVERNMENT	
3: LOCAL GOVERNMENT		4: STATUTORY BODIES	✓
5: PUBLIC FUNDS		6: PRIVATE DOMESTIC SAVINGS	
7: PRIVATE FOREIGN LOANS		8: PUBLIC FOREIGN LOANS	

REFERENCES

REFERENCES:

1: Supporting Report 2, Part II
2:
3:
4:
5:

IDENTIFICATION

PROJECT NUMBER: 171 SECTOR: AGRICULTURE

DEPARTMENT
PLANNING: SLDB
IMPLEMENTATION: SLDB
BUGET: SLDB

NAME OF PROJECT: Management SLDB - Lamaus public

CONTENTS

DESCRIPTION: SLDB management - small holder scheme

Equipment:
Tractor and rotavator
4 Power tillers
4 Threshers
4 Knapsack
7 Manual knapsack
Tools
Lorry

COSTS AND REVENUES (1973 PRICES)

TOTAL INVESTMENT COSTS: $502 000 INVESTMENT PERIOD: 1977 to 1980

INVESTMENT YEAR BY YEAR: $'000

1: $50	2: $113	3: $179	4: $160	5:
6:	7:	8:	9:	10:

OPERATING COSTS YEAR BY YEAR: $'000

1: $38	2: $153	3: $235	4: $259	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

REVENUES YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

SHORT DESCRIPTION OF POSSIBLE ECONOMIES OF SCALE CONCERNING INVESTMENT AND OPERATION COSTS

UNIT (OR ITEM) COSTS AND UNIT (OR ITEM) REVENUES:

DERIVED EFFECTS OF IMPLEMENTING THE PROJECT

MAIN EFFECTS ON THE ENVIRONMENT: 331 farms benefited

EMPLOYMENT:

YEAR	CONSTRUCTION				OPERATION			
	PROFESSIO-NALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL	PROFESSIO-NALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL
1977					7			7
1978					18			18
1979					20			20
1980					24			24

INPUT OTHER THAN LABOUR: CONSTRUCTION (C), OPERATION (O)

YEARLY PRODUCTION:

NET REQUIREMENTS OF FOREIGN EXCHANGE YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

LINKS

LINKS TO OTHER PROJECTS AND DEVELOPMENT PACKAGES

NO: 8 NAME: Lamaus Rural Development
NO: NAME:
NO: NAME:
NO: NAME:
NO: NAME:
NO: NAME:
NO: NAME:

FINANCING

POSSIBILITIES OF FINANCING:

1: FEDERAL GOVERNMENT	☐	2: STATE GOVERNMENT	☐
3: LOCAL GOVERNMENT	☐	4: STATUTORY BODIES	✓
5: PUBLIC FUNDS	☐	6: PRIVATE DOMESTIC SAVINGS	☐
7: PRIVATE FOREIGN LOANS	☐	8: PUBLIC FOREIGN LOANS	☐

REFERENCES

REFERENCES:

1: Supporting Report 2, Part III
2:
3:
4:
5:

IDENTIFICATION

PROJECT NUMBER: 172 A SECTOR: AGRICULTURE

DEPARTMENT — PLANNING: SLDB; IMPLEMENTATION: SLDB; BUGET: SLDB

NAME OF PROJECT: Niab-Suai oil palm factory

CONTENTS

DESCRIPTION: Oil palm mill in Niab-Suai area

Construction divided into 2 phases
Phase 1 - comprises establishment of a mill with capaciaty of 30 tons per hour
Phase 2 - increasing mill capacity to 60 tons per hour in 1983

Housing and offices

COSTS AND REVENUES (1973 PRICES)

TOTAL INVESTMENT COSTS: $6 000 000 INVESTMENT PERIOD: 1977 to 1978

INVESTMENT YEAR BY YEAR: $'000

1: $3 000	2: $3 000	3:	4:	5:
6: $3 542	7:	8:	9:	10:

OPERATING COSTS YEAR BY YEAR: $'000

1:	2:	3: $2 089	4: $4 017	5: $6 793
6: $13 289	7: $13 469	8: $16 408	9: $18 777	10: $20 353
11: $21 088	12: $21 404	13: $21 404	14: $21 404	15: $21 404
16: $21 404	17: $21 404	18: $21 404	19: $21 404	20: $21 404

REVENUES YEAR BY YEAR: $'000

1:	2:	3: $1 196	4: $3 153	5: $5 971
6: $8 998	7: $12 322	8: $15 380	9: $17 847	10: $19 452
11: $20 234	12: $20 543	13: $20 547	14: $20 430	15: $20 223
16: $19 911	17: $19 566	18: $19 215	19: $18 866	20: $18 563

SHORT DESCRIPTION OF POSSIBLE ECONOMIES OF SCALE CONCERNING INVESTMENT AND OPERATION COSTS

UNIT (OR ITEM) COSTS AND UNIT (OR ITEM) REVENUES:

Processing charge - $12 per ton of ffb
Cost per ton of ffb processed
Stage 1A 30 ton mill - $32
Stage 1B 30 ton mill - $19.35
Full operation 60 ton mill - $11.78
Capital cost for a 60 ton mill - $9 500 000

DERIVED EFFECTS OF IMPLEMENTING THE PROJECT

MAIN EFFECTS ON THE ENVIRONMENT: Mill collects and processes fresh fruit bunches from the following agricultural development areas:- Igang, Galasah, Sawai, Lamaus, Ensabang, Jatan, Sebanah, Telabit and Kabatu

EMPLOYMENT:

YEAR	CONSTRUCTION				OPERATION			
	PROFESSIONALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL	PROFESSIONALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL
1977								7
1978								14
1979							62	77
1980							62	84

INPUT OTHER THAN LABOUR: CONSTRUCTION (C), OPERATION (O)

YEARLY PRODUCTION: Start processing in 1979 - 13.65 tons of ffb
Peak handling in 1989 - 257.83 tons of ffb

NET REQUIREMENTS OF FOREIGN EXCHANGE YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

LINKS

LINKS TO OTHER PROJECTS AND DEVELOPMENT PACKAGES

NO: 5	NAME: Igang Estate Rural Development
NO: 6	NAME: Galasah Rural Development
NO: 7	NAME: Sebanah Rural Development
NO: 8	NAME: Lamaus Rural Development
NO: 9	NAME: Ensabang Rural Development
NO: 10	NAME: Telabit Rural Development
NO:	NAME:

FINANCING

POSSIBILITIES OF FINANCING:

1: FEDERAL GOVERNMENT		2: STATE GOVERNMENT	
3: LOCAL GOVERNMENT		4: STATUTORY BODIES	✓
5: PUBLIC FUNDS		6: PRIVATE DOMESTIC SAVINGS	
7: PRIVATE FOREIGN LOANS		8: PUBLIC FOREIGN LOANS	

REFERENCES

REFERENCES:

1: Supporting Report 2, Part II
2:
3:
4:
5:

IDENTIFICATION

PROJECT NUMBER: 172 B SECTOR: AGRICULTURE

DEPARTMENT — PLANNING: SLDB; IMPLEMENTATION: SLDB; BUGET: SLDB

NAME OF PROJECT: Lambir-Subis oil palm factory

CONTENTS

DESCRIPTION: Establish 60 tons per hour oil palm mill at Ladang Tiga
To process oil palm fruit from Lambir-Subis RDA

COSTS AND REVENUES (1973 PRICES)

TOTAL INVESTMENT COSTS: $7 400 000 INVESTMENT PERIOD: 1975 to 1977

INVESTMENT YEAR BY YEAR: $'000

1: $3 800	2:	3: $3 500	4:	5:
6:	7:	8:	9:	10:

OPERATING COSTS YEAR BY YEAR: $'000 (including payment to growers for fruit)

1: $10 960	2: $17 562	3: $21 515	4: $23 110	5: $23 830
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

REVENUES YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

SHORT DESCRIPTION OF POSSIBLE ECONOMIES OF SCALE CONCERNING INVESTMENT AND OPERATION COSTS

UNIT (OR ITEM) COSTS AND UNIT (OR ITEM) REVENUES:

Refer Project 172 A

DERIVED EFFECTS OF IMPLEMENTING THE PROJECT

MAIN EFFECTS ON THE ENVIRONMENT:

EMPLOYMENT:

YEAR	CONSTRUCTION				OPERATION			
	PROFESSIONALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL	PROFESSIONALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL
1								
2								
3								
4								
5								
6								
7								
8								
9								
10								

INPUT OTHER THAN LABOUR: CONSTRUCTION (C), OPERATION (O)

YEARLY PRODUCTION:

NET REQUIREMENTS OF FOREIGN EXCHANGE YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

LINKS

LINKS TO OTHER PROJECTS AND DEVELOPMENT PACKAGES

NO: NAME:
NO: NAME:
NO: NAME:
NO: NAME:
NO: NAME:
NO: NAME:
NO: NAME:

FINANCING

POSSIBILITIES OF FINANCING:

1: FEDERAL GOVERNMENT		2: STATE GOVERNMENT	
3: LOCAL GOVERNMENT		4: STATUTORY BODIES	✓
5: PUBLIC FUNDS		6: PRIVATE DOMESTIC SAVINGS	
7: PRIVATE FOREIGN LOANS		8: PUBLIC FOREIGN LOANS	

REFERENCES

REFERENCES:

1:
2:
3:
4:
5:

IDENTIFICATION

PROJECT NUMBER: 173 SECTOR: AGRICULTURE

DEPARTMENT | PLANNING: / IMPLEMENTATION: / BUGET: } PRIVATE

NAME OF PROJECT: Clearing, planting and operating – Majam Area

CONTENTS

DESCRIPTION: Nish-Suai and Sekudong RDA
Clearing, planting and operating of 4 230 acres
(Planting commences in 1978 and finishes in 1980)

Oil palm – 2 960 acres
Rubber – 845 acres
Cocoa – 275 acres
Rice – 150 acres

COSTS AND REVENUES (1973 PRICES)

TOTAL INVESTMENT COSTS: $3 815 000 (1977 to 1980 – $2 875 000) INVESTMENT PERIOD: 1977 to 1986

INVESTMENT YEAR BY YEAR: $'000

1: $137	2: $741	3: $967	4: $1 030	5: $458
6: $258	7: $96	8: $73	9: $47	10: $8

OPERATING COSTS YEAR BY YEAR: $'000

1:	2:	3: $6	4: $192	5: $484
6: $783	7: $876	8: $918	9: $959	10: $1 025
11: $1 036	12:	13:	14:	15:
16:	17:	18:	19:	20:

REVENUES YEAR BY YEAR: $'000

1:	2:	3: $12	4: $64	5: $358
6: $834	7: $1 395	8: $1 811	9: $2 089	10: $2 243
11: $2 298	12: etc	13:	14:	15:
16:	17:	18:	19:	20:

SHORT DESCRIPTION OF POSSIBLE ECONOMIES OF SCALE CONCERNING INVESTMENT AND OPERATION COSTS

UNIT (OR ITEM) COSTS AND UNIT (OR ITEM) REVENUES:

Refer Bukit Peninjau Road Based Improvement Scheme

DERIVED EFFECTS OF IMPLEMENTING THE PROJECT

MAIN EFFECTS ON THE ENVIRONMENT: 423 farmers benefited

EMPLOYMENT:

YEAR	CONSTRUCTION				OPERATION			
	PROFESSIONALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL	PROFESSIONALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL
			Field workers				Field workers	
1977			141					
1978			282					
1979			423					
1980			423					
1981			322				101	
1982			211				212	
1983			100				323	

INPUT OTHER THAN LABOUR: CONSTRUCTION (C), OPERATION (O)

Refer Bukit Peninjau Road Based Improvement Scheme

YEARLY PRODUCTION: Oil palm peak production in year 1988 (26 600 tons of ffb)
Rubber peak production in year 1993 (680 tons of drc)
Cocoa peak production in year 1985 (180 tons of dbe)
Rice peak production in year 1984 (190 tons of padi)

NET REQUIREMENTS OF FOREIGN EXCHANGE YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

LINKS

LINKS TO OTHER PROJECTS AND DEVELOPMENT PACKAGES

NO: 14	NAME: Majam Rural Development
NO:	NAME:
NO:	NAME:
NO:	NAME:
NO:	NAME:
NO:	NAME:
NO:	NAME:

FINANCING

POSSIBILITIES OF FINANCING:

1: FEDERAL GOVERNMENT		2: STATE GOVERNMENT	
3: LOCAL GOVERNMENT		4: STATUTORY BODIES	
5: PUBLIC FUNDS		6: PRIVATE DOMESTIC SAVINGS	✓
7: PRIVATE FOREIGN LOANS		8: PUBLIC FOREIGN LOANS	

REFERENCES

REFERENCES:

1: Supporting Report 2, Part II
2:
3:
4:
5:

IDENTIFICATION

PROJECT NUMBER: 174 SECTOR: AGRICULTURE

DEPARTMENT: PLANNING: / IMPLEMENTATION: / BUGET: PRIVATE

NAME OF PROJECT: Management Private Investor - Majam

CONTENTS

DESCRIPTION: Management of 4 230 net acres

COSTS AND REVENUES (1973 PRICES)

TOTAL INVESTMENT COSTS: $448 000 (1977 to 1980 - $308 000) INVESTMENT PERIOD: 1977 to 1982

INVESTMENT YEAR BY YEAR: $'000

1: $24	2: $67	3: $93	4: $124	5: $81
6: $54	7:	8:	9:	10:

OPERATING COSTS YEAR BY YEAR: $'000

1: $18	2: $75	3: $140	4: $195	5: $211
6: $218	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

REVENUES YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

SHORT DESCRIPTION OF POSSIBLE ECONOMIES OF SCALE CONCERNING INVESTMENT AND OPERATION COSTS

UNIT (OR ITEM) COSTS AND UNIT (OR ITEM) REVENUES:

DERIVED EFFECTS OF IMPLEMENTING THE PROJECT

MAIN EFFECTS ON THE ENVIRONMENT:

EMPLOYMENT:

YEAR	CONSTRUCTION				OPERATION			
	PROFESSIONALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL	PROFESSIONALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL
1					3			3
2					8			8
3					13			13
4					16			16
5					18			18
6					19			19
7								
8								
9								
10								

INPUT OTHER THAN LABOUR: CONSTRUCTION (C), OPERATION (O)

YEARLY PRODUCTION:

NET REQUIREMENTS OF FOREIGN EXCHANGE YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

LINKS

LINKS TO OTHER PROJECTS AND DEVELOPMENT PACKAGES

NO: 14	NAME: Majam Rural Development
NO:	NAME:
NO:	NAME:
NO:	NAME:
NO:	NAME:
NO:	NAME:
NO:	NAME:

FINANCING

POSSIBILITIES OF FINANCING:

1: FEDERAL GOVERNMENT		2: STATE GOVERNMENT	
3: LOCAL GOVERNMENT		4: STATUTORY BODIES	
5: PUBLIC FUNDS		6: PRIVATE DOMESTIC SAVINGS	✓
7: PRIVATE FOREIGN LOANS	✓	8: PUBLIC FOREIGN LOANS	

REFERENCES

REFERENCES:

1: Supporting Report 2, Part III
2:
3:
4:
5:

IDENTIFICATION

PROJECT NUMBER: 175 SECTOR: AGRICULTURE

DEPARTMENT | PLANNING: IMPLEMENTATION: BUGET: } PRIVATE

NAME OF PROJECT: Clearing, planting and operating – Ulu Masiat Area

CONTENTS

DESCRIPTION: Lambir-Subis RDA Private Investor
Clearing, planting and operating of 3 420 acres
(Planting commences in 1976 and finishes in 1980)

Oil palm – 2 395 acres
Rubber – 685 acres
Cocoa – 220 acres
Rice – 120 acres

COSTS AND REVENUES (1973 PRICES)

TOTAL INVESTMENT COSTS: $3 085 000 (1977 to 1980 – $2 324 000) INVESTMENT PERIOD: 1977 to 1986

INVESTMENT YEAR BY YEAR: $'000

1: $110	2: $598	3: $782	4: $834	5: $371
6: $209	7: $76	8: $59	9: $38	10: $6

OPERATING COSTS YEAR BY YEAR: $'000

1:	2:	3: $5	4: $155	5: $391
6: $633	7: $708	8: $743	9: $775	10: $829
11: $838	12: $838	13: $838	14: $838	15: $838
16: $838	17: $838	18: $838	19: $838	20: $838

REVENUES YEAR BY YEAR: $'000

1:	2:	3: $10	4: $51	5: $289
6: $673	7: $1 127	8: $1 463	9: $1 689	10: $1 813
11: $1 858	12: $1 858	13: $1 858	14: $1 858	15: $1 858
16: $1 858	17: $1 858	18: $1 858	19: $1 858	20: $1 858

SHORT DESCRIPTION OF POSSIBLE ECONOMIES OF SCALE CONCERNING INVESTMENT AND OPERATION COSTS

UNIT (OR ITEM) COSTS AND UNIT (OR ITEM) REVENUES:

Refer Bukit Peninjau Road Based Improvement Scheme

DERIVED EFFECTS OF IMPLEMENTING THE PROJECT

MAIN EFFECTS ON THE ENVIRONMENT: 342 farmers benefited

EMPLOYMENT:

YEAR	CONSTRUCTION				OPERATION			
	PROFESSIO-NALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL	PROFESSIO-NALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL
			Field workers				Field workers	
1977			114					
1978			228					
1979			342					
1980			342					
1981			260				82	
1982			120				286	
1983			80				262	

INPUT OTHER THAN LABOUR: CONSTRUCTION (C), OPERATION (O)

Refer Bukit Peninjau Road Based Improvement Scheme

YEARLY PRODUCTION:
Oil palm peak production in year 1988 (21 600 tons of ffb)
Rubber peak production in year 1993 (550 tons of drc)
Cocoa peak production in year 1985 (150 tons of dbe)
Rice peak production in year 1984 (150 tons of padi)

NET REQUIREMENTS OF FOREIGN EXCHANGE YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

LINKS

LINKS TO OTHER PROJECTS AND DEVELOPMENT PACKAGES

NO: 15	NAME: Ulu Masiat Rural Development
NO:	NAME:
NO:	NAME:
NO:	NAME:
NO:	NAME:
NO:	NAME:
NO:	NAME:

FINANCING

POSSIBILITIES OF FINANCING:

1: FEDERAL GOVERNMENT		2: STATE GOVERNMENT	
3: LOCAL GOVERNMENT		4: STATUTORY BODIES	
5: PUBLIC FUNDS		6: PRIVATE DOMESTIC SAVINGS	✓
7: PRIVATE FOREIGN LOANS		8: PUBLIC FOREIGN LOANS	

REFERENCES

REFERENCES:

1: Supporting Report 2, Part II
2:
3:
4:
5:

IDENTIFICATION

PROJECT NUMBER: 176 SECTOR: AGRICULTURE

DEPARTMENT — PLANNING: / IMPLEMENTATION: / BUGET: — PRIVATE

NAME OF PROJECT: Management private – Ulu Masiat Area

CONTENTS

DESCRIPTION: Private management of 3 420 acres of cropped area.

COSTS AND REVENUES (1977 PRICES)

TOTAL INVESTMENT COSTS: $358 000 INVESTMENT PERIOD: 1977 to 1980

INVESTMENT YEAR BY YEAR: $'000

1: $58	2: $104	3: $64	4: $132	5:
6:	7:	8:	9:	10:

OPERATING COSTS YEAR BY YEAR: $'000

1: $45	2: $136	3: $159	4: $177	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

REVENUES YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

SHORT DESCRIPTION OF POSSIBLE ECONOMIES OF SCALE CONCERNING INVESTMENT AND OPERATION COSTS

UNIT (OR ITEM) COSTS AND UNIT (OR ITEM) REVENUES:

DERIVED EFFECTS OF IMPLEMENTING THE PROJECT

MAIN EFFECTS ON THE ENVIRONMENT: 342 farmers benefited

EMPLOYMENT:

YEAR	CONSTRUCTION				OPERATION			
	PROFESSIONALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL	PROFESSIONALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL
1977					3			3
1978					7			7
1979					10			10
1980					13			13

INPUT OTHER THAN LABOUR: CONSTRUCTION (C), OPERATION (O)

YEARLY PRODUCTION:

NET REQUIREMENTS OF FOREIGN EXCHANGE YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

LINKS

LINKS TO OTHER PROJECTS AND DEVELOPMENT PACKAGES

NO: 15 NAME: Ulu Masiat Rural Development
NO: NAME:
NO: NAME:
NO: NAME:
NO: NAME:
NO: NAME:
NO: NAME:

FINANCING

POSSIBILITIES OF FINANCING:

1: FEDERAL GOVERNMENT		2: STATE GOVERNMENT	
3: LOCAL GOVERNMENT		4: STATUTORY BODIES	
5: PUBLIC FUNDS		6: PRIVATE DOMESTIC SAVINGS	✓
7: PRIVATE FOREIGN LOANS		8: PUBLIC FOREIGN LOANS	

REFERENCES

REFERENCES:

1: Supporting Report 2, Part III
2:

IDENTIFICATION

PROJECT NUMBER: 177 SECTOR: AGRICULTURE

DEPARTMENT — PLANNING: ADC; IMPLEMENTATION: PRIVATE; BUGET: PRIVATE

NAME OF PROJECT: Clearing, planting and operating - Long Lama Road Based Improvement Scheme

CONTENTS

DESCRIPTION: Clearing, planting and operating of 3 700 acres (Planting commences in 1978 and finishes in 1982)

Rubber - 2 505 acres
Cocoa - 305 acres
Rice - 305 acres
Other crops - 585 acres

220 farmers

COSTS AND REVENUES (1973 PRICES)

TOTAL INVESTMENT COSTS: $3 209 000 (1977 to 1980 - $1 531 000) INVESTMENT PERIOD: 1977 to 1988

INVESTMENT YEAR BY YEAR: $'000

1: $96	2: $470	3: $422	4: $543	5: $566
6: $423	7: $271	8: $183	9: $120	10: $75
11: $33	12: $7			

OPERATING COSTS YEAR BY YEAR: $'000

1:	2:	3: $39	4: $55	5: $121
6: $167	7: $231	8: $423	9: $582	10: $731
11: $885	12: $972	13: $990	14: $990	15: $990
16: $990	17: $990	18: $990	19: $990	20: $990

REVENUES YEAR BY YEAR: $'000

1:	2:	3: $53	4: $79	5: $170
6: $254	7: $339	8: $590	9: $821	10: $1 015
11: $1 220	12: $1 346	13: $1 377	14: $1 377	15: $1 377
16: $1 377	17: $1 377	18: $1 377	19: $1 377	20: $1 377

SHORT DESCRIPTION OF POSSIBLE ECONOMIES OF SCALE CONCERNING INVESTMENT AND OPERATION COSTS

UNIT (OR ITEM) COSTS AND UNIT (OR ITEM) REVENUES:

Refer Bukit Peninjau Road Based Improvement Scheme

DERIVED EFFECTS OF IMPLEMENTING THE PROJECT

MAIN EFFECTS ON THE ENVIRONMENT: 220 farmers benefited by 1982

EMPLOYMENT:

YEAR	CONSTRUCTION				OPERATION			
	PROFESSIONALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL	PROFESSIONALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL
			Field workers					
1977			150					
1978			210					
1979			300					
1980			400					
1981			440					

INPUT OTHER THAN LABOUR: CONSTRUCTION (C), OPERATION (O)

Refer Bukit Peninjau Road Based Improvement Scheme

YEARLY PRODUCTION: Rubber peak production in year 1995 (1 700 tons of drc)
Cocoa peak production in year 1987 (170 tons of dbe)
Rice peak production in year 1986 (380 tons of padi)

NET REQUIREMENTS OF FOREIGN EXCHANGE YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

LINKS

LINKS TO OTHER PROJECTS AND DEVELOPMENT PACKAGES

NO: 23 NAME: Long Lama RBD Rural Development
NO: NAME:
NO: NAME:
NO: NAME:
NO: NAME:
NO: NAME:
NO: NAME:

FINANCING

POSSIBILITIES OF FINANCING:

1: FEDERAL GOVERNMENT	☐	2: STATE GOVERNMENT	☐
3: LOCAL GOVERNMENT	☐	4: STATUTORY BODIES	☐
5: PUBLIC FUNDS	☐	6: PRIVATE DOMESTIC SAVINGS	✓
7: PRIVATE FOREIGN LOANS	☐	8: PUBLIC FOREIGN LOANS	☐

REFERENCES

REFERENCES:

1: Supporting Report 2, Part II
2:
3:
4:
5:

IDENTIFICATION

PROJECT NUMBER: 178 SECTOR: AGRICULTURE

DEPARTMENT
PLANNING: ADU
IMPLEMENTATION: PRIVATE
BUGET: PRIVATE

NAME OF PROJECT: Clearing, planting and operating - Labang Road Based Development

CONTENTS

DESCRIPTION: Clearing, planting and operating of 3 050 acres
(Planting commences in 1978 and finishes in 1982)

Rubber - 2 115 acres
Cocoa - 255 acres
Rice - 255 acres
Other crops - 425 acres

185 farmers

COSTS AND REVENUES (1973 PRICES)

TOTAL INVESTMENT COSTS: $2 647 000 (1977 to 1980 - $1 464 000) INVESTMENT PERIOD: 1977 to 1988

INVESTMENT YEAR BY YEAR: $'000

1: $96	2: $470	3: $416	4: $182	5: $396
6: $299	7: $204	8: $136	9: $82	10: $45
11: $17	12: $4			

OPERATING COSTS YEAR BY YEAR: $'000

1:	2:	3: $39	4: $55	5: $118
6: $151	7: $207	8: $386	9: $538	10: $667
11: $761	12: $806	13: $816	14: $816	15: $816
16: $816	17: $816	18: $816	19: $816	20: $816

REVENUES YEAR BY YEAR: $'000

1:	2:	3: $53	4: $79	5: $167
6: $232	7: $305	8: $536	9: $751	10: $923
11: $1 053	12: $1 118	13: $1 135	14: $1 135	15: $1 135
16: $1 135	17: $1 135	18: $1 135	19: $1 135	20: $1 135

SHORT DESCRIPTION OF POSSIBLE ECONOMIES OF SCALE CONCERNING INVESTMENT AND OPERATION COSTS

UNIT (OR ITEM) COSTS AND UNIT (OR ITEM) REVENUES:

Refer Bukit Peninjau Road Based Improvement Scheme

DERIVED EFFECTS OF IMPLEMENTING THE PROJECT

MAIN EFFECTS ON THE ENVIRONMENT: 185 farmers benefited by 1982

EMPLOYMENT:

YEAR	CONSTRUCTION				OPERATION			
	PROFESSIONALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL	PROFESSIONALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL
			Field workers					
1977			150					
1978			210					
1979			300					
1980			350					
1981			370					

INPUT OTHER THAN LABOUR: CONSTRUCTION (C), OPERATION (O)

Refer Bukit Peninjau Road Based Improvement Scheme

YEARLY PRODUCTION: Rubber peak production in year 1995 (1 440 tons of drc)
Cocoa peak production in year 1987 (150 tons of dbe)
Rice peak production in year 1986 (310 tons of padi)

NET REQUIREMENTS OF FOREIGN EXCHANGE YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

LINKS

LINKS TO OTHER PROJECTS AND DEVELOPMENT PACKAGES

NO: 17 NAME: Labang RBD Rural Development
NO: NAME:
NO: NAME:
NO: NAME:
NO: NAME:
NO: NAME:
NO: NAME:

FINANCING

POSSIBILITIES OF FINANCING:

1: FEDERAL GOVERNMENT		2: STATE GOVERNMENT	
3: LOCAL GOVERNMENT		4: STATUTORY BODIES	
5: PUBLIC FUNDS		6: PRIVATE DOMESTIC SAVINGS	✓
7: PRIVATE FOREIGN LOANS		8: PUBLIC FOREIGN LOANS	

REFERENCES

REFERENCES:

1: Supporting Report 2, Part II
2:
3:
4:
5:

IDENTIFICATION

PROJECT NUMBER: 179 SECTOR: AGRICULTURE

DEPARTMENT — PLANNING: / IMPLEMENTATION: / BUGET: } PRIVATE

NAME OF PROJECT: Cattle Scheme – Menantan Cattle Area (Private)

CONTENTS

DESCRIPTION: 2 500 acres
5 000 head of cattle

COSTS AND REVENUES (1973 PRICES)

TOTAL INVESTMENT COSTS: $2 064 000 INVESTMENT PERIOD: 1977 to 1980

INVESTMENT YEAR BY YEAR: $'000

1: $341	2: $878	3: $649	4: $196	5:
6:	7:	8:	9:	10:

OPERATING COSTS YEAR BY YEAR: $'000

1: $43	2: $107	3: $164	4: $22	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

REVENUES YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

SHORT DESCRIPTION OF POSSIBLE ECONOMIES OF SCALE CONCERNING INVESTMENT AND OPERATION COSTS

UNIT (OR ITEM) COSTS AND UNIT (OR ITEM) REVENUES:

DERIVED EFFECTS OF IMPLEMENTING THE PROJECT

MAIN EFFECTS ON THE ENVIRONMENT:

EMPLOYMENT:

YEAR	CONSTRUCTION				OPERATION			
	PROFESSIONALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL	PROFESSIONALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL
1977								79
1978								86
1979								33
1980								33

INPUT OTHER THAN LABOUR: CONSTRUCTION (C), OPERATION (O)

YEARLY PRODUCTION:

NET REQUIREMENTS OF FOREIGN EXCHANGE YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

LINKS

LINKS TO OTHER PROJECTS AND DEVELOPMENT PACKAGES

NO: 12	NAME: Menantan Rural Development
NO:	NAME:
NO:	NAME:
NO:	NAME:
NO:	NAME:
NO:	NAME:
NO:	NAME:

FINANCING

POSSIBILITIES OF FINANCING:

1: FEDERAL GOVERNMENT		2: STATE GOVERNMENT	
3: LOCAL GOVERNMENT		4: STATUTORY BODIES	
5: PUBLIC FUNDS		6: PRIVATE DOMESTIC SAVINGS	✓
7: PRIVATE FOREIGN LOANS		8: PUBLIC FOREIGN LOANS	

REFERENCES

REFERENCES:

1: Supporting Report 2, Parts II and V
2:
3:
4:
5:

IDENTIFICATION

PROJECT NUMBER: 180 SECTOR: AGRICULTURE

DEPARTMENT — PLANNING: AGRICULTURE; IMPLEMENTATION: ADU; BUGET: AGRICULTURE

NAME OF PROJECT: Management ADU - Long Lama RBD

CONTENTS

DESCRIPTION: ADU management of 3 700 acres of cropped land

Equipment:
- 2 Power tillers
- 2 Threshers
- 2 Knapsacks
- 4 Manual knapsacks
- Tractor and rotavator
- Lorry

Quarters:
- 1 Class B
- 8 Class C
- 6 Class D

COSTS AND REVENUES (1973 PRICES)

TOTAL INVESTMENT COSTS: $333 000 INVESTMENT PERIOD: 1977 to 1980

INVESTMENT YEAR BY YEAR: $'000

1: $206	2:	3: $71	4: $56	5:
6:	7:	8:	9:	10:

OPERATING COSTS YEAR BY YEAR: $'000

1: $48	2: $51	3: $64	4: $79	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

REVENUES YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

SHORT DESCRIPTION OF POSSIBLE ECONOMIES OF SCALE CONCERNING INVESTMENT AND OPERATION COSTS

UNIT (OR ITEM) COSTS AND UNIT (OR ITEM) REVENUES:

Refer Bukit Peninjau Road Based Improvement Scheme

DERIVED EFFECTS OF IMPLEMENTING THE PROJECT

MAIN EFFECTS ON THE ENVIRONMENT: 220 farmers benefited

EMPLOYMENT:

YEAR	CONSTRUCTION				OPERATION			
	PROFESSIO-NALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL	PROFESSIO-NALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL
1977					9			9
1978					9			9
1979					11			11
1980					15			15

INPUT OTHER THAN LABOUR: CONSTRUCTION (C), OPERATION (O)

YEARLY PRODUCTION:

NET REQUIREMENTS OF FOREIGN EXCHANGE YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

LINKS

LINKS TO OTHER PROJECTS AND DEVELOPMENT PACKAGES

NO: 23	NAME: Long Lama RBD Rural Development
NO:	NAME:
NO:	NAME:
NO:	NAME:
NO:	NAME:
NO:	NAME:
NO:	NAME:

FINANCING

POSSIBILITIES OF FINANCING:

1: FEDERAL GOVERNMENT		2: STATE GOVERNMENT	
3: LOCAL GOVERNMENT		4: STATUTORY BODIES	
5: PUBLIC FUNDS	✓	6: PRIVATE DOMESTIC SAVINGS	
7: PRIVATE FOREIGN LOANS		8: PUBLIC FOREIGN LOANS	

REFERENCES

REFERENCES:

1: Supporting Report 2, Part III
2:
3:
4:
5:

IDENTIFICATION

PROJECT NUMBER: 181 SECTOR: AGRICULTURE

DEPARTMENT — PLANNING: AGRICULTURE; IMPLEMENTATION: ADU; BUGET: AGRICULTURE

NAME OF PROJECT: Management ADU - Labang RDB

CONTENTS

DESCRIPTION: ADU management of 3 050 acres of cropped area

Equipment:
- 2 Power tillers
- 2 Threshers
- 2 Knapsacks
- 3 Manual knapsacks
- Tractor and rotavator
- Lorry
- Tools

Quarters by 1980:
- 1 Class B
- 8 Class C
- 6 Class D

COSTS AND REVENUES (1973 PRICES)

TOTAL INVESTMENT COSTS: $333 000 INVESTMENT PERIOD: 1977 to 1980

INVESTMENT YEAR BY YEAR: $'000

1: $206	2:	3: $63	4: $64	5:
6:	7:	8:	9:	10:

OPERATING COSTS YEAR BY YEAR: $'000

1: $48	2: $51	3: $64	4: $78	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

REVENUES YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

SHORT DESCRIPTION OF POSSIBLE ECONOMIES OF SCALE CONCERNING INVESTMENT AND OPERATION COSTS

UNIT (OR ITEM) COSTS AND UNIT (OR ITEM) REVENUES:

Refer Bukit Peninjau Road Based Improvement Scheme

DERIVED EFFECTS OF IMPLEMENTING THE PROJECT

MAIN EFFECTS ON THE ENVIRONMENT: 185 farmers benefited by 1982

EMPLOYMENT:

YEAR	CONSTRUCTION				OPERATION			
	PROFESSIO-NALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL	PROFESSIO-NALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL
1977					9			9
1978					9			9
1979					11			11
1980					15			15

INPUT OTHER THAN LABOUR: CONSTRUCTION (C), OPERATION (O)

YEARLY PRODUCTION:

NET REQUIREMENTS OF FOREIGN EXCHANGE YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

LINKS

LINKS TO OTHER PROJECTS AND DEVELOPMENT PACKAGES

NO: 17	NAME: Labang RBD Rural Development
NO:	NAME:
NO:	NAME:
NO:	NAME:
NO:	NAME:
NO:	NAME:
NO:	NAME:

FINANCING

POSSIBILITIES OF FINANCING:

1: FEDERAL GOVERNMENT		2: STATE GOVERNMENT	
3: LOCAL GOVERNMENT		4: STATUTORY BODIES	
5: PUBLIC FUNDS	✓	6: PRIVATE DOMESTIC SAVINGS	
7: PRIVATE FOREIGN LOANS		8: PUBLIC FOREIGN LOANS	

REFERENCES

REFERENCES:

1: Supporting Report 2, Part III
2:
3:
4:
5:

IDENTIFICATION

PROJECT NUMBER: 182 SECTOR: FORESTRY

DEPARTMENT
PLANNING: FD/PRIVATE
IMPLEMENTATION: PRIVATE
BUGET: PRIVATE

NAME OF PROJECT: Salvage felling - Ensabang

CONTENTS

DESCRIPTION: Salvage felling of forest land for agricultural cultivation
7 750 acres - felling, skidding and loading

COSTS AND REVENUES (1973 PRICES)

TOTAL INVESTMENT COSTS: INVESTMENT PERIOD: 1977 to 1978

INVESTMENT YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:

OPERATING COSTS YEAR BY YEAR: $'000

1: $1 610	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

REVENUES YEAR BY YEAR: $'000

1: $2 450	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

SHORT DESCRIPTION OF POSSIBLE ECONOMIES OF SCALE CONCERNING INVESTMENT AND OPERATION COSTS

UNIT (OR ITEM) COSTS AND UNIT (OR ITEM) REVENUES:

DERIVED EFFECTS OF IMPLEMENTING THE PROJECT

MAIN EFFECTS ON THE ENVIRONMENT:

EMPLOYMENT:

YEAR	CONSTRUCTION				OPERATION			
	PROFESSIO-NALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL	PROFESSIO-NALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL
1								
2								31
3								
4								
5								
6								
7								
8								
9								
10								

INPUT OTHER THAN LABOUR: CONSTRUCTION (C), OPERATION (O)
6 tractors, saws, 1 loader

YEARLY PRODUCTION: 31 000 tons

NET REQUIREMENTS OF FOREIGN EXCHANGE YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

LINKS

LINKS TO OTHER PROJECTS AND DEVELOPMENT PACKAGES

NO: 9	NAME: Ensabang Rural Development
NO:	NAME:
NO:	NAME:
NO:	NAME:
NO:	NAME:
NO:	NAME:
NO:	NAME:

FINANCING

POSSIBILITIES OF FINANCING:

1: FEDERAL GOVERNMENT		2: STATE GOVERNMENT	
3: LOCAL GOVERNMENT		4: STATUTORY BODIES	
5: PUBLIC FUNDS		6: PRIVATE DOMESTIC SAVINGS	✓
7: PRIVATE FOREIGN LOANS		8: PUBLIC FOREIGN LOANS	

REFERENCES

REFERENCES:

1: Supporting Report 3, Part I
2:
3:
4:
5:

IDENTIFICATION

PROJECT NUMBER: 183 SECTOR: HOUSING

DEPARTMENT — PLANNING: / IMPLEMENTATION: / BUGET: — PRIVATE

NAME OF PROJECT: Housing

CONTENTS

DESCRIPTION: Temporary wooden houses for all road based agriculture schemes, and other small private agricultural farms.

COSTS AND REVENUES (1973 PRICES)

TOTAL INVESTMENT COSTS: $1 500 INVESTMENT PERIOD:

INVESTMENT YEAR BY YEAR:

1: $1 500	2:	3:	4:	5:
6:	7:	8:	9:	10:

OPERATING COSTS YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

REVENUES YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

SHORT DESCRIPTION OF POSSIBLE ECONOMIES OF SCALE CONCERNING INVESTMENT AND OPERATION COSTS

UNIT (OR ITEM) COSTS AND UNIT (OR ITEM) REVENUES:

Per unit house - $1 500

DERIVED EFFECTS OF IMPLEMENTING THE PROJECT

MAIN EFFECTS ON THE ENVIRONMENT:

EMPLOYMENT:

YEAR	CONSTRUCTION				OPERATION			
	PROFESSIONALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL	PROFESSIONALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL
1								
2								
3								
4								
5								
6								
7								
8								
9								
10								

INPUT OTHER THAN LABOUR: CONSTRUCTION (C), OPERATION (O)

YEARLY PRODUCTION:

NET REQUIREMENTS OF FOREIGN EXCHANGE YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

LINKS

LINKS TO OTHER PROJECTS AND DEVELOPMENT PACKAGES

NO: NAME:
NO: NAME:
NO: NAME:
NO: NAME:
NO: NAME:
NO: NAME:
NO: NAME:

FINANCING

POSSIBILITIES OF FINANCING:

1: FEDERAL GOVERNMENT		2: STATE GOVERNMENT	
3: LOCAL GOVERNMENT		4: STATUTORY BODIES	
5: PUBLIC FUNDS		6: PRIVATE DOMESTIC SAVINGS	✓
7: PRIVATE FOREIGN LOANS		8: PUBLIC FOREIGN LOANS	

REFERENCES

REFERENCES:

1: Supporting Report 6, Part V
2:
3:
4:
5:

IDENTIFICATION

PROJECT NUMBER: 184 SECTOR: TRANSPORT

DEPARTMENT: PLANNING: / IMPLEMENTATION: / BUGET: } PWD

NAME OF PROJECT: Access road - Lamaus Public Area

CONTENTS

DESCRIPTION: Improved feeder road standard
Total length - 22 miles

Width of formation - 30 feet
Pavement - 18 feet
Surface - gravel

COSTS AND REVENUES (1973 PRICES)

TOTAL INVESTMENT COSTS: $330 000 INVESTMENT PERIOD: 1977

INVESTMENT YEAR BY YEAR: 1977

1: $330 000	2:	3:	4:	5:
6:	7:	8:	9:	10:

OPERATING COSTS YEAR BY YEAR:

1: $11 000	2: $11 000	3: $11 000	4: $26 000	5: $11 000
6: $11 000	7: $11 000	8: $26 000	9: etc	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

REVENUES YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

SHORT DESCRIPTION OF POSSIBLE ECONOMIES OF SCALE CONCERNING INVESTMENT AND OPERATION COSTS

UNIT (OR ITEM) COSTS AND UNIT (OR ITEM) REVENUES:

1 mile - $150 000

DERIVED EFFECTS OF IMPLEMENTING THE PROJECT

MAIN EFFECTS ON THE ENVIRONMENT: Links Lamaus with the whole road network system

EMPLOYMENT:

YEAR	CONSTRUCTION				OPERATION			
	PROFESSIO-NALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL	PROFESSIO-NALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL
1								
2								
3								
4								
5								2
6								2
7								2
8								
9								
10								

INPUT OTHER THAN LABOUR: CONSTRUCTION (C), OPERATION (O)

YEARLY PRODUCTION:

NET REQUIREMENTS OF FOREIGN EXCHANGE YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

LINKS

LINKS TO OTHER PROJECTS AND DEVELOPMENT PACKAGES

NO: 8	NAME: Lamaus Rural Development
NO:	NAME:
NO:	NAME:
NO:	NAME:
NO:	NAME:
NO:	NAME:
NO:	NAME:

FINANCING

POSSIBILITIES OF FINANCING:

1: FEDERAL GOVERNMENT		2: STATE GOVERNMENT	✓
3: LOCAL GOVERNMENT		4: STATUTORY BODIES	
5: PUBLIC FUNDS		6: PRIVATE DOMESTIC SAVINGS	
7: PRIVATE FOREIGN LOANS		8: PUBLIC FOREIGN LOANS	

REFERENCES

REFERENCES:

1: Supporting Report 7
2: Supporting Report 6, Part II
3:
4:
5:

IDENTIFICATION

PROJECT NUMBER: 185 SECTOR: TRANSPORT

DEPARTMENT — PLANNING: / IMPLEMENTATION: / BUGET: — PWD

NAME OF PROJECT: Access road - Ensabang

CONTENTS

DESCRIPTION: Improved feeder road standard
Total length - 7.4 miles

Width of formation - 30 feet
Pavement - 18 feet
Surface - gravel

COSTS AND REVENUES (1973 PRICES)

TOTAL INVESTMENT COSTS: $1 110 000 INVESTMENT PERIOD: 1977 to 1978

INVESTMENT YEAR BY YEAR: 1977

1: $500 000	2: $610 000	3:	4:	5:
6:	7:	8:	9:	10:

OPERATING COSTS YEAR BY YEAR: 1979 +

1: $37 000	2: $37 000	3: $37 000	4: $89 000	5: $37 000
6: $37 000	7: $37 000	8: $89 000	9: etc	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

REVENUES YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

SHORT DESCRIPTION OF POSSIBLE ECONOMIES OF SCALE CONCERNING INVESTMENT AND OPERATION COSTS

UNIT (OR ITEM) COSTS AND UNIT (OR ITEM) REVENUES:

1 mile - $150 000

DERIVED EFFECTS OF IMPLEMENTING THE PROJECT

MAIN EFFECTS ON THE ENVIRONMENT: Links Igang with Ensabang

EMPLOYMENT:

YEAR	CONSTRUCTION				OPERATION			
	PROFESSIO-NALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL	PROFESSIO-NALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL
1								
2								
3								5
4								5
5								5
6								5
7								5
8								5
9								5
10								5

INPUT OTHER THAN LABOUR: CONSTRUCTION (C), OPERATION (O)

YEARLY PRODUCTION:

NET REQUIREMENTS OF FOREIGN EXCHANGE YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

LINKS

LINKS TO OTHER PROJECTS AND DEVELOPMENT PACKAGES

NO: 9 NAME: Ensabang Rural Development
NO: NAME:
NO: NAME:
NO: NAME:
NO: NAME:
NO: NAME:
NO: NAME:

FINANCING

POSSIBILITIES OF FINANCING:

1: FEDERAL GOVERNMENT		2: STATE GOVERNMENT	✓
3: LOCAL GOVERNMENT		4: STATUTORY BODIES	
5: PUBLIC FUNDS		6: PRIVATE DOMESTIC SAVINGS	
7: PRIVATE FOREIGN LOANS		8: PUBLIC FOREIGN LOANS	

REFERENCES

REFERENCES:

1: Supporting Report 7
2: Supporting Report 6, Part II
3:
4:
5:

IDENTIFICATION

PROJECT NUMBER: 186 SECTOR: TRANSPORT

DEPARTMENT: PLANNING: / IMPLEMENTATION: / BUGET: } PWD

NAME OF PROJECT: Batang Kemena Road

CONTENTS

DESCRIPTION: Trunk road standard
Total length - 4 miles
Width of formation - 44 feet
Pavement - 24 feet
Surface - gravel

COSTS AND REVENUES (1977 PRICES)

TOTAL INVESTMENT COSTS: $1 040 000 INVESTMENT PERIOD: 1977

INVESTMENT YEAR BY YEAR:

1: $1 040 000	2:	3:	4:	5:
6:	7:	8:	9:	10:

OPERATING COSTS YEAR BY YEAR:

1: $20 000	2: $20 000	3: $20 000	4: $48 000	5: $20 000
6: $20 000	7: $20 000	8: $48 000	9: etc	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

REVENUES YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

SHORT DESCRIPTION OF POSSIBLE ECONOMIES OF SCALE CONCERNING INVESTMENT AND OPERATION COSTS

UNIT (OR ITEM) COSTS AND UNIT (OR ITEM) REVENUES:

1 mile - $260 000

DERIVED EFFECTS OF IMPLEMENTING THE PROJECT

MAIN EFFECTS ON THE ENVIRONMENT: In future linking up the Pan-Sarawak Highway

EMPLOYMENT:

YEAR	CONSTRUCTION				OPERATION			
	PROFESSIO-NALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL	PROFESSIO-NALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL
1								
2								
3								
4								
5								
6								3
7								
8								
9								
10								

INPUT OTHER THAN LABOUR: CONSTRUCTION (C), OPERATION (O)

YEARLY PRODUCTION:

NET REQUIREMENTS OF FOREIGN EXCHANGE YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

LINKS

LINKS TO OTHER PROJECTS AND DEVELOPMENT PACKAGES

NO: NAME:
NO: NAME:
NO: NAME:
NO: NAME:
NO: NAME:
NO: NAME:
NO: NAME:

FINANCING

POSSIBILITIES OF FINANCING:

1: FEDERAL GOVERNMENT		2: STATE GOVERNMENT	✓
3: LOCAL GOVERNMENT		4: STATUTORY BODIES	
5: PUBLIC FUNDS		6: PRIVATE DOMESTIC SAVINGS	
7: PRIVATE FOREIGN LOANS		8: PUBLIC FOREIGN LOANS	

REFERENCES

REFERENCES:

1: Supporting Report 7
2: Supporting Report 6, Part II
3:
4:
5:

IDENTIFICATION

PROJECT NUMBER: 187 SECTOR: TRANSPORT

DEPARTMENT: PLANNING: / IMPLEMENTATION: / BUGET: } PWD

NAME OF PROJECT: Extension of Kuala Baram wharf

CONTENTS

DESCRIPTION:

COSTS AND REVENUES (1973 PRICES)

TOTAL INVESTMENT COSTS: $50 000 INVESTMENT PERIOD: 1977

INVESTMENT YEAR BY YEAR:

1: $50 000	2:	3:	4:	5:
6:	7:	8:	9:	10:

OPERATING COSTS YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

REVENUES YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

SHORT DESCRIPTION OF POSSIBLE ECONOMIES OF SCALE CONCERNING INVESTMENT AND OPERATION COSTS

UNIT (OR ITEM) COSTS AND UNIT (OR ITEM) REVENUES:

DERIVED EFFECTS OF IMPLEMENTING THE PROJECT

MAIN EFFECTS ON THE ENVIRONMENT: Improve the port facilities in Kuala Baram

EMPLOYMENT:

YEAR	CONSTRUCTION				OPERATION			
	PROFESSIONALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL	PROFESSIONALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL
1								
2								
3								
4								
5								
6								
7								
8								
9								
10								

INPUT OTHER THAN LABOUR: CONSTRUCTION (C), OPERATION (O)

YEARLY PRODUCTION:

NET REQUIREMENTS OF FOREIGN EXCHANGE YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

LINKS

LINKS TO OTHER PROJECTS AND DEVELOPMENT PACKAGES

NO: 1 NAME: Miri Town Development
NO: NAME:
NO: NAME:
NO: NAME:
NO: NAME:
NO: NAME:
NO: NAME:

FINANCING

POSSIBILITIES OF FINANCING:

1: FEDERAL GOVERNMENT	☐	2: STATE GOVERNMENT	✓
3: LOCAL GOVERNMENT	☐	4: STATUTORY BODIES	☐
5: PUBLIC FUNDS	☐	6: PRIVATE DOMESTIC SAVINGS	☐
7: PRIVATE FOREIGN LOANS	☐	8: PUBLIC FOREIGN LOANS	☐

REFERENCES

REFERENCES:

1: Mid-Term Review of the Second Malaysia Plan
2:
3:
4:
5:

IDENTIFICATION

PROJECT NUMBER: 188 SECTOR: TRANSPORT

DEPARTMENT: PLANNING: / IMPLEMENTATION: / BUGET: PWD

NAME OF PROJECT: Deep water port - Tanjong Kidurong

CONTENTS

DESCRIPTION: Construction of a port with a draught of 10 feet in the bay formed by Tanjong Kidurong

Provisional estimate of costs and investment period

COSTS AND REVENUES (1977 PRICES)

TOTAL INVESTMENT COSTS: $75 000 000 INVESTMENT PERIOD: 1977 to 1960

INVESTMENT YEAR BY YEAR:

1: $20 000 000	2: $20 000 000	3: $20 000 000	4: $15 000 000	5:
6:	7:	8:	9:	10:

OPERATING COSTS YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

REVENUES YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

SHORT DESCRIPTION OF POSSIBLE ECONOMIES OF SCALE CONCERNING INVESTMENT AND OPERATION COSTS

UNIT (OR ITEM) COSTS AND UNIT (OR ITEM) REVENUES:

DERIVED EFFECTS OF IMPLEMENTING THE PROJECT

MAIN EFFECTS ON THE ENVIRONMENT: Improve the seaward transport connection for Sarawak

EMPLOYMENT:

YEAR	CONSTRUCTION				OPERATION			
	PROFESSIO-NALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL	PROFESSIO-NALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL
1								
2								
3								
4								
5								
6								
7								
8								
9								
10								

INPUT OTHER THAN LABOUR: CONSTRUCTION (C), OPERATION (O)

YEARLY PRODUCTION:

NET REQUIREMENTS OF FOREIGN EXCHANGE YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

LINKS

LINKS TO OTHER PROJECTS AND DEVELOPMENT PACKAGES

NO: NAME:
NO: NAME:
NO: NAME:
NO: NAME:
NO: NAME:
NO: NAME:
NO: NAME:

FINANCING

POSSIBILITIES OF FINANCING:

1: FEDERAL GOVERNMENT		2: STATE GOVERNMENT	✓
3: LOCAL GOVERNMENT		4: STATUTORY BODIES	
5: PUBLIC FUNDS		6: PRIVATE DOMESTIC SAVINGS	
7: PRIVATE FOREIGN LOANS		8: PUBLIC FOREIGN LOANS	✓

REFERENCES

REFERENCES:

1: Bintulu Deep Water Port Study
2:
3:
4:
5:

IDENTIFICATION

PROJECT NUMBER: 189 SECTOR: TRANSPORT

DEPARTMENT: PLANNING: / IMPLEMENTATION: / BUGET: } MCW

NAME OF PROJECT: Public transport - Igang

CONTENTS

DESCRIPTION: Establishment of a bus route to serve the population in the Niah-Suai RDA

2 Buses
1 Bus station

COSTS AND REVENUES (1973 PRICES)

TOTAL INVESTMENT COSTS: $75 000 INVESTMENT PERIOD: 1977

INVESTMENT YEAR BY YEAR:

1: $75 000	2:	3:	4:	5:
6:	7:	8:	9:	10:

OPERATING COSTS YEAR BY YEAR: 1978

1: $40 000	2: etc	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

REVENUES YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

SHORT DESCRIPTION OF POSSIBLE ECONOMIES OF SCALE CONCERNING INVESTMENT AND OPERATION COSTS

UNIT (OR ITEM) COSTS AND UNIT (OR ITEM) REVENUES:

DERIVED EFFECTS OF IMPLEMENTING THE PROJECT

MAIN EFFECTS ON THE ENVIRONMENT: Improves the connection between Igang and its surrounding villages

EMPLOYMENT:

YEAR	CONSTRUCTION				OPERATION			
	PROFESSIO-NALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL	PROFESSIO-NALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL
1								
2								
3								
4								4
5								4
6								4
7								
8								
9								
10								

INPUT OTHER THAN LABOUR: CONSTRUCTION (C), OPERATION (O)

YEARLY PRODUCTION:

NET REQUIREMENTS OF FOREIGN EXCHANGE YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

LINKS

LINKS TO OTHER PROJECTS AND DEVELOPMENT PACKAGES

NO: 5	NAME: Igang Rural Development
NO: 6	NAME: Galasah Rural Development
NO: 7	NAME: Sebanah Rural Development
NO: 9	NAME: Ensabang Rural Development
NO: 8	NAME: Lamaus Rural Development
NO: 10	NAME: Telabit Rural Development
NO:	NAME:

FINANCING

POSSIBILITIES OF FINANCING:

1: FEDERAL GOVERNMENT	☐	2: STATE GOVERNMENT	✓
3: LOCAL GOVERNMENT	☐	4: STATUTORY BODIES	☐
5: PUBLIC FUNDS	☐	6: PRIVATE DOMESTIC SAVINGS	☐
7: PRIVATE FOREIGN LOANS	☐	8: PUBLIC FOREIGN LOANS	☐

REFERENCES

REFERENCES:

1:
2:
3:
4:
5:

IDENTIFICATION

PROJECT NUMBER: 190 SECTOR: PUBLIC SERVICES

DEPARTMENT — PLANNING: EDUCATION; IMPLEMENTATION: PWD; BUGET: EDUCATION

NAME OF PROJECT: Junior College

CONTENTS

DESCRIPTION: Educational complex including Forms 4, 5 and 6
Provisional estimate of costs, employment and investment period.

COSTS AND REVENUES (1973 PRICES)

TOTAL INVESTMENT COSTS: $5 300 000 INVESTMENT PERIOD: 1977 to 1978

INVESTMENT YEAR BY YEAR:

1: $3 000 000	2: $2 300 000	3:	4:	5:
6:	7:	8:	9:	10:

OPERATING COSTS YEAR BY YEAR: 1979

1: $215 000	2: $215 000	3: etc	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

REVENUES YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

SHORT DESCRIPTION OF POSSIBLE ECONOMIES OF SCALE CONCERNING INVESTMENT AND OPERATION COSTS

UNIT (OR ITEM) COSTS AND UNIT (OR ITEM) REVENUES:

DERIVED EFFECTS OF IMPLEMENTING THE PROJECT

MAIN EFFECTS ON THE ENVIRONMENT:

EMPLOYMENT:

YEAR	CONSTRUCTION				OPERATION			
	PROFESSIO-NALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL	PROFESSIO-NALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL
1								
2								
3								
4								
5								50
6								50
7								
8								
9								
10								

INPUT OTHER THAN LABOUR: CONSTRUCTION (C), OPERATION (O)

YEARLY PRODUCTION:

NET REQUIREMENTS OF FOREIGN EXCHANGE YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

LINKS

LINKS TO OTHER PROJECTS AND DEVELOPMENT PACKAGES

NO: 2	NAME: Bintulu Town Development
NO: 26	NAME: Bintulu University Rural Development
NO: 155	NAME: Bintulu University Project
NO:	NAME:
NO:	NAME:
NO:	NAME:
NO:	NAME:

FINANCING

POSSIBILITIES OF FINANCING:

1: FEDERAL GOVERNMENT	✓	2: STATE GOVERNMENT	
3: LOCAL GOVERNMENT		4: STATUTORY BODIES	
5: PUBLIC FUNDS		6: PRIVATE DOMESTIC SAVINGS	
7: PRIVATE FOREIGN LOANS		8: PUBLIC FOREIGN LOANS	

REFERENCES

REFERENCES:

1: Supporting Report 5
2:
3:
4:
5:

IDENTIFICATION

PROJECT NUMBER: 191 SECTOR: PUBLIC SERVICES

DEPARTMENT — PLANNING: EDUCATION; IMPLEMENTATION: PWD; BUGET: EDUCATION

NAME OF PROJECT: Vocational School - Miri

CONTENTS

DESCRIPTION: Vocational School for 300 students covering subjects like mechanical, engineering, electrical, installation, automotive engineering, welding and commerce.

COSTS AND REVENUES (197) PRICES)

TOTAL INVESTMENT COSTS: $1 527 000 INVESTMENT PERIOD: 1975

INVESTMENT YEAR BY YEAR:

1: $1 527 000	2:	3:	4:	5:
6:	7:	8:	9:	10:

OPERATING COSTS YEAR BY YEAR: 1976+

1: $150 000	2: $150 000	3: $150 000	4: $150 000	5: $150 000
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

REVENUES YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

SHORT DESCRIPTION OF POSSIBLE ECONOMIES OF SCALE CONCERNING INVESTMENT AND OPERATION COSTS

UNIT (OR ITEM) COSTS AND UNIT (OR ITEM) REVENUES:

Refer Supporting Report 5

DERIVED EFFECTS OF IMPLEMENTING THE PROJECT

MAIN EFFECTS ON THE ENVIRONMENT: Improve training facilities for work

EMPLOYMENT: 1976

YEAR	CONSTRUCTION				OPERATION			
	PROFESSIO-NALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL	PROFESSIO-NALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL
1								
2								25
3								25
4								25
5								25
6								25
7								
8								
9								
10								

INPUT OTHER THAN LABOUR: CONSTRUCTION (C), OPERATION (O)

YEARLY PRODUCTION:

NET REQUIREMENTS OF FOREIGN EXCHANGE YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

LINKS

LINKS TO OTHER PROJECTS AND DEVELOPMENT PACKAGES

NO: NAME:
NO: NAME:
NO: NAME:
NO: NAME:
NO: NAME:
NO: NAME:
NO: NAME:

FINANCING

POSSIBILITIES OF FINANCING:

1: FEDERAL GOVERNMENT	✓	2: STATE GOVERNMENT	
3: LOCAL GOVERNMENT		4: STATUTORY BODIES	
5: PUBLIC FUNDS		6: PRIVATE DOMESTIC SAVINGS	
7: PRIVATE FOREIGN LOANS		8: PUBLIC FOREIGN LOANS	

REFERENCES

REFERENCES:

1: Supporting Report 5
2: Department of Education
3:
4:
5:

IDENTIFICATION

PROJECT NUMBER: 192 SECTOR: PUBLIC SERVICES

DEPARTMENT — PLANNING: MD; IMPLEMENTATION: PWD; BUGET: MD

NAME OF PROJECT: General Hospital - Miri

CONTENTS

DESCRIPTION: New General Hospital located at Tanjong Lobang
Provisional estimate of costs, employment and investment period.

COSTS AND REVENUES (1973 PRICES)

TOTAL INVESTMENT COSTS: $12 000 000 INVESTMENT PERIOD: 1977 to 1980

INVESTMENT YEAR BY YEAR:

1: $3 000 000	2: $3 000 000	3: $3 000 000	4: $3 000 000	5:
6:	7:	8:	9:	10:

OPERATING COSTS YEAR BY YEAR: 1980

1: $1 000 000	2: etc	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

REVENUES YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

SHORT DESCRIPTION OF POSSIBLE ECONOMIES OF SCALE CONCERNING INVESTMENT AND OPERATION COSTS

UNIT (OR ITEM) COSTS AND UNIT (OR ITEM) REVENUES:

DERIVED EFFECTS OF IMPLEMENTING THE PROJECT

MAIN EFFECTS ON THE ENVIRONMENT: Improve public health in Fourth Division

EMPLOYMENT:

YEAR	CONSTRUCTION				OPERATION			
	PROFESSIO-NALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL	PROFESSIO-NALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL
1								
2								
3								
4								
5								
6								300
7								
8								
9								
10								

INPUT OTHER THAN LABOUR: CONSTRUCTION (C), OPERATION (O)

YEARLY PRODUCTION:

NET REQUIREMENTS OF FOREIGN EXCHANGE YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

LINKS

LINKS TO OTHER PROJECTS AND DEVELOPMENT PACKAGES

NO: 1	NAME: Miri Town Development
NO:	NAME:
NO:	NAME:
NO:	NAME:
NO:	NAME:
NO:	NAME:
NO:	NAME:

FINANCING

POSSIBILITIES OF FINANCING:

1: FEDERAL GOVERNMENT	✓	2: STATE GOVERNMENT	
3: LOCAL GOVERNMENT		4: STATUTORY BODIES	
5: PUBLIC FUNDS		6: PRIVATE DOMESTIC SAVINGS	
7: PRIVATE FOREIGN LOANS		8: PUBLIC FOREIGN LOANS	

REFERENCES

REFERENCES:

1: Supporting Report 5
2:
3:
4:
5:

IDENTIFICATION

PROJECT NUMBER: 193 SECTOR: PUBLIC SERVICES

DEPARTMENT — PLANNING: PMD; IMPLEMENTATION: RMP; BUGET: RMP

NAME OF PROJECT: District police station

CONTENTS

DESCRIPTION: Building
Quarters
Equipment

COSTS AND REVENUES (1973 PRICES)

TOTAL INVESTMENT COSTS: $682 500 INVESTMENT PERIOD: 2 years

INVESTMENT YEAR BY YEAR:

1: $382 000	2: $300 000	3:	4:	5:
6:	7:	8:	9:	10:

OPERATING COSTS YEAR BY YEAR:

1: $147 000	2: $147 000	3: $147 000	4: $147 000	5: $147 000
6: etc	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

REVENUES YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

SHORT DESCRIPTION OF POSSIBLE ECONOMIES OF SCALE CONCERNING INVESTMENT AND OPERATION COSTS

UNIT (OR ITEM) COSTS AND UNIT (OR ITEM) REVENUES:

	$
Building	204 500
Quarters	360 000
Equipment	85 000
Contingencies	33 000

DERIVED EFFECTS OF IMPLEMENTING THE PROJECT

MAIN EFFECTS ON THE ENVIRONMENT: Serves a population threshold of 20 000

EMPLOYMENT:

YEAR	CONSTRUCTION				OPERATION			
	PROFESSIONALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL	PROFESSIONALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL
1								
2								
3								
4								
5								
6					2	5	25	32
7								
8								
9								
10								

INPUT OTHER THAN LABOUR: CONSTRUCTION (C), OPERATION (O)

YEARLY PRODUCTION:

NET REQUIREMENTS OF FOREIGN EXCHANGE YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

LINKS

LINKS TO OTHER PROJECTS AND DEVELOPMENT PACKAGES

NO: NAME:
NO: NAME:
NO: NAME:
NO: NAME:
NO: NAME:
NO: NAME:
NO: NAME:

FINANCING

POSSIBILITIES OF FINANCING:

1: FEDERAL GOVERNMENT		2: STATE GOVERNMENT	✓
3: LOCAL GOVERNMENT		4: STATUTORY BODIES	
5: PUBLIC FUNDS		6: PRIVATE DOMESTIC SAVINGS	
7: PRIVATE FOREIGN LOANS		8: PUBLIC FOREIGN LOANS	

REFERENCES

REFERENCES:

1: Supporting Report 6, Part I
2:
3:
4:
5:

IDENTIFICATION

PROJECT NUMBER: 194 SECTOR: PUBLIC UTILITIES

DEPARTMENT: PLANNING: / IMPLEMENTATION: / BUGET: } SESCO

NAME OF PROJECT: Electricity - Lambir-Subis South

CONTENTS

DESCRIPTION: Calculated on the basis of a representative agricultural village. The project is only specified for the Action Programme period.

Maximum 180 kW output in Action Programme period
1 generator
Distribution system

COSTS AND REVENUES (1973 PRICES)

TOTAL INVESTMENT COSTS: $475 000 INVESTMENT PERIOD: 1977 to 1980

INVESTMENT YEAR BY YEAR: 1977

1: $6 000	2: $17 000	3: $41 000	4: $62 000	5:
6:	7:	8:	9:	10:

OPERATING COSTS YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

REVENUES YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

SHORT DESCRIPTION OF POSSIBLE ECONOMIES OF SCALE CONCERNING INVESTMENT AND OPERATION COSTS

UNIT (OR ITEM) COSTS AND UNIT (OR ITEM) REVENUES:

DERIVED EFFECTS OF IMPLEMENTING THE PROJECT

MAIN EFFECTS ON THE ENVIRONMENT: Serves the four SLDB villages of Ladang Tiga, Sungai Tangit, Subis I and Subis II (Total population to be 8 900 by 1980)

EMPLOYMENT:

YEAR	CONSTRUCTION				OPERATION			
	PROFESSIO-NALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL	PROFESSIO-NALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL
1								
2								
3								1
4								3
5								10
6								15
7								
8								
9								
10								

INPUT OTHER THAN LABOUR: CONSTRUCTION (C), OPERATION (O)

YEARLY PRODUCTION:

NET REQUIREMENTS OF FOREIGN EXCHANGE YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

LINKS

LINKS TO OTHER PROJECTS AND DEVELOPMENT PACKAGES

NO: 1	NAME: Lambir-Subis South Rural Development
NO:	NAME:
NO:	NAME:
NO:	NAME:
NO:	NAME:
NO:	NAME:
NO:	NAME:

FINANCING

POSSIBILITIES OF FINANCING:

1: FEDERAL GOVERNMENT	☐	2: STATE GOVERNMENT	✓
3: LOCAL GOVERNMENT	☐	4: STATUTORY BODIES	✓
5: PUBLIC FUNDS	☐	6: PRIVATE DOMESTIC SAVINGS	☐
7: PRIVATE FOREIGN LOANS	☐	8: PUBLIC FOREIGN LOANS	☐

REFERENCES

REFERENCES:

1: Supporting Report 6, Part III
2: Electricity calculation table PE-13
3:
4:
5:

IDENTIFICATION

PROJECT NUMBER: 195 SECTOR: PUBLIC UTILITIES

DEPARTMENT: PLANNING: / IMPLEMENTATION: / BUGET: } SESCO

NAME OF PROJECT: Electricity - Long Lama

CONTENTS

DESCRIPTION: Capacity to be 260 kW by 1980
The project is only specified for the Action Programme period.
2 x 30 kW sets in 1977
2 x 100 kW sets in 1979 and 1980

COSTS AND REVENUES (1973 PRICES)

TOTAL INVESTMENT COSTS: $480 000 INVESTMENT PERIOD: 1977 to 1980

INVESTMENT YEAR BY YEAR: 1977

1: $120 000	2:	3: $180 000	4: $180 000	5:
6:	7:	8:	9:	10:

OPERATING COSTS YEAR BY YEAR: 1977

1: $18 000	2: $27 000	3: $43 000	4: $77 000	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

REVENUES YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

SHORT DESCRIPTION OF POSSIBLE ECONOMIES OF SCALE CONCERNING INVESTMENT AND OPERATION COSTS

UNIT (OR ITEM) COSTS AND UNIT (OR ITEM) REVENUES:

	$
30 kW set	21 000
100 kW set	65 000

Rate of operation - $0.18 to $0.17 per kWh
Rate of supply - $0.24 per kWh

DERIVED EFFECTS OF IMPLEMENTING THE PROJECT

MAIN EFFECTS ON THE ENVIRONMENT: Serves the population of Long Lama (2 500 by 1980)

EMPLOYMENT: 1977

YEAR	CONSTRUCTION				OPERATION			
	PROFESSIO-NALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL	PROFESSIO-NALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL
1								
2								
3								2
4								2
5								2
6								2
7								
8								
9								
10								

INPUT OTHER THAN LABOUR: CONSTRUCTION (C), OPERATION (O)

YEARLY PRODUCTION: From 100 Mwh per year in 1975
to 450 Mwh per year in 1980

NET REQUIREMENTS OF FOREIGN EXCHANGE YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

LINKS

LINKS TO OTHER PROJECTS AND DEVELOPMENT PACKAGES

NO: 4	NAME: Long Lama Town Development
NO: 24	NAME: Long Lama Timber Complex Rural Development
NO:	NAME:
NO:	NAME:
NO:	NAME:
NO:	NAME:
NO:	NAME:

FINANCING

POSSIBILITIES OF FINANCING:

1: FEDERAL GOVERNMENT		2: STATE GOVERNMENT	
3: LOCAL GOVERNMENT		4: STATUTORY BODIES	✓
5: PUBLIC FUNDS		6: PRIVATE DOMESTIC SAVINGS	
7: PRIVATE FOREIGN LOANS		8: PUBLIC FOREIGN LOANS	

REFERENCES

REFERENCES:

1: Supporting Report 5
2: Supporting Report 6, Part III
3:
4:
5:

IDENTIFICATION

PROJECT NUMBER: 196 SECTOR: PUBLIC UTILITIES

DEPARTMENT — PLANNING:) IMPLEMENTATION:) BUGET:) TELECOMS

NAME OF PROJECT: Telcommunications - Lambir-Subis South

CONTENTS

DESCRIPTION: Only Ladang Tiga and Sungai Tangit provided calculated on the basis of 10 lines per thousand population. The project is only specified for the Action Programme period.

Buildings
External lines
Quarters
Exchange equipment
Transport and maintenance equipment

COSTS AND REVENUES (1973 PRICES)

TOTAL INVESTMENT COSTS: $454 000 INVESTMENT PERIOD: 1977 to 1980

INVESTMENT YEAR BY YEAR: 1977

1: $144 000	2: $144 000	3: $155 000	4: $11 000	5:
6:	7:	8:	9:	10:

OPERATING COSTS YEAR BY YEAR: 1978

1: $19 000	2: $38 000	3: $57 000	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

REVENUES YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

SHORT DESCRIPTION OF POSSIBLE ECONOMIES OF SCALE CONCERNING INVESTMENT AND OPERATION COSTS

UNIT (OR ITEM) COSTS AND UNIT (OR ITEM) REVENUES:

	$
Building	30 000
VHF	40 000
Exchange equipment	30 000
Quarters	20 000

DERIVED EFFECTS OF IMPLEMENTING THE PROJECT

MAIN EFFECTS ON THE ENVIRONMENT: Serves Ladang Tiga and Sungai Tangit

EMPLOYMENT:

YEAR	CONSTRUCTION				OPERATION			
	PROFESSIO-NALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL	PROFESSIO-NALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL
1								
2								
3								
4								2
5								4
6								6
7								
8								
9								
10								

INPUT OTHER THAN LABOUR: CONSTRUCTION (C), OPERATION (O)

YEARLY PRODUCTION:

NET REQUIREMENTS OF FOREIGN EXCHANGE YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

LINKS

LINKS TO OTHER PROJECTS AND DEVELOPMENT PACKAGES

NO:	NAME:
1	SLDB Village Development Schemes, Lambir-Subis South Rural Development

FINANCING

POSSIBILITIES OF FINANCING:

1:	FEDERAL GOVERNMENT		2:	STATE GOVERNMENT	
3:	LOCAL GOVERNMENT		4:	STATUTORY BODIES	✓
5:	PUBLIC FUNDS		6:	PRIVATE DOMESTIC SAVINGS	
7:	PRIVATE FOREIGN LOANS		8:	PUBLIC FOREIGN LOANS	

REFERENCES

REFERENCES:

1: Supporting Report 5
2: Supporting Report 6, Part III
3:
4:
5:

IDENTIFICATION

PROJECT NUMBER: 197 SECTOR: PUBLIC UTILITIES

DEPARTMENT — PLANNING: / IMPLEMENTATION: / BUGET: } TELCOMS

NAME OF PROJECT: Telcommunications - Igang

CONTENTS

DESCRIPTION: Total number of lines - 175
The project is only specified for the Action Programme period.

Building for station and office
VHF (very high frequency)
Exchange equipment
Transport and maintenance equipment
1 Class III quarters
4 Class IV quarters

COSTS AND REVENUES (1973 PRICES)

TOTAL INVESTMENT COSTS: $570 000 INVESTMENT PERIOD: 1977 to 1980

INVESTMENT YEAR BY YEAR: 1977

1: $30 000	2: $529 000	3: $6 000	4: $5 000	5:
6:	7:	8:	9:	10:

OPERATING COSTS YEAR BY YEAR: 1978

1: $53 000	2: $53 000	3: $90 000	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

REVENUES YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

SHORT DESCRIPTION OF POSSIBLE ECONOMIES OF SCALE CONCERNING INVESTMENT AND OPERATION COSTS

UNIT (OR ITEM) COSTS AND UNIT (OR ITEM) REVENUES:

		$
Building		100 000
Cost of lines		4 000
Exchange equipment		150 000
VHF		150 000
Transport and maintenance equipment		45 000
1 Class III quarter		30 000
4 Class IV quarters		80 000
Cost of supply per line		770
Cost of operation -	100 lines	53 000
	200 lines	90 000

DERIVED EFFECTS OF IMPLEMENTING THE PROJECT

MAIN EFFECTS ON THE ENVIRONMENT: Serves a total population of 3 600 (Igang)

EMPLOYMENT: 1978

YEAR	CONSTRUCTION				OPERATION			
	PROFESSIO-NALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL	PROFESSIO-NALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL
1								
2								
3								
4								6
5								6
6								6
7								
8								
9								
10								

INPUT OTHER THAN LABOUR: CONSTRUCTION (C), OPERATION (O)

YEARLY PRODUCTION:

NET REQUIREMENTS OF FOREIGN EXCHANGE YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

LINKS

LINKS TO OTHER PROJECTS AND DEVELOPMENT PACKAGES

NO: 5	NAME: Igang Estate Rural Development
NO:	NAME:
NO:	NAME:
NO:	NAME:
NO:	NAME:
NO:	NAME:
NO:	NAME:

FINANCING

POSSIBILITIES OF FINANCING:

1: FEDERAL GOVERNMENT		2: STATE GOVERNMENT	✓
3: LOCAL GOVERNMENT		4: STATUTORY BODIES	
5: PUBLIC FUNDS		6: PRIVATE DOMESTIC SAVINGS	
7: PRIVATE FOREIGN LOANS		8: PUBLIC FOREIGN LOANS	

REFERENCES

REFERENCES:

1: Supporting Report 5
2: Supporting Report 6, Part III
3:
4:
5:

IDENTIFICATION

PROJECT NUMBER: 198 SECTOR: PUBLIC UTILITIES

DEPARTMENT — PLANNING:) IMPLEMENTATION:) BUGET:) TELECOMS

NAME OF PROJECT: Telecommunications - Long Lama

CONTENTS

DESCRIPTION: 75 lines
The project is only specified for the Action Programme period.

Building for station and office
Transport and maintenance equipment
Exchange equipment
1 Class III quarters
4 Class IV quarters
VHF

COSTS AND REVENUES (1973 PRICES)

TOTAL INVESTMENT COSTS: $1 110 000 INVESTMENT PERIOD: 1977 to 1980

INVESTMENT YEAR BY YEAR: 1977

1: $369 000	2: $732 000	3: $3 000	4: $6 000	5:
6:	7:	8:	9:	10:

OPERATING COSTS YEAR BY YEAR: 1977

1: $30 000	2: $30 000	3: $30 000	4: $53 000	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

REVENUES YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

SHORT DESCRIPTION OF POSSIBLE ECONOMIES OF SCALE CONCERNING INVESTMENT AND OPERATION COSTS

UNIT (OR ITEM) COSTS AND UNIT (OR ITEM) REVENUES:

	$
Building	550 000
External lines	15 000
Exchange equipment	100 000
Transport and maintenance equipment	35 000
VHF	300 000
1 Class III quarters	30 000
4 Class IV quarters	80 000

DERIVED EFFECTS OF IMPLEMENTING THE PROJECT

MAIN EFFECTS ON THE ENVIRONMENT: Serves a total population of 2 500 (Long Lama) by 1960

EMPLOYMENT:

YEAR	CONSTRUCTION				OPERATION			
	PROFESSIO-NALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL	PROFESSIO-NALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL
1								
2								
3								5
4								5
5								5
6								5
7								
8								
9								
10								

INPUT OTHER THAN LABOUR: CONSTRUCTION (C), OPERATION (O)

YEARLY PRODUCTION:

NET REQUIREMENTS OF FOREIGN EXCHANGE YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

LINKS

LINKS TO OTHER PROJECTS AND DEVELOPMENT PACKAGES

NO: 4	NAME: Long Lama Town Development
NO:	NAME:
NO:	NAME:
NO:	NAME:
NO:	NAME:
NO:	NAME:
NO:	NAME:

FINANCING

POSSIBILITIES OF FINANCING:

1: FEDERAL GOVERNMENT		2: STATE GOVERNMENT	✓
3: LOCAL GOVERNMENT		4: STATUTORY BODIES	
5: PUBLIC FUNDS		6: PRIVATE DOMESTIC SAVINGS	
7: PRIVATE FOREIGN LOANS		8: PUBLIC FOREIGN LOANS	

REFERENCES

REFERENCES:

1: Supporting Report 5
2: Supporting Report 6, Part III
3:
4:
5:

IDENTIFICATION

PROJECT NUMBER: 199 SECTOR: PUBLIC UTILITIES

DEPARTMENT: PLANNING: / IMPLEMENTATION: / BUGET: } PWD

NAME OF PROJECT: Sewerage - Galasah

CONTENTS

DESCRIPTION: Latrines for the population
Septic tanks for the shops
The project is only specified for the Action Programme period.

COSTS AND REVENUES (1973 PRICES)

TOTAL INVESTMENT COSTS: $29 000 INVESTMENT PERIOD: 1977 to 1978

INVESTMENT YEAR BY YEAR: 1977

1: $10 000	2: $19 000	3:	4:	5:
6:	7:	8:	9:	10:

OPERATING COSTS YEAR BY YEAR: 1978

1: $800	2: $800	3: $800	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

REVENUES YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

SHORT DESCRIPTION OF POSSIBLE ECONOMIES OF SCALE CONCERNING INVESTMENT AND OPERATION COSTS

UNIT (OR ITEM) COSTS AND UNIT (OR ITEM) REVENUES:

	$
Latrines per head	18
Septic tanks per head	210

DERIVED EFFECTS OF IMPLEMENTING THE PROJECT

MAIN EFFECTS ON THE ENVIRONMENT: Serves the population of Galasah of 950 by 1980

EMPLOYMENT:

YEAR	CONSTRUCTION				OPERATION			
	PROFESSIONALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL	PROFESSIONALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL
1								
2								
3								
4								
5								
6								
7								
8								
9								
10								

INPUT OTHER THAN LABOUR: CONSTRUCTION (C), OPERATION (O)

YEARLY PRODUCTION:

NET REQUIREMENTS OF FOREIGN EXCHANGE YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

LINKS

LINKS TO OTHER PROJECTS AND DEVELOPMENT PACKAGES

NO: 6	NAME: Galasah Rural Development
NO:	NAME:
NO:	NAME:
NO:	NAME:
NO:	NAME:
NO:	NAME:
NO:	NAME:

FINANCING

POSSIBILITIES OF FINANCING:

1: FEDERAL GOVERNMENT		2: STATE GOVERNMENT	✓
3: LOCAL GOVERNMENT		4: STATUTORY BODIES	
5: PUBLIC FUNDS		6: PRIVATE DOMESTIC SAVINGS	
7: PRIVATE FOREIGN LOANS		8: PUBLIC FOREIGN LOANS	

REFERENCES

REFERENCES:

1: Supporting Report 5
2: Supporting Report 6, Part III
3:
4:
5:

IDENTIFICATION

PROJECT NUMBER: 200 A

SECTOR: PUBLIC UTILITIES

DEPARTMENT: PLANNING: / IMPLEMENTATION: / BUGET: } PWD

NAME OF PROJECT: Sewerage - Igang

CONTENTS

DESCRIPTION: Septic tanks - medium and high density housing
Community system in town centre
The project is only specified for the Action Programme period.

COSTS AND REVENUES (1973 PRICES)

TOTAL INVESTMENT COSTS: $1 397 000

INVESTMENT PERIOD: 1977 to 1980

INVESTMENT YEAR BY YEAR: 1977

1: $446 000	2: $811 000	3: $130 000	4: $10 000	5:
6:	7:	8:	9:	10:

OPERATING COSTS YEAR BY YEAR: 1978

1:	2: $3 000	3: $13 000	4: $17 000	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

REVENUES YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

SHORT DESCRIPTION OF POSSIBLE ECONOMIES OF SCALE CONCERNING INVESTMENT AND OPERATION COSTS

UNIT (OR ITEM) COSTS AND UNIT (OR ITEM) REVENUES:

	$
Septic tanks per head	210
Community system per head	250

DERIVED EFFECTS OF IMPLEMENTING THE PROJECT

MAIN EFFECTS ON THE ENVIRONMENT: Serves the sub-regional centre in the Niah-Suai

EMPLOYMENT:

YEAR	CONSTRUCTION				OPERATION			
	PROFESSIO-NALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL	PROFESSIO-NALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL
1								
2								
3								
4								
5								
6								
7								
8								
9								
10								

INPUT OTHER THAN LABOUR: CONSTRUCTION (C), OPERATION (O)

YEARLY PRODUCTION:

NET REQUIREMENTS OF FOREIGN EXCHANGE YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

LINKS

LINKS TO OTHER PROJECTS AND DEVELOPMENT PACKAGES

NO: 5	NAME: Igang Estate Rural Development
NO:	NAME:
NO:	NAME:
NO:	NAME:
NO:	NAME:
NO:	NAME:
NO:	NAME:

FINANCING

POSSIBILITIES OF FINANCING:

1: FEDERAL GOVERNMENT		2: STATE GOVERNMENT	✓
3: LOCAL GOVERNMENT		4: STATUTORY BODIES	
5: PUBLIC FUNDS		6: PRIVATE DOMESTIC SAVINGS	
7: PRIVATE FOREIGN LOANS		8: PUBLIC FOREIGN LOANS	

REFERENCES

REFERENCES:

1: Supporting Report 5
2: Supporting Report 6, Part III
3:
4:
5:

IDENTIFICATION

PROJECT NUMBER: 200 B — SECTOR: PUBLIC UTILITIES

DEPARTMENT — PLANNING: / IMPLEMENTATION: / BUGET: } PWD

NAME OF PROJECT: Sewerage - Timong

CONTENTS

DESCRIPTION: Latrines for the general population and septic tanks for the shops and school. The project is only specified for the Action Programme period.

COSTS AND REVENUES (1973 PRICES)

TOTAL INVESTMENT COSTS: $28 000 — INVESTMENT PERIOD: 1977 to 1978

INVESTMENT YEAR BY YEAR: 1977

1: $9 000	2: $19 000	3:	4:	5:
6:	7:	8:	9:	10:

OPERATING COSTS YEAR BY YEAR: 1978+

1: $800	2: $800	3: $800	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

REVENUES YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

SHORT DESCRIPTION OF POSSIBLE ECONOMIES OF SCALE CONCERNING INVESTMENT AND OPERATION COSTS

UNIT (OR ITEM) COSTS AND UNIT (OR ITEM) REVENUES:

	$
Latrines per head	18
Septic tanks per head	210

DERIVED EFFECTS OF IMPLEMENTING THE PROJECT

MAIN EFFECTS ON THE ENVIRONMENT: Serves the village population of Timong (900 by 1980)

EMPLOYMENT:

YEAR	CONSTRUCTION				OPERATION			
	PROFESSIO-NALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL	PROFESSIO-NALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL
1								
2								
3								
4								
5								
6								
7								
8								
9								
10								

INPUT OTHER THAN LABOUR: CONSTRUCTION (C), OPERATION (O)

YEARLY PRODUCTION:

NET REQUIREMENTS OF FOREIGN EXCHANGE YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

LINKS

LINKS TO OTHER PROJECTS AND DEVELOPMENT PACKAGES

NO: 24	NAME: Miri-Bintulu Road Rural Development
NO:	NAME:
NO:	NAME:
NO:	NAME:
NO:	NAME:
NO:	NAME:
NO:	NAME:

FINANCING

POSSIBILITIES OF FINANCING:

1: FEDERAL GOVERNMENT		2: STATE GOVERNMENT	✓
3: LOCAL GOVERNMENT		4: STATUTORY BODIES	
5: PUBLIC FUNDS		6: PRIVATE DOMESTIC SAVINGS	
7: PRIVATE FOREIGN LOANS		8: PUBLIC FOREIGN LOANS	

REFERENCES

REFERENCES:

1: Supporting Report 5
2: Supporting Report 6, Part III
3:
4:
5:

IDENTIFICATION

PROJECT NUMBER: 201 SECTOR: PUBLIC UTILITIES

DEPARTMENT: PLANNING: / IMPLEMENTATION: / BUGET: } PWD

NAME OF PROJECT: Water supply - Niah-Suai villages

CONTENTS

DESCRIPTION: Intake will be from the Sungai Niah works with trunk pipes to the area. The project is only specified for the Action Programme period.

COSTS AND REVENUES (1973 PRICES)

TOTAL INVESTMENT COSTS: $1 828 000 INVESTMENT PERIOD: 1977 to 1980

INVESTMENT YEAR BY YEAR: 1977

1: $172 000	2: $767 000	3: $420 000	4: $469 000	5:
6:	7:	8:	9:	10:

OPERATING COSTS YEAR BY YEAR: 1978

1: $17 000	2: $63 000	3: $109 000	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

REVENUES YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

SHORT DESCRIPTION OF POSSIBLE ECONOMIES OF SCALE CONCERNING INVESTMENT AND OPERATION COSTS

UNIT (OR ITEM) COSTS AND UNIT (OR ITEM) REVENUES:

	$
23 000 feet of 6 inch pipes at $7.5 per foot	172 000
82 000 feet of 4 inch pipes at $4 per foot	492 000
Service storage (225 000 gallons)	135 000
Distribution system at $140 per head	1 029 000

DERIVED EFFECTS OF IMPLEMENTING THE PROJECT

MAIN EFFECTS ON THE ENVIRONMENT: Serves 5 villages in the Niah-Suai area

EMPLOYMENT:

YEAR	CONSTRUCTION				OPERATION			
	PROFESSIO-NALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL	PROFESSIO-NALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL
1								
2								
3								
4								
5								2
6								4
7								4
8								
9								
10								

INPUT OTHER THAN LABOUR: CONSTRUCTION (C), OPERATION (O)

YEARLY PRODUCTION:

NET REQUIREMENTS OF FOREIGN EXCHANGE YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

LINKS

LINKS TO OTHER PROJECTS AND DEVELOPMENT PACKAGES

NO: 1	NAME: Water supply - Lambir-Subis South Rural Development
NO: 5	NAME: Igang Estate Rural Development
NO: 6	NAME: Galasah Rural Development
NO: 8	NAME: Lamaus Rural Development
NO: 9	NAME: Ensabang Rural Development
NO: 7	NAME: Sebanah Rural Development
NO: 10	NAME: Telabit Rural Development

FINANCING

POSSIBILITIES OF FINANCING:

1: FEDERAL GOVERNMENT		2: STATE GOVERNMENT	✓
3: LOCAL GOVERNMENT		4: STATUTORY BODIES	
5: PUBLIC FUNDS		6: PRIVATE DOMESTIC SAVINGS	
7: PRIVATE FOREIGN LOANS		8: PUBLIC FOREIGN LOANS	

REFERENCES

REFERENCES:

1: Supporting Report 5
2: Supporting Report 6, Part III
3:
4:
5:

IDENTIFICATION

PROJECT NUMBER: 202 SECTOR: PUBLIC UTILITIES

DEPARTMENT — PLANNING: / IMPLEMENTATION: / BUGET: } BG/SESCO

NAME OF PROJECT: Cleansing, refuse disposal, street lighting - Igang

CONTENTS

DESCRIPTION: Monsoon drains
Roadside drains
Cleansing department trailer
Street lighting

The project is only specified for the Action Programme period.

COSTS AND REVENUES (1973 PRICES)

TOTAL INVESTMENT COSTS: $411 000 INVESTMENT PERIOD: 1977 to 1980

INVESTMENT YEAR BY YEAR: 1977

1: $80 000	2: $134 000	3: $101 000	4: $96 000	5:
6:	7:	8:	9:	10:

OPERATING COSTS YEAR BY YEAR: 1978

1: $17 000	2: $24 000	3: $42 000	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

REVENUES YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

SHORT DESCRIPTION OF POSSIBLE ECONOMIES OF SCALE CONCERNING INVESTMENT AND OPERATION COSTS

UNIT (OR ITEM) COSTS AND UNIT (OR ITEM) REVENUES:

	$
Monsoon drains per head	20
Road side drains per head	60
Cleansing department trailer	5 000
Street lighting per head	18

DERIVED EFFECTS OF IMPLEMENTING THE PROJECT

MAIN EFFECTS ON THE ENVIRONMENT: Serves a population of about 3 600

EMPLOYMENT:

YEAR	CONSTRUCTION				OPERATION			
	PROFESSIO-NALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL	PROFESSIO-NALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL
1								
2								
3								
4								
5								
6								
7								
8								
9								
10								

INPUT OTHER THAN LABOUR: CONSTRUCTION (C), OPERATION (O)

YEARLY PRODUCTION:

NET REQUIREMENTS OF FOREIGN EXCHANGE YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

LINKS

LINKS TO OTHER PROJECTS AND DEVELOPMENT PACKAGES

NO: 5	NAME: Igang Estate Rural Development
NO:	NAME:
NO:	NAME:
NO:	NAME:
NO:	NAME:
NO:	NAME:
NO:	NAME:

FINANCING

POSSIBILITIES OF FINANCING:

1: FEDERAL GOVERNMENT		2: STATE GOVERNMENT	✓
3: LOCAL GOVERNMENT		4: STATUTORY BODIES	
5: PUBLIC FUNDS		6: PRIVATE DOMESTIC SAVINGS	
7: PRIVATE FOREIGN LOANS		8: PUBLIC FOREIGN LOANS	

REFERENCES

REFERENCES:

1: Supporting Report 5
2: Supporting Report 6, Part III
3:
4:
5:

IDENTIFICATION

PROJECT NUMBER: 203 SECTOR: INDUSTRIES

DEPARTMENT: PLANNING:) IMPLEMENTATION:) BUGET:) SEDC

NAME OF PROJECT: Industrial estates No.2 - Miri

CONTENTS

DESCRIPTION: The industrial estates will consist of 50 units, some tailor made, others built to specifications. In the estates there will be a variety of industries.

COSTS AND REVENUES (1973 PRICES)

TOTAL INVESTMENT COSTS: $4 000 INVESTMENT PERIOD: 1977 to 1978

INVESTMENT YEAR BY YEAR:

1: $2 000	2: $2 000	3:	4:	5:
6:	7:	8:	9:	10:

OPERATING COSTS YEAR BY YEAR:

1:	2: $300	3: $725	4: $725	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

REVENUES YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

SHORT DESCRIPTION OF POSSIBLE ECONOMIES OF SCALE CONCERNING INVESTMENT AND OPERATION COSTS

With the number of industries existing side by side there will inevitably be economies of scale through mutual sharing.

UNIT (OR ITEM) COSTS AND UNIT (OR ITEM) REVENUES:

DERIVED EFFECTS OF IMPLEMENTING THE PROJECT

MAIN EFFECTS ON THE ENVIRONMENT:

EMPLOYMENT:

YEAR	CONSTRUCTION				OPERATION			
	PROFESSIO-NALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL	PROFESSIO-NALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL
1								
2								100
3								300
4								300
5								
6								
7								
8								
9								
10								

INPUT OTHER THAN LABOUR: CONSTRUCTION (C), OPERATION (O)

YEARLY PRODUCTION:

NET REQUIREMENTS OF FOREIGN EXCHANGE YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

LINKS

LINKS TO OTHER PROJECTS AND DEVELOPMENT PACKAGES

NO: 1	NAME: Miri Town Development
NO:	NAME:
NO:	NAME:
NO:	NAME:
NO:	NAME:
NO:	NAME:
NO:	NAME:

FINANCING

POSSIBILITIES OF FINANCING:

1: FEDERAL GOVERNMENT		2: STATE GOVERNMENT	
3: LOCAL GOVERNMENT		4: STATUTORY BODIES	✓
5: PUBLIC FUNDS		6: PRIVATE DOMESTIC SAVINGS	✓
7: PRIVATE FOREIGN LOANS		8: PUBLIC FOREIGN LOANS	

REFERENCES

REFERENCES:

1:
2:
3:
4:
5:

IDENTIFICATION

PROJECT NUMBER: 204 SECTOR: INDUSTRIES

DEPARTMENT — PLANNING: / IMPLEMENTATION: / BUGET: } SEDC

NAME OF PROJECT: Industrial estates – Bintulu

CONTENTS

DESCRIPTION:

COSTS AND REVENUES (1973 PRICES)

TOTAL INVESTMENT COSTS: INVESTMENT PERIOD: Mid 1976 to 1977

INVESTMENT YEAR BY YEAR:

1: $1 000	2: $3 000	3:	4:	5:
6:	7:	8:	9:	10:

OPERATING COSTS YEAR BY YEAR:

1:	2: $300	3: $725	4: $725	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

REVENUES YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

SHORT DESCRIPTION OF POSSIBLE ECONOMIES OF SCALE CONCERNING INVESTMENT AND OPERATION COSTS

UNIT (OR ITEM) COSTS AND UNIT (OR ITEM) REVENUES:

DERIVED EFFECTS OF IMPLEMENTING THE PROJECT

MAIN EFFECTS ON THE ENVIRONMENT:

EMPLOYMENT:

YEAR	CONSTRUCTION				OPERATION			
	PROFESSIONALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL	PROFESSIONALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL
1								
2								
3								100
4								300
5								300
6								
7								
8								
9								
10								

INPUT OTHER THAN LABOUR: CONSTRUCTION (C), OPERATION (O)

YEARLY PRODUCTION:

NET REQUIREMENTS OF FOREIGN EXCHANGE YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

LINKS

LINKS TO OTHER PROJECTS AND DEVELOPMENT PACKAGES

NO: 2	NAME: Bintulu Town Development
NO:	NAME:
NO:	NAME:
NO:	NAME:
NO:	NAME:
NO:	NAME:
NO:	NAME:

FINANCING

POSSIBILITIES OF FINANCING:

1: FEDERAL GOVERNMENT		2: STATE GOVERNMENT	
3: LOCAL GOVERNMENT		4: STATUTORY BODIES	✓
5: PUBLIC FUNDS		6: PRIVATE DOMESTIC SAVINGS	✓
7: PRIVATE FOREIGN LOANS		8: PUBLIC FOREIGN LOANS	

REFERENCES

REFERENCES:

1:
2:
3:
4:
5:

IDENTIFICATION

PROJECT NUMBER: 205 SECTOR: INDUSTRIES

DEPARTMENT — PLANNING: / IMPLEMENTATION: / BUGET: — STIDC/PRIVATE

NAME OF PROJECT: Particle board manufacturing

CONTENTS

DESCRIPTION: A particle board plant

COSTS AND REVENUES (1973 PRICES)

TOTAL INVESTMENT COSTS: $6 000 000 INVESTMENT PERIOD:

INVESTMENT YEAR BY YEAR: $'000

1: $5 000	2: $2 000	3:	4:	5:
6:	7:	8:	9:	10:

OPERATING COSTS YEAR BY YEAR: $'000

1:	2: $2 000	3: $3 700	4: $3 700	5: $3 700
6: $3 700	7: $3 700	8: $3 700	9: $3 700	10: $3 700
11: $3 700	12: $3 700	13: $3 700	14: $3 700	15: $3 700
16: $3 700	17: $3 700	18: $3 700	19: $3 700	20: $3 700

REVENUES YEAR BY YEAR: $'000

1:	2: $1 800	3: $4 000	4: $5 800	5: $5 800
6: $5 800	7: $5 800	8: $5 800	9: $5 800	10: $5 800
11: $5 800	12: $5 800	13: $5 800	14: $5 800	15: $5 800
16: $5 800	17: $5 800	18: $5 800	19: $5 800	20: $5 800

SHORT DESCRIPTION OF POSSIBLE ECONOMIES OF SCALE CONCERNING INVESTMENT AND OPERATION COSTS

The plant is calculated on the basis of 80 to 100 per cent utility.

UNIT (OR ITEM) COSTS AND UNIT (OR ITEM) REVENUES:

DERIVED EFFECTS OF IMPLEMENTING THE PROJECT

MAIN EFFECTS ON THE ENVIRONMENT:

EMPLOYMENT:

YEAR	CONSTRUCTION				OPERATION			
	PROFESSIO-NALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL	PROFESSIO-NALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL
1				50				
2								50
3								
4								
5								
6								
7								
8								
9								
10								

INPUT OTHER THAN LABOUR: CONSTRUCTION (C), OPERATION (O)

Machinery (c)

YEARLY PRODUCTION: 10 000 to 11 000 tons 0.75 chip boards in standard sizes

NET REQUIREMENTS OF FOREIGN EXCHANGE YEAR BY YEAR: $'000

1: $3 500	2: $500	3: $500	4: $500	5: $500
6: $500	7: $500	8: $500	9: $500	10: $500
11: $500	12: $500	13: $500	14: $500	15: $500
16: $500	17: $500	18: $500	19: $500	20: $500

LINKS

LINKS TO OTHER PROJECTS AND DEVELOPMENT PACKAGES

NO: 167	NAME: Furniture factory Project
NO: 114	NAME: Moulding plant, Drying kiln plant Projects
NO: 112	NAME: Pre-fab housing plant Project
NO:	NAME:
NO:	NAME:
NO:	NAME:
NO:	NAME:

FINANCING

POSSIBILITIES OF FINANCING:

1: FEDERAL GOVERNMENT		2: STATE GOVERNMENT	
3: LOCAL GOVERNMENT		4: STATUTORY BODIES	✓
5: PUBLIC FUNDS		6: PRIVATE DOMESTIC SAVINGS	✓
7: PRIVATE FOREIGN LOANS		8: PUBLIC FOREIGN LOANS	✓

REFERENCES

REFERENCES:

1:
2:
3:
4:
5:

IDENTIFICATION

PROJECT NUMBER: 206 SECTOR: AGRICULTURE

DEPARTMENT — PLANNING: SLDB; IMPLEMENTATION: SLDB; BUDGET: SLDB

NAME OF PROJECT: Clearing, planting and operating - Ensabang (Public)

CONTENTS

DESCRIPTION: Clearing, planting and operating of 5 060 acres - small holder scheme

Oil palm - 3 490 acres
Rubber - 1 270 acres
Rice - 300 acres

COSTS AND REVENUES (1973 PRICES)

TOTAL INVESTMENT COSTS: $5 253 000 (1978 to 1980 - $3 531 000) INVESTMENT PERIOD: 1978 to 1985

INVESTMENT YEAR BY YEAR: $'000

1: $495	2: $2 194	3: $842	4: $1 254	5: $140
6: $118	7: $175	8: $35	9:	10:

OPERATING COSTS YEAR BY YEAR: $'000

1:	2:	3:	4: $34	5: $975
6: $1 008	7: $908	8: $1 154	9: $1 214	10: $1 195
11: $1 211	12: $1 216	13: $1 244	14: $1 247	15: $1 255
16: $1 255	17: $1 255	18:	19:	20:

REVENUES YEAR BY YEAR: $'000

1:	2:	3:	4: $222	5: $1 017
6: $1 633	7: $2 006	8: $2 413	9: $2 650	10: $2 772
11: $2 817	12: $2 855	13: $2 880	14: $2 906	15: $2 909
16: $2 886	17: $2 841	18:	19:	20:

SHORT DESCRIPTION OF POSSIBLE ECONOMIES OF SCALE CONCERNING INVESTMENT AND OPERATION COSTS

UNIT (OR ITEM) COSTS AND UNIT (OR ITEM) REVENUES:

Refer Bukit Peninjau Road Based Improvement Scheme

DERIVED EFFECTS OF IMPLEMENTING THE PROJECT

MAIN EFFECTS ON THE ENVIRONMENT: 318 farmers benefited

EMPLOYMENT:

YEAR	CONSTRUCTION				OPERATION			
	PROFESSIONALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL	PROFESSIONALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL
			Field workers				Field workers	
1978			356					
1979			505					
1980			290				45	
1981			329				45	
1982			60				365	
1983			43				357	
1984			39				304	
1985							343	

INPUT OTHER THAN LABOUR: CONSTRUCTION (C), OPERATION (O)

Refer Bukit Peninjau Road Based Improvement Scheme

YEARLY PRODUCTION: Oil palm peak production in year 1987 (31 400 tons of ffb)
Rubber peak production in year 1992 (1 020 tons of drc)
Rice peak production in year 1983 (390 tons of padi)

NET REQUIREMENTS OF FOREIGN EXCHANGE YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

LINKS

LINKS TO OTHER PROJECTS AND DEVELOPMENT PACKAGES

NO: 9	NAME: Ensabang Rural Development
NO: 18	NAME: Bukit Peninjau RBD Rural Development
NO:	NAME:
NO:	NAME:
NO:	NAME:
NO:	NAME:
NO:	NAME:

FINANCING

POSSIBILITIES OF FINANCING:

1: FEDERAL GOVERNMENT		2: STATE GOVERNMENT	
3: LOCAL GOVERNMENT		4: STATUTORY BODIES	✓
5: PUBLIC FUNDS		6: PRIVATE DOMESTIC SAVINGS	
7: PRIVATE FOREIGN LOANS		8: PUBLIC FOREIGN LOANS	

REFERENCES

REFERENCES:

1: Supporting Report 2, Part II
2:
3:
4:
5:

IDENTIFICATION

PROJECT NUMBER: 207 SECTOR: AGRICULTURE

DEPARTMENT
PLANNING: SLDB
IMPLEMENTATION: SLDB
BUGET: SLDB

NAME OF PROJECT: Management SLDB - Ensabang Area

CONTENTS

DESCRIPTION: SLDB management of 5 060 acres

Equipment:
- Tractor and rotavator
- 3 Power tillers
- 3 Threshers
- 3 Knapsacks
- 6 Manual knapsacks
- Tools
- Lorry

COSTS AND REVENUES (1973 PRICES)

TOTAL INVESTMENT COSTS: $325 000 INVESTMENT PERIOD: 1976 to 1980

INVESTMENT YEAR BY YEAR: $'000

1: $83	2: $149	3: $93	4:	5:
6:	7:	8:	9:	10:

OPERATING COSTS YEAR BY YEAR: $'000

1: $64	2: $196	3: $229	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

REVENUES YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

SHORT DESCRIPTION OF POSSIBLE ECONOMIES OF SCALE CONCERNING INVESTMENT AND OPERATION COSTS

UNIT (OR ITEM) COSTS AND UNIT (OR ITEM) REVENUES:

Refer Bukit Peninjau Road Based Improvement Scheme

DERIVED EFFECTS OF IMPLEMENTING THE PROJECT

MAIN EFFECTS ON THE ENVIRONMENT: 318 farmers benefited

EMPLOYMENT:

YEAR	CONSTRUCTION				OPERATION			
	PROFESSIO-NALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL	PROFESSIO-NALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL
1978					11			11
1979					17			17
1980					18			18

INPUT OTHER THAN LABOUR: CONSTRUCTION (C), OPERATION (O)

YEARLY PRODUCTION:

NET REQUIREMENTS OF FOREIGN EXCHANGE YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

LINKS

LINKS TO OTHER PROJECTS AND DEVELOPMENT PACKAGES

NO: 9	NAME: Ensabang Rural Development
NO:	NAME:
NO:	NAME:
NO:	NAME:
NO:	NAME:
NO:	NAME:
NO:	NAME:

FINANCING

POSSIBILITIES OF FINANCING:

1: FEDERAL GOVERNMENT	☐	2: STATE GOVERNMENT	☐
3: LOCAL GOVERNMENT	☐	4: STATUTORY BODIES	✓
5: PUBLIC FUNDS	☐	6: PRIVATE DOMESTIC SAVINGS	☐
7: PRIVATE FOREIGN LOANS	☐	8: PUBLIC FOREIGN LOANS	☐

REFERENCES

REFERENCES:

1: Supporting Report 2, Part III
2:
3:
4:
5:

IDENTIFICATION

PROJECT NUMBER: 208 SECTOR: AGRICULTURE

DEPARTMENT — PLANNING: AGRICULTURE; IMPLEMENTATION: ADU; BUGET: AGRICULTURE

NAME OF PROJECT: Management ADU - Galasah (RSD and Public)

CONTENTS

DESCRIPTION: ADU management (RSD and Public)

Quarters by 1980s
1 Class B
6 Class C
5 Class D

COSTS AND REVENUES (1973 PRICES)

TOTAL INVESTMENT COSTS: $286 000 INVESTMENT PERIOD: 1976 to 1979

INVESTMENT YEAR BY YEAR: $'000

1: $253	2: $33	3:	4:	5:
6:	7:	8:	9:	10:

OPERATING COSTS YEAR BY YEAR: $'000

1: $56	2: $67	3: $68	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

REVENUES YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

SHORT DESCRIPTION OF POSSIBLE ECONOMIES OF SCALE CONCERNING INVESTMENT AND OPERATION COSTS

UNIT (OR ITEM) COSTS AND UNIT (OR ITEM) REVENUES:

DERIVED EFFECTS OF IMPLEMENTING THE PROJECT

MAIN EFFECTS ON THE ENVIRONMENT: 162 farms and 50 farmers (RSD) benefited.

EMPLOYMENT:

YEAR	CONSTRUCTION				OPERATION			
	PROFESSIO-NALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL	PROFESSIO-NALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL
1978					10			10
1979					12			12
1980					12			12

INPUT OTHER THAN LABOUR: CONSTRUCTION (C), OPERATION (O)

YEARLY PRODUCTION:

NET REQUIREMENTS OF FOREIGN EXCHANGE YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

LINKS

LINKS TO OTHER PROJECTS AND DEVELOPMENT PACKAGES

NO: 6 NAME: Galasah Rural Development
NO: NAME:
NO: NAME:
NO: NAME:
NO: NAME:
NO: NAME:
NO: NAME:

FINANCING

POSSIBILITIES OF FINANCING:

1: FEDERAL GOVERNMENT		2: STATE GOVERNMENT	
3: LOCAL GOVERNMENT		4: STATUTORY BODIES	
5: PUBLIC FUNDS	✓	6: PRIVATE DOMESTIC SAVINGS	
7: PRIVATE FOREIGN LOANS		8: PUBLIC FOREIGN LOANS	

REFERENCES

REFERENCES:

1: Supporting Report 2, Part III
2:
3:
4:
5:

IDENTIFICATION

PROJECT NUMBER: 209 SECTOR: AGRICULTURE

DEPARTMENT — PLANNING: AGRICULTURE; IMPLEMENTATION: ADU; BUGET: AGRICULTURE

NAME OF PROJECT: Management ADU - Sebanah (Public and RBD)

CONTENTS

DESCRIPTION: ADU management (Public and RBD)

Quarters by 1980:
2 Class B
11 Class C
9 Class D

COSTS AND REVENUES (1973 PRICES)

TOTAL INVESTMENT COSTS: $457 000 INVESTMENT PERIOD: 1978 to 1979

INVESTMENT YEAR BY YEAR: $'000

1: $397	2: $60	3:	4:	5:
6:	7:	8:	9:	10:

OPERATING COSTS YEAR BY YEAR: $'000

1: $92	2: $112	3: $113	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

REVENUES YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

SHORT DESCRIPTION OF POSSIBLE ECONOMIES OF SCALE CONCERNING INVESTMENT AND OPERATION COSTS

UNIT (OR ITEM) COSTS AND UNIT (OR ITEM) REVENUES:

DERIVED EFFECTS OF IMPLEMENTING THE PROJECT

MAIN EFFECTS ON THE ENVIRONMENT: 265 farms and 64 farmers benefited

EMPLOYMENT:

YEAR	CONSTRUCTION				OPERATION			
	PROFESSIO-NALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL	PROFESSIO-NALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL
1978					18			18
1979					22			22
1980					22			22

INPUT OTHER THAN LABOUR: CONSTRUCTION (C), OPERATION (O)

YEARLY PRODUCTION:

NET REQUIREMENTS OF FOREIGN EXCHANGE YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

LINKS

LINKS TO OTHER PROJECTS AND DEVELOPMENT PACKAGES

NO: 7	NAME: Sebanah Rural Development
NO:	NAME:
NO:	NAME:
NO:	NAME:
NO:	NAME:
NO:	NAME:
NO:	NAME:

FINANCING

POSSIBILITIES OF FINANCING:

1: FEDERAL GOVERNMENT		2: STATE GOVERNMENT	
3: LOCAL GOVERNMENT		4: STATUTORY BODIES	
5: PUBLIC FUNDS	✓	6: PRIVATE DOMESTIC SAVINGS	
7: PRIVATE FOREIGN LOANS		8: PUBLIC FOREIGN LOANS	

REFERENCES

REFERENCES:

1: Supporting Report 2, Part III
2:
3:
4:
5:

IDENTIFICATION

PROJECT NUMBER: 210 SECTOR: AGRICULTURE

DEPARTMENT — PLANNING: AGRICULTURE; IMPLEMENTATION: ADU; BUGET: AGRICULTURE

NAME OF PROJECT: Management ADU - Tubau Road Based Improvement Scheme

CONTENTS

DESCRIPTION: ADU management of 3 270 acres of cropped area

Equipment:
- 2 Power tillers
- 2 Threshers
- 2 Knapsacks
- 4 Manual knapsacks
- Tools
- Tractor and rotavator

Quarters by 1980:
- 1 Class B
- 6 Class C
- 4 Class D

COSTS AND REVENUES (1973 PRICES)

TOTAL INVESTMENT COSTS: $277 000 INVESTMENT PERIOD: 1976 to 1980

INVESTMENT YEAR BY YEAR: $'000

1: $206	2:	3: $71	4:	5:
6:	7:	8:	9:	10:

OPERATING COSTS YEAR BY YEAR: $'000

1: $48	2: $52	3: $63	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

REVENUES YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

SHORT DESCRIPTION OF POSSIBLE ECONOMIES OF SCALE CONCERNING INVESTMENT AND OPERATION COSTS

UNIT (OR ITEM) COSTS AND UNIT (OR ITEM) REVENUES:

DERIVED EFFECTS OF IMPLEMENTING THE PROJECT

MAIN EFFECTS ON THE ENVIRONMENT: 200 farmers benefited by 1982

EMPLOYMENT:

YEAR	CONSTRUCTION				OPERATION			
	PROFESSIONALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL	PROFESSIONALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL
1978					9			9
1979					9			9
1980					11			11

INPUT OTHER THAN LABOUR: CONSTRUCTION (C), OPERATION (O)

YEARLY PRODUCTION:

NET REQUIREMENTS OF FOREIGN EXCHANGE YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

LINKS

LINKS TO OTHER PROJECTS AND DEVELOPMENT PACKAGES

NO: 17	NAME: Tubau RBD Rural Development
NO:	NAME:
NO:	NAME:
NO:	NAME:
NO:	NAME:
NO:	NAME:
NO:	NAME:

FINANCING

POSSIBILITIES OF FINANCING:

1: FEDERAL GOVERNMENT		2: STATE GOVERNMENT	
3: LOCAL GOVERNMENT		4: STATUTORY BODIES	
5: PUBLIC FUNDS	✓	6: PRIVATE DOMESTIC SAVINGS	
7: PRIVATE FOREIGN LOANS		8: PUBLIC FOREIGN LOANS	

REFERENCES

REFERENCES:

1: Supporting Report 2, Part III
2:
3:
4:
5:

IDENTIFICATION

PROJECT NUMBER: 211 SECTOR: AGRICULTURE

DEPARTMENT

PLANNING: ADU
IMPLEMENTATION: PRIVATE
BUGET: PRIVATE

NAME OF PROJECT: Clearing, planting and operating - Tubau Road Based Improvement Scheme

CONTENTS

DESCRIPTION: Clearing, planting and operating of 3 270 acres
(Planting commences in 1979 and finishes in 1982)

Rubber - 2 270 acres
Cocoa - 270 acres
Rice - 270 acres
Other crops - 460 acres

200 farmers

COSTS AND REVENUES (1973 PRICES)

TOTAL INVESTMENT COSTS: $2 837 000 INVESTMENT PERIOD: 1978 to 1988
(1978 to 1980 - $ 982 000)

INVESTMENT YEAR BY YEAR: $'000

1: $96	2: $470	3: $416	4: $515	5: $526
6: $291	7: $215	8: $146	9: $92	10: $54
11: $16				

OPERATING COSTS YEAR BY YEAR: $'000

1:	2:	3:	4: $39	5: $55
6: $118	7: $164	8: $214	9: $406	10: $553
11: $691	12: $832	13: $875	14: $875	15: $875
16: $875	17: $875	18: $875	19: $875	20: $875

REVENUES YEAR BY YEAR: $'000

1:	2:	3:	4: $53	5: $79
6: $167	7: $250	8: $316	9: $565	10: $779
11: $954	12: $1 146	13: $1 217	14: $1 217	15: $1 217
16: $1 217	17: $1 217	18: $1 217	19: $1 217	20: $1 217

SHORT DESCRIPTION OF POSSIBLE ECONOMIES OF SCALE CONCERNING INVESTMENT AND OPERATION COSTS

UNIT (OR ITEM) COSTS AND UNIT (OR ITEM) REVENUES:

Refer Bukit Peninjau Road Based Improvement Scheme

DERIVED EFFECTS OF IMPLEMENTING THE PROJECT

MAIN EFFECTS ON THE ENVIRONMENT: 200 farmers will be benefited by 1982

EMPLOYMENT:

YEAR	CONSTRUCTION				OPERATION			
	PROFESSIO-NALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL	PROFESSIO-NALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL
			Field workers					
1978			150					
1979			210					
1980			300					
1981			400					

INPUT OTHER THAN LABOUR: CONSTRUCTION (C), OPERATION (O)

Refer Bukit Peninjau Road Based Improvement Scheme

YEARLY PRODUCTION: Rubber peak production in year 1995 (1 540 tons of drc)
Cocoa peak production in year 1987 (150 tons of dbe)
Rice peak production in year 1986 (330 tons of padi)

NET REQUIREMENTS OF FOREIGN EXCHANGE YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

LINKS

LINKS TO OTHER PROJECTS AND DEVELOPMENT PACKAGES

NO: 17 NAME: Tubau RBD Rural Development
NO: NAME:
NO: NAME:
NO: NAME:
NO: NAME:
NO: NAME:
NO: NAME:

FINANCING

POSSIBILITIES OF FINANCING:

1: FEDERAL GOVERNMENT		2: STATE GOVERNMENT	
3: LOCAL GOVERNMENT		4: STATUTORY BODIES	
5: PUBLIC FUNDS		6: PRIVATE DOMESTIC SAVINGS	✓
7: PRIVATE FOREIGN LOANS		8: PUBLIC FOREIGN LOANS	

REFERENCES

REFERENCES:

1: Supporting Report 2, Part II
2:
3:
4:
5:

IDENTIFICATION

PROJECT NUMBER: 212 SECTOR: AGRICULTURE

DEPARTMENT — PLANNING: / IMPLEMENTATION: / BUGET: — PRIVATE

NAME OF PROJECT: Clearing, planting and operating - Sungai Klad Area

CONTENTS

DESCRIPTION: Lambir-Subis RDA Private Investor
Clearing, planting and operating of 12 600 acres
(Planting commences in 1979 and finishes in 1982)

Oil palm - 8 820 acres
Rubber - 2 520 acres
Cocoa - 820 acres
Rice - 440 acres

COSTS AND REVENUES (1973 PRICES)

TOTAL INVESTMENT COSTS: $11 361 000 (1978 to 1980 - $ 4 120 000) INVESTMENT PERIOD: 1978 to 1988

INVESTMENT YEAR BY YEAR: $'000

1: $306	2: $1 654	3: $2 160	4: $2 608	5: $2 372
6: $1 082	7: $663	8: $232	9: $163	10: $104
11: $17				

OPERATING COSTS YEAR BY YEAR: $'000

1:	2:	3: $13	4: $428	5: $1 080
6: $1 761	7: $2 373	8: $2 704	9: $2 824	10: $2 914
11: $3 062	12: $3 087	13: $3 087	14: $3 087	15: $3 087
16: $3 087	17: $3 087	18: $3 087	19: $3 087	20: $3 087

REVENUES YEAR BY YEAR: $'000

1:	2:	3: $27	4: $142	5: $800
6: $1 889	7: $3 230	8: $4 702	9: $5 756	10: $6 376
11: $6 721	12: $6 846	13: $6 846	14: $6 846	15: $6 846
16: $6 846	17: $6 846	18: $6 846	19: $6 846	20: $6 846

SHORT DESCRIPTION OF POSSIBLE ECONOMIES OF SCALE CONCERNING INVESTMENT AND OPERATION COSTS

UNIT (OR ITEM) COSTS AND UNIT (OR ITEM) REVENUES:

Refer Bukit Peninjau Road Based Improvement Scheme

DERIVED EFFECTS OF IMPLEMENTING THE PROJECT

MAIN EFFECTS ON THE ENVIRONMENT: 1 260 farmers benefited

EMPLOYMENT:

YEAR	CONSTRUCTION				OPERATION			
	PROFESSIONALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL	PROFESSIONALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL
			Field workers				Field workers	
1978			315					
1979			630					
1980			945					
1981			1 260					
1982			1 033				227	
1983			784				476	
1984			535				725	

INPUT OTHER THAN LABOUR: CONSTRUCTION (C), OPERATION (O)

Refer Bukit Peninjau Road Based Improvement Scheme

YEARLY PRODUCTION: Oil palm peak production in year 1990 (79 200 tons of ffb)
Rubber peak production in year 1995 (2 020 tons of drc)
Cocoa peak production in year 1987 (550 tons of dbe)
Rice peak production in year 1986 (540 tons of padi)

NET REQUIREMENTS OF FOREIGN EXCHANGE YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

LINKS

LINKS TO OTHER PROJECTS AND DEVELOPMENT PACKAGES

NO:	NAME:
16	Sungai Klad

FINANCING

POSSIBILITIES OF FINANCING:

1: FEDERAL GOVERNMENT		2: STATE GOVERNMENT	
3: LOCAL GOVERNMENT		4: STATUTORY BODIES	
5: PUBLIC FUNDS		6: PRIVATE DOMESTIC SAVINGS	✓
7: PRIVATE FOREIGN LOANS		8: PUBLIC FOREIGN LOANS	

REFERENCES

REFERENCES:

1: Supporting Report 2, Part II
2:
3:
4:
5:

IDENTIFICATION

PROJECT NUMBER: 213 SECTOR: AGRICULTURE

DEPARTMENT: PLANNING: / IMPLEMENTATION: / BUGET: — PRIVATE

NAME OF PROJECT: Management Private - Sungai Klad Area

CONTENTS

DESCRIPTION: Private management of 12 600 acres of cropped area.

COSTS AND REVENUES (1973 PRICES)

TOTAL INVESTMENT COSTS: $410 000 INVESTMENT PERIOD: 1978 to 1980

INVESTMENT YEAR BY YEAR: $'000

1: $53	2: $149	3: $208	4:	5:
6:	7:	8:	9:	10:

OPERATING COSTS YEAR BY YEAR: $'000

1: $41	2: $167	3: $313	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

REVENUES YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

SHORT DESCRIPTION OF POSSIBLE ECONOMIES OF SCALE CONCERNING INVESTMENT AND OPERATION COSTS

UNIT (OR ITEM) COSTS AND UNIT (OR ITEM) REVENUES:

DERIVED EFFECTS OF IMPLEMENTING THE PROJECT

MAIN EFFECTS ON THE ENVIRONMENT: 1 260 farmers benefited

EMPLOYMENT:

YEAR	CONSTRUCTION				OPERATION			
	PROFESSIO-NALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL	PROFESSIO-NALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL
1978					7			7
1979					18			18
1980					29			29

INPUT OTHER THAN LABOUR: CONSTRUCTION (C), OPERATION (O)

YEARLY PRODUCTION:

NET REQUIREMENTS OF FOREIGN EXCHANGE YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

LINKS

LINKS TO OTHER PROJECTS AND DEVELOPMENT PACKAGES

NO: 16 NAME: Sungai Klad
NO: NAME:
NO: NAME:
NO: NAME:
NO: NAME:
NO: NAME:
NO: NAME:

FINANCING

POSSIBILITIES OF FINANCING:

1: FEDERAL GOVERNMENT		2: STATE GOVERNMENT	
3: LOCAL GOVERNMENT		4: STATUTORY BODIES	
5: PUBLIC FUNDS		6: PRIVATE DOMESTIC SAVINGS	✓
7: PRIVATE FOREIGN LOANS		8: PUBLIC FOREIGN LOANS	

REFERENCES

REFERENCES:

1: Supporting Report 2, Part III
2:
3:
4:
5:

IDENTIFICATION

PROJECT NUMBER: 214 SECTOR: AGRICULTURE

DEPARTMENT — PLANNING: / IMPLEMENTATION: / BUGET: } See below

NAME OF PROJECT: Cocoa drying units

CONTENTS

AREA:	PLANNING	IMPLEMENTATION	BUGET	AREA:	PLANNING	IMPLEMENTATION	BUGET
Bukit Peninjau	ADU	PRIVATE	PRIVATE	Ulu Mamat	PRIVATE	PRIVATE	PRIVATE
Mera-a	SLDB	PRIVATE	PRIVATE	Menantan	PRIVATE	PRIVATE	PRIVATE
Batu Niah	ADU	PRIVATE	PRIVATE	Ulu Klad	PRIVATE	PRIVATE	PRIVATE
Beluru	ADU	PRIVATE	PRIVATE	Galasah	SLDB	PRIVATE	PRIVATE
Marudi	ADU	PRIVATE	PRIVATE	Sebanah	SLDB	PRIVATE	PRIVATE
Bintulu 10th mile	ADU	PRIVATE	PRIVATE	Long Lama	ADU	PRIVATE	PRIVATE
Bekenu	ADU	PRIVATE	PRIVATE				

DESCRIPTION: Samoan type drier, one unit per 40 acres of crop in bearing - 4 new units in 1978, 8 new units in 1979, 7 new units in 1980

COSTS AND REVENUES (1973 PRICES)

TOTAL INVESTMENT COSTS: $57 000 INVESTMENT PERIOD: 1978 to 1980

INVESTMENT YEAR BY YEAR: $'000

1: $12	2: $24	3: $21	4:	5:
6:	7:	8:	9:	10:

OPERATING COSTS YEAR BY YEAR: $'000

1:	2: $12	3: $36	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

REVENUES YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

SHORT DESCRIPTION OF POSSIBLE ECONOMIES OF SCALE CONCERNING INVESTMENT AND OPERATION COSTS

UNIT (OR ITEM) COSTS AND UNIT (OR ITEM) REVENUES:

	$
Construction per unit	3 000
Operation per unit	3 000
Processing at 3.5 cents per pound	

DERIVED EFFECTS OF IMPLEMENTING THE PROJECT

MAIN EFFECTS ON THE ENVIRONMENT:

EMPLOYMENT:

YEAR	CONSTRUCTION				OPERATION			
	PROFESSIO-NALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL	PROFESSIO-NALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL
1978								
1979								4
1980								12

INPUT OTHER THAN LABOUR: CONSTRUCTION (C), OPERATION (O)

YEARLY PRODUCTION:

NET REQUIREMENTS OF FOREIGN EXCHANGE YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

LINKS

LINKS TO OTHER PROJECTS AND DEVELOPMENT PACKAGES

		Rural Development Packages
NO: 18, 3, 19	NAME:	Bukit Peninjau, Mera-a, Beluru RBD
NO: 20, 21, 22	NAME:	Marudi, Bintulu 10th mile RBD, Bekenu RBD
NO: 11, 12, 13, 6	NAME:	Ulu Mamat, Menantan, Ulu Klad, Galasah
NO: 7, 2, 3	NAME:	Sebanah, Long Lama RBD
NO: 4	NAME:	Batu Niah
NO:	NAME:	

FINANCING

POSSIBILITIES OF FINANCING:

1: FEDERAL GOVERNMENT		2: STATE GOVERNMENT	
3: LOCAL GOVERNMENT		4: STATUTORY BODIES	
5: PUBLIC FUNDS		6: PRIVATE DOMESTIC SAVINGS	✓
7: PRIVATE FOREIGN LOANS		8: PUBLIC FOREIGN LOANS	

REFERENCES

REFERENCES:

1: Supporting Report 2, Part II
2:
3:
4:
5:

IDENTIFICATION

PROJECT NUMBER: 215 SECTOR: AGRICULTURE

DEPARTMENT — PLANNING: ADU; IMPLEMENTATION: PRIVATE; BUGET: PRIVATE

NAME OF PROJECT: Rice mill schemes

CONTENTS

DESCRIPTION: Galasah - 1
Sebanah - 2
Lamsus - 2
Ensabang - 2

Rice milling machine - one unit per 1 000 acres
3 units in 1978)
2 units in 1979) 5 persons employed by 1980
2 units in 1980 - 2 more employed by 1981

COSTS AND REVENUES (1973 PRICES)

TOTAL INVESTMENT COSTS: $14 000 INVESTMENT PERIOD: 1978 to 1980

INVESTMENT YEAR BY YEAR: $'000

1: $6	2: $4	3: $4	4:	5:
6:	7:	8:	9:	10:

OPERATING COSTS YEAR BY YEAR: $'000

1:	2: $15	3: $25	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

REVENUES YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

SHORT DESCRIPTION OF POSSIBLE ECONOMIES OF SCALE CONCERNING INVESTMENT AND OPERATION COSTS

UNIT (OR ITEM) COSTS AND UNIT (OR ITEM) REVENUES:

	$
Construction in per unit	2 000
Operation	5 000
Milling charge at $1.50 per picul	

DERIVED EFFECTS OF IMPLEMENTING THE PROJECT

MAIN EFFECTS ON THE ENVIRONMENT:

EMPLOYMENT:

YEAR	CONSTRUCTION				OPERATION			
	PROFESSIO-NALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL	PROFESSIO-NALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL
1978								
1979								3
1980								5

INPUT OTHER THAN LABOUR: CONSTRUCTION (C), OPERATION (O)

YEARLY PRODUCTION:

NET REQUIREMENTS OF FOREIGN EXCHANGE YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

LINKS

LINKS TO OTHER PROJECTS AND DEVELOPMENT PACKAGES

NO: 6	NAME: Galasah Rural Development
NO: 7	NAME: Sebanah Rural Development
NO: 8	NAME: Lamsus Rural Development
NO: 9	NAME: Ensabang Rural Development
NO:	NAME:
NO:	NAME:
NO:	NAME:

FINANCING

POSSIBILITIES OF FINANCING:

1: FEDERAL GOVERNMENT		2: STATE GOVERNMENT	
3: LOCAL GOVERNMENT		4: STATUTORY BODIES	
5: PUBLIC FUNDS		6: PRIVATE DOMESTIC SAVINGS	✓
7: PRIVATE FOREIGN LOANS		8: PUBLIC FOREIGN LOANS	

REFERENCES

REFERENCES:

1: Supporting Report 2, Part II
2:
3:
4:
5:

IDENTIFICATION

PROJECT NUMBER: 216 SECTOR: FORESTRY

DEPARTMENT — PLANNING: FD; IMPLEMENTATION: PRIVATE; BUGET: PRIVATE

NAME OF PROJECT: Final logging - Beseduan-Lebus

CONTENTS

DESCRIPTION: Salvage felling of forestry land for agricultural cultivation where ordinary logging has taken place previous to the agricultural development. 13 100 acres - felling, skidding, loading and hauling

COSTS AND REVENUES (1973 PRICES)

TOTAL INVESTMENT COSTS: INVESTMENT PERIOD: 1976 to 1979

INVESTMENT YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:

OPERATING COSTS YEAR BY YEAR: $'000

1: $1 800	2: $920	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

REVENUES YEAR BY YEAR: $'000

1: $2 730	2: $1 370	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

SHORT DESCRIPTION OF POSSIBLE ECONOMIES OF SCALE CONCERNING INVESTMENT AND OPERATION COSTS

UNIT (OR ITEM) COSTS AND UNIT (OR ITEM) REVENUES:

DERIVED EFFECTS OF IMPLEMENTING THE PROJECT

MAIN EFFECTS ON THE ENVIRONMENT:

EMPLOYMENT:

YEAR	CONSTRUCTION				OPERATION			
	PROFESSIONALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL	PROFESSIONALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL
1								34
2								17
3								
4								
5								
6								
7								
8								
9								
10								

INPUT OTHER THAN LABOUR: CONSTRUCTION (C), OPERATION (O)

7 tractors, saws, 1 loader

YEARLY PRODUCTION: 1 - 34 600 tons
2 - 17 800 tons

NET REQUIREMENTS OF FOREIGN EXCHANGE YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

LINKS

LINKS TO OTHER PROJECTS AND DEVELOPMENT PACKAGES

NO: 17	NAME: Beseduan Lebus Rural Development
NO:	NAME:
NO:	NAME:
NO:	NAME:
NO:	NAME:
NO:	NAME:
NO:	NAME:

FINANCING

POSSIBILITIES OF FINANCING:

1: FEDERAL GOVERNMENT		2: STATE GOVERNMENT	
3: LOCAL GOVERNMENT		4: STATUTORY BODIES	
5: PUBLIC FUNDS		6: PRIVATE DOMESTIC SAVINGS	✓
7: PRIVATE FOREIGN LOANS		8: PUBLIC FOREIGN LOANS	

REFERENCES

REFERENCES:

1: Supporting Report 3, Part I
2:
3:
4:
5:

IDENTIFICATION

PROJECT NUMBER: 217 SECTOR: FORESTRY

DEPARTMENT		
	PLANNING:	FD
	IMPLEMENTATION:	PRIVATE
	BUGET:	PRIVATE

NAME OF PROJECT: Final logging - Telabit

CONTENTS

DESCRIPTION: Salvage felling of forest land for agricultural cultivation where ordinary logging has taken place previous to the agricultural development.
- felling, skidding and loading

COSTS AND REVENUES (1973 PRICES)

TOTAL INVESTMENT COSTS: OPERATION PERIOD: 1976 to 1979

INVESTMENT YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:

OPERATING COSTS YEAR BY YEAR: $'000

1: $1 090	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

REVENUES YEAR BY YEAR: $'000

1: $1 660	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

SHORT DESCRIPTION OF POSSIBLE ECONOMIES OF SCALE CONCERNING INVESTMENT AND OPERATION COSTS

UNIT (OR ITEM) COSTS AND UNIT (OR ITEM) REVENUES:

DERIVED EFFECTS OF IMPLEMENTING THE PROJECT

MAIN EFFECTS ON THE ENVIRONMENT:

EMPLOYMENT:

YEAR	CONSTRUCTION				OPERATION			
	PROFESSIO-NALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL	PROFESSIO-NALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL
1								2
2								
3								
4								
5								
6								
7								
8								
9								
10								

INPUT OTHER THAN LABOUR: CONSTRUCTION (C), OPERATION (O)

4 tractors, saws, 1 loader

YEARLY PRODUCTION: 21 000 tons

NET REQUIREMENTS OF FOREIGN EXCHANGE YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

LINKS

LINKS TO OTHER PROJECTS AND DEVELOPMENT PACKAGES

NO: 10	NAME: Telabit Rural Development
NO:	NAME:
NO:	NAME:
NO:	NAME:
NO:	NAME:
NO:	NAME:
NO:	NAME:

FINANCING

POSSIBILITIES OF FINANCING:

1: FEDERAL GOVERNMENT		2: STATE GOVERNMENT	
3: LOCAL GOVERNMENT		4: STATUTORY BODIES	
5: PUBLIC FUNDS		6: PRIVATE DOMESTIC SAVINGS	✓
7: PRIVATE FOREIGN LOANS		8: PUBLIC FOREIGN LOANS	

REFERENCES

REFERENCES:

1: Supporting Report 3, Part I
2:
3:
4:

IDENTIFICATION

PROJECT NUMBER: 218 SECTOR: HOUSING

DEPARTMENT | PLANNING: IMPLEMENTATION: BUDGET: } PRIVATE

NAME OF PROJECT: Housing in Tubau

CONTENTS

DESCRIPTION: Number of houses - 20

COSTS AND REVENUES (1973 PRICES)

TOTAL INVESTMENT COSTS: $147 000 INVESTMENT PERIOD: 1978 to 1980

INVESTMENT YEAR BY YEAR: $'000

1: $49	2: $47	3: $49	4:	5:
6:	7:	8:	9:	10:

OPERATING COSTS YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

REVENUES YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

SHORT DESCRIPTION OF POSSIBLE ECONOMIES OF SCALE CONCERNING INVESTMENT AND OPERATION COSTS

UNIT (OR ITEM) COSTS AND UNIT (OR ITEM) REVENUES:

	$
14 units	5 000
6 units	13 000

DERIVED EFFECTS OF IMPLEMENTING THE PROJECT

MAIN EFFECTS ON THE ENVIRONMENT:

EMPLOYMENT:

YEAR	CONSTRUCTION				OPERATION			
	PROFESSIO-NALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL	PROFESSIO-NALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL
1								
2								
3								
4								
5								
6								
7								
8								
9								
10								

INPUT OTHER THAN LABOUR: CONSTRUCTION (C), OPERATION (O)

YEARLY PRODUCTION:

NET REQUIREMENTS OF FOREIGN EXCHANGE YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

LINKS

LINKS TO OTHER PROJECTS AND DEVELOPMENT PACKAGES

NO: 11	NAME: Tubau Town Development
NO:	NAME:
NO:	NAME:
NO:	NAME:
NO:	NAME:
NO:	NAME:
NO:	NAME:

FINANCING

POSSIBILITIES OF FINANCING:

1: FEDERAL GOVERNMENT		2: STATE GOVERNMENT	
3: LOCAL GOVERNMENT		4: STATUTORY BODIES	
5: PUBLIC FUNDS		6: PRIVATE DOMESTIC SAVINGS	✓
7: PRIVATE FOREIGN LOANS		8: PUBLIC FOREIGN LOANS	

REFERENCES

REFERENCES:

1: Supporting Report 6, Part V
2:
3:
4:
5:

IDENTIFICATION

PROJECT NUMBER: 219 A SECTOR: TRANSPORT

DEPARTMENT — PLANNING: / IMPLEMENTATION: / BUGET: — PWD

NAME OF PROJECT: Telabit road

CONTENTS

DESCRIPTION: Improved feeder road standard
Total length - 2 miles

Width of formation - 30 feet
Pavement - 18 feet
Surface - gravel

COSTS AND REVENUES (1973 PRICES)

TOTAL INVESTMENT COSTS: $300 000 INVESTMENT PERIOD: 1979

INVESTMENT YEAR BY YEAR: 1978

1: $300 000	2:	3:	4:	5:
6:	7:	8:	9:	10:

OPERATING COSTS YEAR BY YEAR: 1979

1: $10 000	2: $10 000	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

REVENUES YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

SHORT DESCRIPTION OF POSSIBLE ECONOMIES OF SCALE CONCERNING INVESTMENT AND OPERATION COSTS

UNIT (OR ITEM) COSTS AND UNIT (OR ITEM) REVENUES:

1 mile - $150 000

DERIVED EFFECTS OF IMPLEMENTING THE PROJECT

MAIN EFFECTS ON THE ENVIRONMENT: Links Telabit with the whole road network system

EMPLOYMENT:

YEAR	CONSTRUCTION				OPERATION			
	PROFESSIO-NALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL	PROFESSIO-NALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL
1								
2								
3								
4								
5								
6								1
7								
8								
9								
10								

INPUT OTHER THAN LABOUR: CONSTRUCTION (C), OPERATION (O)

YEARLY PRODUCTION:

NET REQUIREMENTS OF FOREIGN EXCHANGE YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

LINKS

LINKS TO OTHER PROJECTS AND DEVELOPMENT PACKAGES

NO: 10 NAME: Telabit Rural Development
NO: NAME:
NO: NAME:
NO: NAME:
NO: NAME:
NO: NAME:
NO: NAME:

FINANCING

POSSIBILITIES OF FINANCING:

1: FEDERAL GOVERNMENT		2: STATE GOVERNMENT	✓
3: LOCAL GOVERNMENT		4: STATUTORY BODIES	
5: PUBLIC FUNDS		6: PRIVATE DOMESTIC SAVINGS	
7: PRIVATE FOREIGN LOANS		8: PUBLIC FOREIGN LOANS	

REFERENCES

REFERENCES:

1: Supporting Report 7
2: Supporting Report 6, Part II
3:
4:

IDENTIFICATION

PROJECT NUMBER: 219 B SECTOR: TRANSPORT

DEPARTMENT — PLANNING: / IMPLEMENTATION: / BUDGET: } PWD

NAME OF PROJECT: Access road – Sungai Klad Area

CONTENTS

DESCRIPTION: Feeder road standard
Total length – 27 miles
Width of formation – 28 feet
Pavement – 14 feet
Surface – gravel

COSTS AND REVENUES (1973 PRICES)

TOTAL INVESTMENT COSTS: $324 000 INVESTMENT PERIOD: 1978

INVESTMENT YEAR BY YEAR: 1978

1: $324 000	2:	3:	4:	5:
6:	7:	8:	9:	10:

OPERATING COSTS YEAR BY YEAR: 1979

1: $13 500	2: $13 500	3: $13 500	4: $32 000	5: $13 500
6: $13 500	7: $13 500	8: $32 000	9: etc	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

REVENUES YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

SHORT DESCRIPTION OF POSSIBLE ECONOMIES OF SCALE CONCERNING INVESTMENT AND OPERATION COSTS

UNIT (OR ITEM) COSTS AND UNIT (OR ITEM) REVENUES:

1 mile – $120 000

DERIVED EFFECTS OF IMPLEMENTING THE PROJECT

MAIN EFFECTS ON THE ENVIRONMENT: Opens up Sungai Klad area for agricultural development

EMPLOYMENT:

YEAR	CONSTRUCTION				OPERATION			
	PROFESSIONALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL	PROFESSIONALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL
1								
2								
3								
4								
5								
6								
7								
8								
9								
10								

INPUT OTHER THAN LABOUR: CONSTRUCTION (C), OPERATION (O)

YEARLY PRODUCTION:

NET REQUIREMENTS OF FOREIGN EXCHANGE YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

LINKS

LINKS TO OTHER PROJECTS AND DEVELOPMENT PACKAGES

NO: 16	NAME: Sungai Klad Rural Development
NO:	NAME:
NO:	NAME:
NO:	NAME:
NO:	NAME:
NO:	NAME:
NO:	NAME:

FINANCING

POSSIBILITIES OF FINANCING:

1: FEDERAL GOVERNMENT		2: STATE GOVERNMENT	✓
3: LOCAL GOVERNMENT		4: STATUTORY BODIES	
5: PUBLIC FUNDS		6: PRIVATE DOMESTIC SAVINGS	
7: PRIVATE FOREIGN LOANS		8: PUBLIC FOREIGN LOANS	

REFERENCES

REFERENCES:

1: Supporting Report 7
2: Supporting Report 6, Part II
3:
4:
5:

IDENTIFICATION

PROJECT NUMBER: 222 SECTOR: PUBLIC SERVICES

DEPARTMENT — PLANNING: DC; IMPLEMENTATION: PWD; BUGET: DC

NAME OF PROJECT: Sub district fire brigade

CONTENTS

DESCRIPTION: Building and parking for engines
Car park and roads
1 fire engine
Quarters
Electricity and water
Fencing
Ancillary equipment
Land requirements - 0,8 acre

COSTS AND REVENUES (1973 PRICES)

TOTAL INVESTMENT COSTS: $151 000 INVESTMENT PERIOD: 1 year

INVESTMENT YEAR BY YEAR:

1: $151 000	2:	3:	4:	5:
6:	7:	8:	9:	10:

OPERATING COSTS YEAR BY YEAR:

1: $16 000	2: $16 000	3: $16 000	4: $16 000	5: $16 000
6: $16 000	7: $16 000	8: $16 000	9: $16 000	10: $16 000
11: $16 000	12: $16 000	13: $16 000	14: $16 000	15: $16 000
16: $16 000	17: $16 000	18: $16 000	19: $16 000	20: $16 000

REVENUES YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

SHORT DESCRIPTION OF POSSIBLE ECONOMIES OF SCALE CONCERNING INVESTMENT AND OPERATION COSTS

UNIT (OR ITEM) COSTS AND UNIT (OR ITEM) REVENUES:

	$
Building	25 000
Road	1 000
Car park	500
Fire engine	36 000
Quarters	80 000
Fencing	5 800
Water supply	1 000
Electricity	1 000
Ancillary equipment	1 000

DERIVED EFFECTS OF IMPLEMENTING THE PROJECT

MAIN EFFECTS ON THE ENVIRONMENT: Serves a population threshold of more than 5 000

EMPLOYMENT:

YEAR	CONSTRUCTION				OPERATION			
	PROFESSIONALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL	PROFESSIONALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL
1							5	5
2								
3								
4								
5								
6								
7								
8								
9								
10								

INPUT OTHER THAN LABOUR: CONSTRUCTION (C), OPERATION (O)

YEARLY PRODUCTION:

NET REQUIREMENTS OF FOREIGN EXCHANGE YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

LINKS

LINKS TO OTHER PROJECTS AND DEVELOPMENT PACKAGES

NO: NAME:
NO: NAME:
NO: NAME:
NO: NAME:
NO: NAME:
NO: NAME:
NO: NAME:

FINANCING

POSSIBILITIES OF FINANCING:

1: FEDERAL GOVERNMENT		2: STATE GOVERNMENT	✓
3: LOCAL GOVERNMENT		4: STATUTORY BODIES	
5: PUBLIC FUNDS		6: PRIVATE DOMESTIC SAVINGS	
7: PRIVATE FOREIGN LOANS		8: PUBLIC FOREIGN LOANS	

REFERENCES

REFERENCES:

1: Supporting Report 6, Part 1
2:
3:
4:
5:

IDENTIFICATION

PROJECT NUMBER: 223 SECTOR: PUBLIC SERVICES

DEPARTMENT — PLANNING: MD; IMPLEMENTATION: PWD; BUGET: MD

NAME OF PROJECT: General Hospital - Bintulu

CONTENTS

DESCRIPTION: New General, possibly later Regional University Hospital located in the Bintulu - Tanjong Kidurong area (close to the University)

Investment costs estimated at $8 million of which $6 million in the Action Programme period.

Provision estimate of costs, employment and investment period.

COSTS AND REVENUES (1971 PRICES)

TOTAL INVESTMENT COSTS: $8 000 000 INVESTMENT PERIOD: 1976 to 1981

INVESTMENT YEAR BY YEAR: $'000

1: $2 000	2: $2 000	3: $2 000	4: $2 000	5:
6:	7:	8:	9:	10:

OPERATING COSTS YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

REVENUES YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

SHORT DESCRIPTION OF POSSIBLE ECONOMIES OF SCALE CONCERNING INVESTMENT AND OPERATION COSTS

UNIT (OR ITEM) COSTS AND UNIT (OR ITEM) REVENUES:

DERIVED EFFECTS OF IMPLEMENTING THE PROJECT

MAIN EFFECTS ON THE ENVIRONMENT: Improve public health services in Bintulu District

EMPLOYMENT:

YEAR	CONSTRUCTION				OPERATION			
	PROFESSIONALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL	PROFESSIONALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL
1								
2								
3								
4								
5								
6								
7								
8								
9								
10								

INPUT OTHER THAN LABOUR: CONSTRUCTION (C), OPERATION (O)

YEARLY PRODUCTION:

NET REQUIREMENTS OF FOREIGN EXCHANGE YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

LINKS

LINKS TO OTHER PROJECTS AND DEVELOPMENT PACKAGES

NO: 2 NAME: Bintulu Town Development
NO: NAME:
NO: NAME:
NO: NAME:
NO: NAME:
NO: NAME:
NO: NAME:

FINANCING

POSSIBILITIES OF FINANCING:

1: FEDERAL GOVERNMENT	✓	2: STATE GOVERNMENT	
3: LOCAL GOVERNMENT		4: STATUTORY BODIES	
5: PUBLIC FUNDS		6: PRIVATE DOMESTIC SAVINGS	
7: PRIVATE FOREIGN LOANS		8: PUBLIC FOREIGN LOANS	

REFERENCES

REFERENCES:

1: Supporting Report 5
2:
3:
4:
5:

IDENTIFICATION

PROJECT NUMBER: 224 SECTOR: PUBLIC UTILITIES

DEPARTMENT: PLANNING: / IMPLEMENTATION: / BUGET: — TELECOMS

NAME OF PROJECT: Telecommunications - Sebauh

CONTENTS

DESCRIPTION: Between 25-50 lines
The project is only specified for the Action Programme period.

1 building for station and office
Exchange equipment
Transport and maintenance equipment
VHF
1 Class IV quarters

COSTS AND REVENUES (1973 PRICES)

TOTAL INVESTMENT COSTS: $142 000 INVESTMENT PERIOD: 1976 to 1980

INVESTMENT YEAR BY YEAR:

1: $141 000	2:	3: $1 000	4:	5:
6:	7:	8:	9:	10:

OPERATING COSTS YEAR BY YEAR: 1978

1: $19 000	2: $19 000	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

REVENUES YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

SHORT DESCRIPTION OF POSSIBLE ECONOMIES OF SCALE CONCERNING INVESTMENT AND OPERATION COSTS

UNIT (OR ITEM) COSTS AND UNIT (OR ITEM) REVENUES:

	$
Building	30 000
Exchange equipment	50 000
External lines	4 000
Transport and maintenance equipment	20 000
VHF	40 000
1 Class IV quarters	20 000

DERIVED EFFECTS OF IMPLEMENTING THE PROJECT

MAIN EFFECTS ON THE ENVIRONMENT: Serves a population of 900 by 1980

EMPLOYMENT:

YEAR	CONSTRUCTION				OPERATION			
	PROFESSIONALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL	PROFESSIONALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL
1								
2								
3								
4								2
5								2
6								2
7								
8								
9								
10								

INPUT OTHER THAN LABOUR: CONSTRUCTION (C), OPERATION (O)

YEARLY PRODUCTION:

NET REQUIREMENTS OF FOREIGN EXCHANGE YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

LINKS

LINKS TO OTHER PROJECTS AND DEVELOPMENT PACKAGES

NO: 9	NAME: Sebauh Town Development
NO:	NAME:
NO:	NAME:
NO:	NAME:
NO:	NAME:
NO:	NAME:
NO:	NAME:

FINANCING

POSSIBILITIES OF FINANCING:

1: FEDERAL GOVERNMENT		2: STATE GOVERNMENT	✓
3: LOCAL GOVERNMENT		4: STATUTORY BODIES	
5: PUBLIC FUNDS		6: PRIVATE DOMESTIC SAVINGS	
7: PRIVATE FOREIGN LOANS		8: PUBLIC FOREIGN LOANS	

REFERENCES

REFERENCES:

1: Supporting Report 5
2: Supporting Report 6, Part III
3:
4:
5:

IDENTIFICATION

PROJECT NUMBER: 225 SECTOR: PUBLIC UTILITIES

DEPARTMENT: PLANNING: / IMPLEMENTATION: / BUGET: } TELECOMS

NAME OF PROJECT: Telecommunications - Lambir-Subis North

CONTENTS

DESCRIPTION: 99 lines for the SOP village, Bukit Peninjau and Ladang Empat
The project is only specified for the Action Programme period.
3 buildings for station and offices
Exchange equipment
Transport and maintenance equipment
3 VHF
3 Class IV quarters

COSTS AND REVENUES (1973 PRICES)

TOTAL INVESTMENT COSTS: $454 000 INVESTMENT PERIOD: 1978 to 1980

INVESTMENT YEAR BY YEAR: 1978

1: $288 000	2:	3: $166 000	4:	5:
6:	7:	8:	9:	10:

OPERATING COSTS YEAR BY YEAR: 1978

1: $38 000	2: $38 000	3: $38 000	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

REVENUES YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

SHORT DESCRIPTION OF POSSIBLE ECONOMIES OF SCALE CONCERNING INVESTMENT AND OPERATION COSTS

UNIT (OR ITEM) COSTS AND UNIT (OR ITEM) REVENUES:

	$
Buildings	30 000
External lines per village	6 000
Exchange equipment	40 000
Other equipment	40 000
Transport and maintenance equipment	20 000
Quarters	20 000

DERIVED EFFECTS OF IMPLEMENTING THE PROJECT

MAIN EFFECTS ON THE ENVIRONMENT:

EMPLOYMENT:

YEAR	CONSTRUCTION				OPERATION			
	PROFESSIO-NALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL	PROFESSIO-NALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL
1								
2								
3								
4								
5								3
6								3
7								3
8								
9								
10								

INPUT OTHER THAN LABOUR: CONSTRUCTION (C), OPERATION (O)

YEARLY PRODUCTION:

NET REQUIREMENTS OF FOREIGN EXCHANGE YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

LINKS

LINKS TO OTHER PROJECTS AND DEVELOPMENT PACKAGES

NO: 2 NAME: Lambir-Subis North Rural Development
NO: NAME:
NO: NAME:
NO: NAME:
NO: NAME:
NO: NAME:
NO: NAME:

FINANCING

POSSIBILITIES OF FINANCING:

1: FEDERAL GOVERNMENT		2: STATE GOVERNMENT	✓
3: LOCAL GOVERNMENT		4: STATUTORY BODIES	
5: PUBLIC FUNDS		6: PRIVATE DOMESTIC SAVINGS	
7: PRIVATE FOREIGN LOANS		8: PUBLIC FOREIGN LOANS	

REFERENCES

REFERENCES:

1: Supporting Report 5
2: Supporting Report 6, Part III
3:
4:
5:

IDENTIFICATION

PROJECT NUMBER: 226 SECTOR: PUBLIC UTILITIES

DEPARTMENT — PLANNING: / IMPLEMENTATION: / BUGET: — TELECOMS

NAME OF PROJECT: Telecommunications - Beluru

CONTENTS

DESCRIPTION: Between 25 to 50 lines
The project is only specified for the Action Programme period.
1 building for station and office
Exchange equipment
Transport and maintenance equipment
VHF
1 Class IV quarters

COSTS AND REVENUES (1977 PRICES)

TOTAL INVESTMENT COSTS: $142 000 INVESTMENT PERIOD: 1978 to 1980

INVESTMENT YEAR BY YEAR:

1: $141 000	2:	3: $1 000	4:	5:
6:	7:	8:	9:	10:

OPERATING COSTS YEAR BY YEAR: 1978

1: $19 000	2: $19 000	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

REVENUES YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

SHORT DESCRIPTION OF POSSIBLE ECONOMIES OF SCALE CONCERNING INVESTMENT AND OPERATION COSTS

UNIT (OR ITEM) COSTS AND UNIT (OR ITEM) REVENUES:

	$
Building	30 000
External lines	4 000
Exchange equipment	50 000
Transport and maintenance equipment	20 000
VHF	40 000
1 Class IV quarters	20 000

DERIVED EFFECTS OF IMPLEMENTING THE PROJECT

MAIN EFFECTS ON THE ENVIRONMENT: Serves a total population of 1 000

EMPLOYMENT:

YEAR	CONSTRUCTION				OPERATION			
	PROFESSIONALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL	PROFESSIONALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL
1								
2								
3								
4								2
5								2
6								2
7								
8								
9								
10								

INPUT OTHER THAN LABOUR: CONSTRUCTION (C), OPERATION (O)

YEARLY PRODUCTION:

NET REQUIREMENTS OF FOREIGN EXCHANGE YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

LINKS

LINKS TO OTHER PROJECTS AND DEVELOPMENT PACKAGES

NO: 6	NAME: Beluru Town Development
NO:	NAME:
NO:	NAME:
NO:	NAME:
NO:	NAME:
NO:	NAME:
NO:	NAME:

FINANCING

POSSIBILITIES OF FINANCING:

1: FEDERAL GOVERNMENT		2: STATE GOVERNMENT	✓
3: LOCAL GOVERNMENT		4: STATUTORY BODIES	
5: PUBLIC FUNDS		6: PRIVATE DOMESTIC SAVINGS	
7: PRIVATE FOREIGN LOANS		8: PUBLIC FOREIGN LOANS	

REFERENCES

REFERENCES:

1: Supporting Report 5
2: Supporting Report 6, Part III
3:
4:
5:

IDENTIFICATION

PROJECT NUMBER: 227 SECTOR: PUBLIC UTILITIES

DEPARTMENT — PLANNING: / IMPLEMENTATION: / BUDGET: } TELECOMS

NAME OF PROJECT: Telecommunications - Bekenu

CONTENTS

DESCRIPTION: Between 25 to 50 lines
The project is only specified for the Action Programme period.

1 building for station and office
Transport and maintenance equipment
1 Class IV quarters
Exchange equipment
VHF

COSTS AND REVENUES (1973 PRICES)

TOTAL INVESTMENT COSTS: $142 000 INVESTMENT PERIOD: 1978 to 1980

INVESTMENT YEAR BY YEAR:

1: $141 000	2:	3: $1 000	4:	5:
6:	7:	8:	9:	10:

OPERATING COSTS YEAR BY YEAR:

1: $19 000	2: $19 000	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

REVENUES YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

SHORT DESCRIPTION OF POSSIBLE ECONOMIES OF SCALE CONCERNING INVESTMENT AND OPERATION COSTS

UNIT (OR ITEM) COSTS AND UNIT (OR ITEM) REVENUES:

	$
Building	30 000
External lines	4 000
Transport and maintenance equipment	20 000
Exchange equipment	50 000
VHF	40 000
Class IV quarters	20 000

DERIVED EFFECTS OF IMPLEMENTING THE PROJECT

MAIN EFFECTS ON THE ENVIRONMENT: Serves a population of 1 000 by 1980

EMPLOYMENT:

YEAR	CONSTRUCTION				OPERATION			
	PROFESSIONALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL	PROFESSIONALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL
1								
2								
3								
4								
5								
6								2
7								2
8								
9								
10								

INPUT OTHER THAN LABOUR: CONSTRUCTION (C), OPERATION (O)

YEARLY PRODUCTION:

NET REQUIREMENTS OF FOREIGN EXCHANGE YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

LINKS

LINKS TO OTHER PROJECTS AND DEVELOPMENT PACKAGES

NO: 7	NAME: Bekenu Town Development
NO:	NAME:
NO:	NAME:
NO:	NAME:
NO:	NAME:
NO:	NAME:
NO:	NAME:

FINANCING

POSSIBILITIES OF FINANCING:

1: FEDERAL GOVERNMENT		2: STATE GOVERNMENT	✓
3: LOCAL GOVERNMENT		4: STATUTORY BODIES	
5: PUBLIC FUNDS		6: PRIVATE DOMESTIC SAVINGS	
7: PRIVATE FOREIGN LOANS		8: PUBLIC FOREIGN LOANS	

REFERENCES

REFERENCES:

1: Supporting Report 5
2: Supporting Report 6, Part III
3:
4:
5:

IDENTIFICATION

PROJECT NUMBER: 228 SECTOR: PUBLIC UTILITIES

DEPARTMENT: PLANNING:) IMPLEMENTATION:) SESCO BUGET:)

NAME OF PROJECT: Electricity - Sebauh

CONTENTS

DESCRIPTION: Plant of 60 kW
The project is only specified for the Action Programme period.

COSTS AND REVENUES (1973 PRICES)

TOTAL INVESTMENT COSTS: $120 000 INVESTMENT PERIOD: 1978

INVESTMENT YEAR BY YEAR:

1: $120 000	2:	3:	4:	5:
6:	7:	8:	9:	10:

OPERATING COSTS YEAR BY YEAR: 1979

1: $15 000	2: $16 000	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

REVENUES YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

SHORT DESCRIPTION OF POSSIBLE ECONOMIES OF SCALE CONCERNING INVESTMENT AND OPERATION COSTS

UNIT (OR ITEM) COSTS AND UNIT (OR ITEM) REVENUES:

	$
60 kW set	41 000
Distribution, etc	36 000

DERIVED EFFECTS OF IMPLEMENTING THE PROJECT

MAIN EFFECTS ON THE ENVIRONMENT: Serves a population of 900 by 1980

EMPLOYMENT: 1979

YEAR	CONSTRUCTION				OPERATION			
	PROFESSIO-NALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL	PROFESSIO-NALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL
1								
2								
3								
4								
5								2
6								2
7								
8								
9								
10								

INPUT OTHER THAN LABOUR: CONSTRUCTION (C), OPERATION (O)

YEARLY PRODUCTION:

NET REQUIREMENTS OF FOREIGN EXCHANGE YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

LINKS

LINKS TO OTHER PROJECTS AND DEVELOPMENT PACKAGES

NO: 9	NAME: Sebauh Town Development
NO:	NAME:
NO:	NAME:
NO:	NAME:
NO:	NAME:
NO:	NAME:
NO:	NAME:

FINANCING

POSSIBILITIES OF FINANCING:

1: FEDERAL GOVERNMENT		2: STATE GOVERNMENT	
3: LOCAL GOVERNMENT		4: STATUTORY BODIES	✓
5: PUBLIC FUNDS		6: PRIVATE DOMESTIC SAVINGS	
7: PRIVATE FOREIGN LOANS		8: PUBLIC FOREIGN LOANS	

REFERENCES

REFERENCES:

1: Supporting Report 5
2: Supporting Report 6, Part III
3:
4:
5:

IDENTIFICATION

PROJECT NUMBER: 229 SECTOR: PUBLIC UTILITIES

DEPARTMENT — PLANNING:) IMPLEMENTATION:) BUGET:) SESCO

NAME OF PROJECT: Electricity - Mera-a

CONTENTS

DESCRIPTION: Maximum output power to be 60 kW
The project is only specified for the Action Programme period.

1 Generator
Distribution system

COSTS AND REVENUES (1973 PRICES)

TOTAL INVESTMENT COSTS: $120 000 INVESTMENT PERIOD: 1978 to 1980

INVESTMENT YEAR BY YEAR: 1978

1: $60 000	2:	3: $60 000	4:	5:
6:	7:	8:	9:	10:

OPERATING COSTS YEAR BY YEAR: 1979

1: $6 000	2: $11 000	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

REVENUES YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

SHORT DESCRIPTION OF POSSIBLE ECONOMIES OF SCALE CONCERNING INVESTMENT AND OPERATION COSTS

UNIT (OR ITEM) COSTS AND UNIT (OR ITEM) REVENUES:

DERIVED EFFECTS OF IMPLEMENTING THE PROJECT

MAIN EFFECTS ON THE ENVIRONMENT: Serves the Mera-a population of 1 300 by 1980

EMPLOYMENT:

YEAR	CONSTRUCTION				OPERATION			
	PROFESSIONALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL	PROFESSIONALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL
1								
2								
3								
4								
5								
6								1
7								1
8								
9								
10								

INPUT OTHER THAN LABOUR: CONSTRUCTION (C), OPERATION (O)

YEARLY PRODUCTION:

NET REQUIREMENTS OF FOREIGN EXCHANGE YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

LINKS

LINKS TO OTHER PROJECTS AND DEVELOPMENT PACKAGES

NO: 3	NAME: Mera-a Rural Development
NO:	NAME:
NO:	NAME:
NO:	NAME:
NO:	NAME:
NO:	NAME:
NO:	NAME:

FINANCING

POSSIBILITIES OF FINANCING:

1: FEDERAL GOVERNMENT		2: STATE GOVERNMENT	
3: LOCAL GOVERNMENT		4: STATUTORY BODIES	✓
5: PUBLIC FUNDS		6: PRIVATE DOMESTIC SAVINGS	
7: PRIVATE FOREIGN LOANS		8: PUBLIC FOREIGN LOANS	

REFERENCES

REFERENCES:

1: Supporting Report 5
2: Supporting Report 6, Part III
3:
4:
5:

IDENTIFICATION

PROJECT NUMBER: 230 A SECTOR: PUBLIC UTILITIES

DEPARTMENT: PLANNING: / IMPLEMENTATION: / BUGET: } SESCO

NAME OF PROJECT: Electricity - Beluru

CONTENTS

DESCRIPTION: Plant of 60 kW
The project is only specified for the Action Programme period.

COSTS AND REVENUES (1973 PRICES)

TOTAL INVESTMENT COSTS: $120 000 INVESTMENT PERIOD: 1978

INVESTMENT YEAR BY YEAR:

1: $120 000	2:	3:	4:	5:
6:	7:	8:	9:	10:

OPERATING COSTS YEAR BY YEAR: 1979

1: $15 000	2: $16 000	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

REVENUES YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

SHORT DESCRIPTION OF POSSIBLE ECONOMIES OF SCALE CONCERNING INVESTMENT AND OPERATION COSTS

UNIT (OR ITEM) COSTS AND UNIT (OR ITEM) REVENUES:

	$
60 kW set	41 000
Distribution, etc.	36 000

DERIVED EFFECTS OF IMPLEMENTING THE PROJECT

MAIN EFFECTS ON THE ENVIRONMENT: Serves a population of 1 000 by 1980

EMPLOYMENT:

YEAR	CONSTRUCTION				OPERATION			
	PROFESSIO-NALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL	PROFESSIO-NALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL
1								
2								
3								
4								
5								2
6								2
7								
8								
9								
10								

INPUT OTHER THAN LABOUR: CONSTRUCTION (C), OPERATION (O)

YEARLY PRODUCTION:

NET REQUIREMENTS OF FOREIGN EXCHANGE YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

LINKS

LINKS TO OTHER PROJECTS AND DEVELOPMENT PACKAGES

NO: 6	NAME: Beluru Town Development
NO:	NAME:
NO:	NAME:
NO:	NAME:
NO:	NAME:
NO:	NAME:
NO:	NAME:

FINANCING

POSSIBILITIES OF FINANCING:

1: FEDERAL GOVERNMENT		2: STATE GOVERNMENT	
3: LOCAL GOVERNMENT		4: STATUTORY BODIES	✓
5: PUBLIC FUNDS		6: PRIVATE DOMESTIC SAVINGS	
7: PRIVATE FOREIGN LOANS		8: PUBLIC FOREIGN LOANS	

REFERENCES

REFERENCES:

1: Supporting Report 5
2: Supporting Report 6, Part III
3:
4:
5:

IDENTIFICATION

PROJECT NUMBER: 230 B — SECTOR: PUBLIC UTILITIES

DEPARTMENT — PLANNING: / IMPLEMENTATION: / BUGET: } SESCO

NAME OF PROJECT: Electricity - Bekenu

CONTENTS

DESCRIPTION: Total capacity to be 220 kW by 1980
The project is only specified for the Action Programme period.

1 set of 60 kW (existing)
1 set of 100 kW (new)
1 set of 60 kW (new)

COSTS AND REVENUES (1973 PRICES)

TOTAL INVESTMENT COSTS: $115 000 — INVESTMENT PERIOD: 1978

INVESTMENT YEAR BY YEAR:

1: $115 000	2:	3:	4:	5:
6:	7:	8:	9:	10:

OPERATING COSTS YEAR BY YEAR: 1979

1: $32 000	2: $44 000	3:	4:	5:
6:	7.	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

REVENUES YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

SHORT DESCRIPTION OF POSSIBLE ECONOMIES OF SCALE CONCERNING INVESTMENT AND OPERATION COSTS

UNIT (OR ITEM) COSTS AND UNIT (OR ITEM) REVENUES:

1 set 60 kW - $41 000
1 set 100 kW - $65 000
Rate of operation per kWh - $0.14
Rate of supply per kWh - $0.24

DERIVED EFFECTS OF IMPLEMENTING THE PROJECT

MAIN EFFECTS ON THE ENVIRONMENT: Serves Bekenu and surroundings

EMPLOYMENT:

YEAR	CONSTRUCTION				OPERATION			
	PROFESSIONALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL	PROFESSIONALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL
1								
2								
3								
4								
5								
6								2
7								2
8								
9								
10								

INPUT OTHER THAN LABOUR: CONSTRUCTION (C), OPERATION (O)

YEARLY PRODUCTION: From 140 Mwh per year in 1975
to 460 Mwh per year in 1980

NET REQUIREMENTS OF FOREIGN EXCHANGE YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

LINKS

LINKS TO OTHER PROJECTS AND DEVELOPMENT PACKAGES

NO: 7	NAME: Bekenu Town Development
NO:	NAME:
NO:	NAME:
NO:	NAME:
NO:	NAME:
NO:	NAME:
NO:	NAME:

FINANCING

POSSIBILITIES OF FINANCING:

1: FEDERAL GOVERNMENT		2: STATE GOVERNMENT	
3: LOCAL GOVERNMENT		4: STATUTORY BODIES	✓
5: PUBLIC FUNDS		6: PRIVATE DOMESTIC SAVINGS	
7: PRIVATE FOREIGN LOANS		8: PUBLIC FOREIGN LOANS	

REFERENCES

REFERENCES:

1: Supporting Report 5
2: Supporting Report 6, Part III
3:
4:
5:

IDENTIFICATION

PROJECT NUMBER: 231 SECTOR: PUBLIC UTILITIES

DEPARTMENT: PLANNING: } IMPLEMENTATION: } PWD BUGET: }

NAME OF PROJECT: Sewerage – Sebauh

CONTENTS

DESCRIPTION: Small community system and septic tanks
The project is only specified for the Action Programme period.

COSTS AND REVENUES (1973 PRICES)

TOTAL INVESTMENT COSTS: $144 000 INVESTMENT PERIOD: 1978 to 1980

INVESTMENT YEAR BY YEAR:

1: $51 000	2: $46 000	3: $47 000	4:	5:
6:	7:	8:	9:	10:

OPERATING COSTS YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

REVENUES YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

SHORT DESCRIPTION OF POSSIBLE ECONOMIES OF SCALE CONCERNING INVESTMENT AND OPERATION COSTS

UNIT (OR ITEM) COSTS AND UNIT (OR ITEM) REVENUES:

	$
Septic tanks per head	210
Community system per head	240

DERIVED EFFECTS OF IMPLEMENTING THE PROJECT

MAIN EFFECTS ON THE ENVIRONMENT: Serve a population of Sebauh (1 000 by 1980)

EMPLOYMENT:

YEAR	CONSTRUCTION				OPERATION			
	PROFESSIO-NALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL	PROFESSIO-NALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL
1								
2								
3								
4								
5								
6								
7								
8								
9								
10								

INPUT OTHER THAN LABOUR: CONSTRUCTION (C), OPERATION (O)

YEARLY PRODUCTION:

NET REQUIREMENTS OF FOREIGN EXCHANGE YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

LINKS

LINKS TO OTHER PROJECTS AND DEVELOPMENT PACKAGES

NO: 9	NAME: Sebauh Town Development
NO:	NAME:
NO:	NAME:
NO:	NAME:
NO:	NAME:
NO:	NAME:
NO:	NAME:

FINANCING

POSSIBILITIES OF FINANCING:

1: FEDERAL GOVERNMENT		2: STATE GOVERNMENT	✓
3: LOCAL GOVERNMENT		4: STATUTORY BODIES	
5: PUBLIC FUNDS		6: PRIVATE DOMESTIC SAVINGS	
7: PRIVATE FOREIGN LOANS		8: PUBLIC FOREIGN LOANS	

REFERENCES

REFERENCES:

1: Supporting Report 5
2: Supporting Report 6, Part III
3:
4:
5:

IDENTIFICATION

PROJECT NUMBER: 232 SECTOR: PUBLIC UTILITIES

DEPARTMENT — PLANNING: / IMPLEMENTATION: / BUGET: — PWD

NAME OF PROJECT: Sewerage – Sebanah

CONTENTS

DESCRIPTION: Latrines for the population and septic tanks for the shops and school
The project is only specified for the Action Programme period.

COSTS AND REVENUES (1973 PRICES)

TOTAL INVESTMENT COSTS: $43 000 INVESTMENT PERIOD: 1978 to 1979

INVESTMENT YEAR BY YEAR: 1978

1: $15 000	2: $29 000	3:	4:	5:
6:	7:	8:	9:	10:

OPERATING COSTS YEAR BY YEAR: 1979

1: $1 100	2: $1 100	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

REVENUES YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

SHORT DESCRIPTION OF POSSIBLE ECONOMIES OF SCALE CONCERNING INVESTMENT AND OPERATION COSTS

UNIT (OR ITEM) COSTS AND UNIT (OR ITEM) REVENUES:

Latrines at $18 per head
Septic tanks at $210 per head

DERIVED EFFECTS OF IMPLEMENTING THE PROJECT

MAIN EFFECTS ON THE ENVIRONMENT: Serves the population of Sebanah (1 500 by 1980)

EMPLOYMENT:

YEAR	CONSTRUCTION				OPERATION			
	PROFESSIO-NALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL	PROFESSIO-NALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL
1								
2								
3								
4								
5								
6								
7								
8								
9								
10								

INPUT OTHER THAN LABOUR: CONSTRUCTION (C), OPERATION (O)

YEARLY PRODUCTION:

NET REQUIREMENTS OF FOREIGN EXCHANGE YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

LINKS

LINKS TO OTHER PROJECTS AND DEVELOPMENT PACKAGES

NO: 7 NAME: Sebanah Rural Development
NO: NAME:
NO: NAME:
NO: NAME:
NO: NAME:
NO: NAME:
NO: NAME:

FINANCING

POSSIBILITIES OF FINANCING:

1: FEDERAL GOVERNMENT		2: STATE GOVERNMENT	✓
3: LOCAL GOVERNMENT		4: STATUTORY BODIES	
5: PUBLIC FUNDS		6: PRIVATE DOMESTIC SAVINGS	
7: PRIVATE FOREIGN LOANS		8: PUBLIC FOREIGN LOANS	

REFERENCES

REFERENCES:

1: Supporting Report 5
2: Supporting Report 6, Part III
3:
4:
5:

IDENTIFICATION

PROJECT NUMBER: 233 SECTOR: PUBLIC UTILITIES

DEPARTMENT — PLANNING: / IMPLEMENTATION: / BUGET: } PWD

NAME OF PROJECT: Sewerage - Lamaus

CONTENTS

DESCRIPTION: Latrines for the population and septic tanks for the shops and school
The project is only specified for the Action Programme period.

COSTS AND REVENUES (1973 PRICES)

TOTAL INVESTMENT COSTS: $57 000 INVESTMENT PERIOD: 1978 to 1980

INVESTMENT YEAR BY YEAR: 1978

1: $12 000	2: $12 000	3: $33 000	4:	5:
6:	7:	8:	9:	10:

OPERATING COSTS YEAR BY YEAR: 1980

1: $1 400	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

REVENUES YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

SHORT DESCRIPTION OF POSSIBLE ECONOMIES OF SCALE CONCERNING INVESTMENT AND OPERATION COSTS

UNIT (OR ITEM) COSTS AND UNIT (OR ITEM) REVENUES:

Latrines at $18 per head
Septic tanks at $210 per head

DERIVED EFFECTS OF IMPLEMENTING THE PROJECT

MAIN EFFECTS ON THE ENVIRONMENT: Serves the village of Lamaus (population 1 900 by 1980)

EMPLOYMENT:

YEAR	CONSTRUCTION				OPERATION			
	PROFESSIO-NALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL	PROFESSIO-NALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL
1								
2								
3								
4								
5								
6								
7								
8								
9								
10								

INPUT OTHER THAN LABOUR: CONSTRUCTION (C), OPERATION (O)

YEARLY PRODUCTION:

NET REQUIREMENTS OF FOREIGN EXCHANGE YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

LINKS

LINKS TO OTHER PROJECTS AND DEVELOPMENT PACKAGES

NO: 8 NAME: Lamaus Rural Development
NO: NAME:
NO: NAME:
NO: NAME:
NO: NAME:
NO: NAME:
NO: NAME:

FINANCING

POSSIBILITIES OF FINANCING:

1: FEDERAL GOVERNMENT		2: STATE GOVERNMENT	✓
3: LOCAL GOVERNMENT		4: STATUTORY BODIES	
5: PUBLIC FUNDS		6: PRIVATE DOMESTIC SAVINGS	
7: PRIVATE FOREIGN LOANS		8: PUBLIC FOREIGN LOANS	

REFERENCES

REFERENCES:

1: Supporting Report 5
2: Supporting Report 6, Part III
3:
4:
5:

IDENTIFICATION

PROJECT NUMBER: 234 SECTOR: PUBLIC UTILITIES

DEPARTMENT: PLANNING: / IMPLEMENTATION: / BUDGET: } PND

NAME OF PROJECT: Sewerage – Beluru

CONTENTS

DESCRIPTION: Small community system and septic tanks
The project is only specified for the Action Programme period.

COSTS AND REVENUES (1973 PRICES)

TOTAL INVESTMENT COSTS: $144 000 INVESTMENT PERIOD: 1978 to 1980

INVESTMENT YEAR BY YEAR:

1: $51 000	2: $46 000	3: $47 000	4:	5:
6:	7:	8:	9:	10:

OPERATING COSTS YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

REVENUES YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

SHORT DESCRIPTION OF POSSIBLE ECONOMIES OF SCALE CONCERNING INVESTMENT AND OPERATION COSTS

UNIT (OR ITEM) COSTS AND UNIT (OR ITEM) REVENUES:

Septic tanks per head – $210
Community system per head – $240

DERIVED EFFECTS OF IMPLEMENTING THE PROJECT

MAIN EFFECTS ON THE ENVIRONMENT: Serve a population of 1 000 by 1980

EMPLOYMENT:

YEAR	CONSTRUCTION				OPERATION			
	PROFESSIO-NALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL	PROFESSIO-NALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL
1								
2								
3								
4								
5								
6								
7								
8								
9								
10								

INPUT OTHER THAN LABOUR: CONSTRUCTION (C), OPERATION (O)

YEARLY PRODUCTION:

NET REQUIREMENTS OF FOREIGN EXCHANGE YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

LINKS

LINKS TO OTHER PROJECTS AND DEVELOPMENT PACKAGES

NO: 6	NAME: Beluru Town Development
NO:	NAME:
NO:	NAME:
NO:	NAME:
NO:	NAME:
NO:	NAME:
NO:	NAME:

FINANCING

POSSIBILITIES OF FINANCING:

1: FEDERAL GOVERNMENT		2: STATE GOVERNMENT	✓
3: LOCAL GOVERNMENT		4: STATUTORY BODIES	
5: PUBLIC FUNDS		6: PRIVATE DOMESTIC SAVINGS	
7: PRIVATE FOREIGN LOANS		8: PUBLIC FOREIGN LOANS	

REFERENCES

REFERENCES:

1: Supporting Report 5
2: Supporting Report 6, Part III
3:
4:
5:

IDENTIFICATION

PROJECT NUMBER: 235 SECTOR: PUBLIC UTILITIES

DEPARTMENT: PLANNING: / IMPLEMENTATION: / BUGET: } PWD

NAME OF PROJECT: Sewerage – Bekenu

CONTENTS

DESCRIPTION: Small community system
The project is only specified for the Action Programme period.

COSTS AND REVENUES (1973 PRICES)

TOTAL INVESTMENT COSTS: $144 000 INVESTMENT PERIOD: 1976 to 1980

INVESTMENT YEAR BY YEAR:

1: $51 000	2: $46 000	3: $47 000	4:	5:
6:	7:	8:	9:	10:

OPERATING COSTS YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

REVENUES YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

SHORT DESCRIPTION OF POSSIBLE ECONOMIES OF SCALE CONCERNING INVESTMENT AND OPERATION COSTS

UNIT (OR ITEM) COSTS AND UNIT (OR ITEM) REVENUES:

	$
Community system per head	240
Septic tanks per head	210

DERIVED EFFECTS OF IMPLEMENTING THE PROJECT

MAIN EFFECTS ON THE ENVIRONMENT: Serve a population of 1 000 by 1980

EMPLOYMENT:

YEAR	CONSTRUCTION				OPERATION			
	PROFESSIONALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL	PROFESSIONALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL
1								
2								
3								
4								
5								
6								
7								
8								
9								
10								

INPUT OTHER THAN LABOUR: CONSTRUCTION (C), OPERATION (O)

YEARLY PRODUCTION:

NET REQUIREMENTS OF FOREIGN EXCHANGE YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

LINKS

LINKS TO OTHER PROJECTS AND DEVELOPMENT PACKAGES

NO: 7	NAME: Bekenu Town Development
NO:	NAME:
NO:	NAME:
NO:	NAME:
NO:	NAME:
NO:	NAME:
NO:	NAME:

FINANCING

POSSIBILITIES OF FINANCING:

1: FEDERAL GOVERNMENT	☐	2: STATE GOVERNMENT	✓
3: LOCAL GOVERNMENT	☐	4: STATUTORY BODIES	☐
5: PUBLIC FUNDS	☐	6: PRIVATE DOMESTIC SAVINGS	☐
7: PRIVATE FOREIGN LOANS	☐	8: PUBLIC FOREIGN LOANS	☐

REFERENCES

REFERENCES:

1: Supporting Report 5
2: Supporting Report 6, Part III
3:
4:
5:

IDENTIFICATION

PROJECT NUMBER: 236 SECTOR: PUBLIC UTILITIES

DEPARTMENT: PLANNING: / IMPLEMENTATION: / BUGET: } DC/SESOO

NAME OF PROJECT: Cleansing, refuse disposal, street lighting - Beluru

CONTENTS

DESCRIPTION: Monsoon drains
Cleansing department
Lined roadside drains
Street lighting

COSTS AND REVENUES (1973 PRICES)

TOTAL INVESTMENT COSTS: $29 000 INVESTMENT PERIOD: 1978 to 1980

INVESTMENT YEAR BY YEAR: 1978

1: $8 000	2: $13 000	3: $8 000	4:	5:
6:	7:	8:	9:	10:

OPERATING COSTS YEAR BY YEAR: 1978

1: $7 000	2: $7 000	3: $7 000	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

REVENUES YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

SHORT DESCRIPTION OF POSSIBLE ECONOMIES OF SCALE CONCERNING INVESTMENT AND OPERATION COSTS

UNIT (OR ITEM) COSTS AND UNIT (OR ITEM) REVENUES:

Monsoon drains at - $20 per head
Lined roadside drains at - $60 per head
Trailer - $5 000

DERIVED EFFECTS OF IMPLEMENTING THE PROJECT

MAIN EFFECTS ON THE ENVIRONMENT: Serves a total population of 1 000 by 1980

EMPLOYMENT:

YEAR	CONSTRUCTION				OPERATION			
	PROFESSIONALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL	PROFESSIONALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL
1								
2								
3								
4								
5								
6								
7								
8								
9								
10								

INPUT OTHER THAN LABOUR: CONSTRUCTION (C), OPERATION (O)

YEARLY PRODUCTION:

NET REQUIREMENTS OF FOREIGN EXCHANGE YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

LINKS

LINKS TO OTHER PROJECTS AND DEVELOPMENT PACKAGES

NO: 6	NAME: Beluru Town Development
NO:	NAME:
NO:	NAME:
NO:	NAME:
NO:	NAME:
NO:	NAME:
NO:	NAME:

FINANCING

POSSIBILITIES OF FINANCING:

1: FEDERAL GOVERNMENT		2: STATE GOVERNMENT	✓
3: LOCAL GOVERNMENT		4: STATUTORY BODIES	✓
5: PUBLIC FUNDS		6: PRIVATE DOMESTIC SAVINGS	
7: PRIVATE FOREIGN LOANS		8: PUBLIC FOREIGN LOANS	

REFERENCES

REFERENCES:

1: Supporting Report 5
2: Supporting Report 6, Part III
3:
4:
5:

IDENTIFICATION

PROJECT NUMBER: 237 SECTOR: PUBLIC UTILITIES

DEPARTMENT: PLANNING: / IMPLEMENTATION: / BUGET: } DC/SESCO

NAME OF PROJECT: Cleansing, refuse disposal, street lighting - Bekenu

CONTENTS

DESCRIPTION: Monsoon drains
Cleansing department
Lined roadside drains
Street lighting

The project is only specified for the Action Programme period.

COSTS AND REVENUES (1973 PRICES)

TOTAL INVESTMENT COSTS: $29 000 INVESTMENT PERIOD: 1978 to 1980

INVESTMENT YEAR BY YEAR: 1978

1: $8 000	2: $13 000	3: $8 000	4:	5:
6:	7:	8:	9:	10:

OPERATING COSTS YEAR BY YEAR: 1979

1: $7 000	2: $7 000	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

REVENUES YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

SHORT DESCRIPTION OF POSSIBLE ECONOMIES OF SCALE CONCERNING INVESTMENT AND OPERATION COSTS

UNIT (OR ITEM) COSTS AND UNIT (OR ITEM) REVENUES:

Monsoon drains at - $20 per head
Lined roadside drains at - $60 per head
Trailer - $5 000

DERIVED EFFECTS OF IMPLEMENTING THE PROJECT

MAIN EFFECTS ON THE ENVIRONMENT: Serves a total population of 1 000 by 1980

EMPLOYMENT:

YEAR	CONSTRUCTION				OPERATION			
	PROFESSIO-NALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL	PROFESSIO-NALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL
1								
2								
3								
4								
5								
6								
7								
8								
9								
10								

INPUT OTHER THAN LABOUR: CONSTRUCTION (C), OPERATION (O)

YEARLY PRODUCTION:

NET REQUIREMENTS OF FOREIGN EXCHANGE YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

LINKS

LINKS TO OTHER PROJECTS AND DEVELOPMENT PACKAGES

NO: 7	NAME: Bekenu Town Development
NO:	NAME:
NO:	NAME:
NO:	NAME:
NO:	NAME:
NO:	NAME:
NO:	NAME:

FINANCING

POSSIBILITIES OF FINANCING:

1: FEDERAL GOVERNMENT		2: STATE GOVERNMENT	✓
3: LOCAL GOVERNMENT		4: STATUTORY BODIES	✓
5: PUBLIC FUNDS		6: PRIVATE DOMESTIC SAVINGS	
7: PRIVATE FOREIGN LOANS		8: PUBLIC FOREIGN LOANS	

REFERENCES

REFERENCES:

1: Supporting Report 5
2: Supporting Report 6, Part III
3:
4:
5:

IDENTIFICATION

PROJECT NUMBER: 238 SECTOR: PUBLIC UTILITIES

DEPARTMENT
PLANNING: DC
IMPLEMENTATION: SESCO
BUGET:

NAME OF PROJECT: Cleansing, refuse disposal, street lighting - Sebauh

CONTENTS

DESCRIPTION: Monsoon drains
Cleansing department
Lined roadside drains
Street lighting

COSTS AND REVENUES (1973 PRICES)

TOTAL INVESTMENT COSTS: $29 000 INVESTMENT PERIOD: 1976 to 1980

INVESTMENT YEAR BY YEAR: 1976 +

1: $8 000	2: $13 000	3: $8 000	4:	5:
6:	7:	8:	9:	10:

OPERATING COSTS YEAR BY YEAR: 1976

1: $7 000	2: $7 000	3: $7 000	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

REVENUES YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

SHORT DESCRIPTION OF POSSIBLE ECONOMIES OF SCALE CONCERNING INVESTMENT AND OPERATION COSTS

UNIT (OR ITEM) COSTS AND UNIT (OR ITEM) REVENUES:

Monsoon drains at - $20 per head
Lined roadside drains at - $60 per head

DERIVED EFFECTS OF IMPLEMENTING THE PROJECT

MAIN EFFECTS ON THE ENVIRONMENT: Serves a population of 900 by 1980

EMPLOYMENT:

YEAR	CONSTRUCTION				OPERATION			
	PROFESSIO-NALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL	PROFESSIO-NALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL
1								
2								
3								
4								
5								
6								
7								
8								
9								
10								

INPUT OTHER THAN LABOUR: CONSTRUCTION (C), OPERATION (O)

YEARLY PRODUCTION:

NET REQUIREMENTS OF FOREIGN EXCHANGE YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

LINKS

LINKS TO OTHER PROJECTS AND DEVELOPMENT PACKAGES

NO: 9 NAME: Sebauh Town Development
NO: NAME:
NO: NAME:
NO: NAME:
NO: NAME:
NO: NAME:
NO: NAME:

FINANCING

POSSIBILITIES OF FINANCING:

1: FEDERAL GOVERNMENT		2: STATE GOVERNMENT	✓
3: LOCAL GOVERNMENT		4: STATUTORY BODIES	✓
5: PUBLIC FUNDS		6: PRIVATE DOMESTIC SAVINGS	
7: PRIVATE FOREIGN LOANS		8: PUBLIC FOREIGN LOANS	

REFERENCES

REFERENCES:

1: Supporting Report 5
2: Supporting Report 6, Part III
3:
4:
5:

IDENTIFICATION

PROJECT NUMBER: 239 SECTOR: AGRICULTURE

DEPARTMENT
PLANNING: SLDB
IMPLEMENTATION: SLDB
BUGET: SLDB

NAME OF PROJECT: Clearing, planting and operating - Telabit Area

CONTENTS

DESCRIPTION: Clearing, planting and operating of 4 165 acres - small holder scheme

Oil palm - 2 455 acres
Rubber - 1 370 acres
Cocoa - 160 acres
Rice - 180 acres

COSTS AND REVENUES (1973 PRICES)

TOTAL INVESTMENT COSTS: $4 467 000 INVESTMENT PERIOD: 1979 to 1987
(1979 to 1980 - $ 690 000)

INVESTMENT YEAR BY YEAR: $'000

1: $64	2: $626	3: $1 704	4: $775	5: $793
6: $151	7: $127	8: $189	9: $38	10:

OPERATING COSTS YEAR BY YEAR: $'000

1:	2:	3:	4: $21	5: $197
6: $723	7: $727	8: $680	9: $940	10: $1 044
11: $1 021	12: $1 036	13: $1 042	14: $1 072	15: $1 076
16: $1 084	17:	18:	19:	20:

REVENUES YEAR BY YEAR: $'000

1:	2:	3:	4: $70	5: $291
6: $850	7: $1 274	8: $1 523	9: $1 905	10: $2 132
11: $2 256	12: $2 323	13: $2 360	14: $2 395	15: $2 427
16: $2 451	17:	18:	19:	20:

SHORT DESCRIPTION OF POSSIBLE ECONOMIES OF SCALE CONCERNING INVESTMENT AND OPERATION COSTS

UNIT (OR ITEM) COSTS AND UNIT (OR ITEM) REVENUES:

Refer Bukit Peninjau Road Based Improvement Scheme

DERIVED EFFECTS OF IMPLEMENTING THE PROJECT

MAIN EFFECTS ON THE ENVIRONMENT: 268 farms benefited

EMPLOYMENT:

YEAR	CONSTRUCTION				OPERATION			
	PROFESSIO-NALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL	PROFESSIO-NALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL
			Field workers				Field workers	
1979			61					
1980			298					
1981			407				27	
1982			279				27	
1983			234				87	
1984			88				252	
1985			47				262	
1986			42				225	
1987							267	

INPUT OTHER THAN LABOUR: CONSTRUCTION (C), OPERATION (O)

Refer Bukit Peninjau Road Based Improvement Scheme

YEARLY PRODUCTION: Oil palm peak production in year 1989 (22 100 tons of ffb)
Rubber peak production in year 1994 (1 100 tons of drc)
Cocoa peak production in year 1986 (110 tons of dbe)
Rice peak production in year 1985 (220 tons of padi)

NET REQUIREMENTS OF FOREIGN EXCHANGE YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

LINKS

LINKS TO OTHER PROJECTS AND DEVELOPMENT PACKAGES

NO: 10	NAME: Telabit Rural Development
NO: 19	NAME: Bukit Peninjau Road Based Improvement Project
NO:	NAME:
NO:	NAME:
NO:	NAME:
NO:	NAME:
NO:	NAME:

FINANCING

POSSIBILITIES OF FINANCING:

1: FEDERAL GOVERNMENT		2: STATE GOVERNMENT	
3: LOCAL GOVERNMENT		4: STATUTORY BODIES	✓
5: PUBLIC FUNDS		6: PRIVATE DOMESTIC SAVINGS	
7: PRIVATE FOREIGN LOANS		8: PUBLIC FOREIGN LOANS	

REFERENCES

REFERENCES:

1: Supporting Report 2, Part II
2:
3:
4:
5:

IDENTIFICATION

PROJECT NUMBER: 240 SECTOR: AGRICULTURE

DEPARTMENT — PLANNING: SLDB; IMPLEMENTATION: SLDB; BUGET: SLDB

NAME OF PROJECT: Management SLDB - Telabit Area

CONTENTS

DESCRIPTION: SLDB management of 4 165 acres of cropped land

COSTS AND REVENUES (1973 PRICES)

TOTAL INVESTMENT COSTS: $82 000 INVESTMENT PERIOD: 1979 to 1980

INVESTMENT YEAR BY YEAR: $'000

1: $10	2: $72	3:	4:	5:
6:	7:	8:	9:	10:

OPERATING COSTS YEAR BY YEAR: $'000

1: $7	2: $75	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

REVENUES YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

SHORT DESCRIPTION OF POSSIBLE ECONOMIES OF SCALE CONCERNING INVESTMENT AND OPERATION COSTS

UNIT (OR ITEM) COSTS AND UNIT (OR ITEM) REVENUES:

DERIVED EFFECTS OF IMPLEMENTING THE PROJECT

MAIN EFFECTS ON THE ENVIRONMENT: 268 farms benefited

EMPLOYMENT:

YEAR	CONSTRUCTION				OPERATION			
	PROFESSIONALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL	PROFESSIONALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL
1979					1			1
1980					11			11

INPUT OTHER THAN LABOUR: CONSTRUCTION (C), OPERATION (O)

YEARLY PRODUCTION:

NET REQUIREMENTS OF FOREIGN EXCHANGE YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

LINKS

LINKS TO OTHER PROJECTS AND DEVELOPMENT PACKAGES

NO: 10	NAME: Telabit Rural Development
NO:	NAME:
NO:	NAME:
NO:	NAME:
NO:	NAME:
NO:	NAME:
NO:	NAME:

FINANCING

POSSIBILITIES OF FINANCING:

1: FEDERAL GOVERNMENT		2: STATE GOVERNMENT	
3: LOCAL GOVERNMENT		4: STATUTORY BODIES	✓
5: PUBLIC FUNDS		6: PRIVATE DOMESTIC SAVINGS	
7: PRIVATE FOREIGN LOANS		8: PUBLIC FOREIGN LOANS	

REFERENCES

REFERENCES:

1: Supporting Report 2, Part III
2:
3:
4:
5:

IDENTIFICATION

PROJECT NUMBER: 241 SECTOR: AGRICULTURE

DEPARTMENT — PLANNING: AGRICULTURE; IMPLEMENTATION: ADU; BUGET: AGRICULTURE

NAME OF PROJECT: Management ADU - Lamaus (Public and RBD)

CONTENTS

DESCRIPTION: ADU management

Quarters by 1980
2 Class B
9 Class C
9 Class D

COSTS AND REVENUES (1973 PRICES)

TOTAL INVESTMENT COSTS: $413 000 INVESTMENT PERIOD: 1979 to 1980

INVESTMENT YEAR BY YEAR: $'000

1: $403	2: $10	3:	4:	5:
6:	7:	8:	9:	10:

OPERATING COSTS YEAR BY YEAR: $'000

1: $93	2: $103	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

REVENUES YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

SHORT DESCRIPTION OF POSSIBLE ECONOMIES OF SCALE CONCERNING INVESTMENT AND OPERATION COSTS

UNIT (OR ITEM) COSTS AND UNIT (OR ITEM) REVENUES:

DERIVED EFFECTS OF IMPLEMENTING THE PROJECT

MAIN EFFECTS ON THE ENVIRONMENT: 32 farmers and 331 farms benefited

EMPLOYMENT:

YEAR	CONSTRUCTION				OPERATION			
	PROFESSIONALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL	PROFESSIONALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL
1979					19			19
1980					20			20

INPUT OTHER THAN LABOUR: CONSTRUCTION (C), OPERATION (O)

YEARLY PRODUCTION:

NET REQUIREMENTS OF FOREIGN EXCHANGE YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

LINKS

LINKS TO OTHER PROJECTS AND DEVELOPMENT PACKAGES

NO: 8	NAME: Lamaus Rural Development
NO:	NAME:
NO:	NAME:
NO:	NAME:
NO:	NAME:
NO:	NAME:
NO:	NAME:

FINANCING

POSSIBILITIES OF FINANCING:

1: FEDERAL GOVERNMENT	[ ]	2: STATE GOVERNMENT	[ ]
3: LOCAL GOVERNMENT	[ ]	4: STATUTORY BODIES	[ ]
5: PUBLIC FUNDS	[✓]	6: PRIVATE DOMESTIC SAVINGS	[ ]
7: PRIVATE FOREIGN LOANS	[ ]	8: PUBLIC FOREIGN LOANS	[ ]

REFERENCES

REFERENCES:

1: Supporting Report 2, Part III
2:
3:
4:
5:

IDENTIFICATION

PROJECT NUMBER: 242 SECTOR: AGRICULTURE

DEPARTMENT

PLANNING: ADU
IMPLEMENTATION: PRIVATE
BUGET: PRIVATE

NAME OF PROJECT: Clearing, planting and operating - Galasah Road Based Improvement Scheme

CONTENTS

DESCRIPTION: Clearing, planting and operating of 1 155 acres
(Planting commences in 1980 and finishes in 1982)

Oil palm - 395 acres
Rubber - 465 acres
Cocoa - 95 acres
Rice - 85 acres
Other crops - 115 acres

50 farmers

COSTS AND REVENUES (1977) PRICES)

TOTAL INVESTMENT COSTS: $851 000
(1979 to 1980 - $197 000)

INVESTMENT PERIOD: 1979 to 1988

INVESTMENT YEAR BY YEAR: $'000

1: $32	2: $165	3: $190	4: $222	5: $101
6: $53	7: $39	8: $28	9: $16	10: $5

OPERATING COSTS YEAR BY YEAR: $'000

1:	2:	3: $99	4: $39	5: $89
6: $131	7: $160	8: $196	9: $230	10: $271
11: $283	12: $283	13: $283	14: $283	15: $283
16: $283	17: $283	18: $283	19: $283	20: $283

REVENUES YEAR BY YEAR: $'000

1:	2:	3: $14	4: $28	5: $90
6: $154	7: $246	8: $333	9: $410	10: $465
11: $491	12: $491	13: $491	14: $491	15: $491
16: $491	17: $491	18: $491	19: $491	20: $491

SHORT DESCRIPTION OF POSSIBLE ECONOMIES OF SCALE CONCERNING INVESTMENT AND OPERATION COSTS

UNIT (OR ITEM) COSTS AND UNIT (OR ITEM) REVENUES:

Refer Bukit Peninjau Road Based Improvement Scheme

DERIVED EFFECTS OF IMPLEMENTING THE PROJECT

MAIN EFFECTS ON THE ENVIRONMENT: 50 farmers benefited by 1982

EMPLOYMENT:

YEAR	CONSTRUCTION				OPERATION			
	PROFESSIONALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL	PROFESSIONALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL
			Field workers					
1979			50					
1980			70					
1981			100					

INPUT OTHER THAN LABOUR: CONSTRUCTION (C), OPERATION (O)

Refer Bukit Peninjau Road Based Improvement Scheme

YEARLY PRODUCTION:
Oil palm peak production in year 1990 (3 000 tons of ffb)
Rubber peak production in year 1995 (320 tons of drc)
Cocoa peak production in year 1988 (50 tons of dbe)
Rice peak production in year 1986 (100 tons of padi)

NET REQUIREMENTS OF FOREIGN EXCHANGE YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

LINKS

LINKS TO OTHER PROJECTS AND DEVELOPMENT PACKAGES

NO: 6	NAME: Galasah Rural Development
NO: 19	NAME: Bukit Peninjau Road Based Improvement Project
NO:	NAME:
NO:	NAME:
NO:	NAME:
NO:	NAME:
NO:	NAME:

FINANCING

POSSIBILITIES OF FINANCING:

1: FEDERAL GOVERNMENT		2: STATE GOVERNMENT	
3: LOCAL GOVERNMENT		4: STATUTORY BODIES	
5: PUBLIC FUNDS		6: PRIVATE DOMESTIC SAVINGS	✓
7: PRIVATE FOREIGN LOANS		8: PUBLIC FOREIGN LOANS	

REFERENCES

REFERENCES:

1: Supporting Report 2, Part II
2:
3:
4:
5:

IDENTIFICATION

PROJECT NUMBER: 243 SECTOR: AGRICULTURE

DEPARTMENT — PLANNING: ADU; IMPLEMENTATION: PRIVATE; BUGET: PRIVATE

NAME OF PROJECT: Clearing, planting and operating – Sebanah Road Based Development Area

CONTENTS

DESCRIPTION: Clearing, planting and operating of 1 380 acres (Planting commences in 1980 and finishes in 1981)

Oil palm – 490 acres
Rubber – 560 acres
Cocoa – 110 acres
Rice – 90 acres
Other crops – 130 acres

64 farmers

COSTS AND REVENUES (1973 PRICES)

TOTAL INVESTMENT COSTS: $1 020 000 (1979 to 1980 – $ 377 000) INVESTMENT PERIOD: 1979 to 1987

INVESTMENT YEAR BY YEAR: $'000

1: $60	2: $317	3: $314	4: $135	5: $69
6: $50	7: $42	8: $26	9: $7	10:

OPERATING COSTS YEAR BY YEAR: $'000

1:	2:	3: $19	4: $76	5: $152
6: $188	7: $196	8: $259	9: $323	10: $338
11: $338	12: $338	13: $338	14: $338	15: $338
16: $338	17: $338	18: $338	19: $338	20: $338

REVENUES YEAR BY YEAR: $'000

1:	2:	3: $26	4: $56	5: $145
6: $260	7: $351	8: $458	9: $554	10: $586
11: $586	12: $586	13: $586	14: $586	15: $586
16: $586	17: $586	18: $586	19: $586	20: $586

SHORT DESCRIPTION OF POSSIBLE ECONOMIES OF SCALE CONCERNING INVESTMENT AND OPERATION COSTS

UNIT (OR ITEM) COSTS AND UNIT (OR ITEM) REVENUES:

Refer Bukit Peninjau Road Based Improvement Scheme

DERIVED EFFECTS OF IMPLEMENTING THE PROJECT

MAIN EFFECTS ON THE ENVIRONMENT: 64 farmers benefited

EMPLOYMENT:

YEAR	CONSTRUCTION				OPERATION			
	PROFESSIONALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL	PROFESSIONALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL
			Field workers					
1979			100					
1980			128					
1981			128					

INPUT OTHER THAN LABOUR: CONSTRUCTION (C), OPERATION (O)

Refer Bukit Peninjau Road Based Improvement Scheme

YEARLY PRODUCTION:
Oil palm peak production in year 1989 (3 800 tons of ffb)
Rubber peak production in year 1995 (380 tons of drc)
Cocoa peak production in year 1986 (60 tons of dbe)
Rice peak production in year 1985 (110 tons of padi)

NET REQUIREMENTS OF FOREIGN EXCHANGE YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

LINKS

LINKS TO OTHER PROJECTS AND DEVELOPMENT PACKAGES

NO: 7 NAME: Sebanah Rural Development
NO: 19 NAME: Bukit Peninjau Road Based Improvement Project
NO: NAME:
NO: NAME:
NO: NAME:
NO: NAME:
NO: NAME:

FINANCING

POSSIBILITIES OF FINANCING:

1: FEDERAL GOVERNMENT		2: STATE GOVERNMENT	
3: LOCAL GOVERNMENT		4: STATUTORY BODIES	
5: PUBLIC FUNDS		6: PRIVATE DOMESTIC SAVINGS	✓
7: PRIVATE FOREIGN LOANS		8: PUBLIC FOREIGN LOANS	

REFERENCES

REFERENCES:

1: Supporting Report 2, Part II
2:
3:
4:
5:

IDENTIFICATION

PROJECT NUMBER: 244 SECTOR: AGRICULTURE

DEPARTMENT

PLANNING: PRIVATE
IMPLEMENTATION: PRIVATE
BUGET: PRIVATE

NAME OF PROJECT: Clearing, planting and operating - Sebanah (Private) Area

CONTENTS

DESCRIPTION: Niah-Suai and Sekudong RDA Private Investor
Clearing, planting and operating of 1 100 acres
(Planting commences in 1980 and finishes in 1982)

Oil palm - 770 acres
Rubber - 220 acres
Cocoa - 70 acres
Rice - 40 acres

COSTS AND REVENUES (1973 PRICES)

TOTAL INVESTMENT COSTS: $991 000 (1979 to 1980- $228 000)

INVESTMENT PERIOD: 1979 to 1988

INVESTMENT YEAR BY YEAR: $'000

1: $36	2: $192	3: $251	4: $268	5: $119
6: $67	7: $25	8: $19	9: $12	10: $2

OPERATING COSTS YEAR BY YEAR: $'000

1:	2:	3: $2	4: $50	5: $126
6: $203	7: $228	8: $239	9: $249	10: $267
11: $270	12: $270	13: $270	14: $270	15: $270
16: $270	17: $270	18: $270	19: $270	20: $270

REVENUES YEAR BY YEAR: $'000

1:	2:	3: $3	4: $17	5: $93
6: $216	7: $362	8: $471	9: $543	10: $583
11: $598	12: $598	13: $598	14: $598	15: $598
16: $598	17: $598	18: $598	19: $598	20: $598

SHORT DESCRIPTION OF POSSIBLE ECONOMIES OF SCALE CONCERNING INVESTMENT AND OPERATION COSTS

UNIT (OR ITEM) COSTS AND UNIT (OR ITEM) REVENUES:

Refer Bukit Peninjau Road Based Improvement Scheme

DERIVED EFFECTS OF IMPLEMENTING THE PROJECT

MAIN EFFECTS ON THE ENVIRONMENT: 138 farmers benefited

EMPLOYMENT:

YEAR	CONSTRUCTION				OPERATION			
	PROFESSIONALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL	PROFESSIONALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL
			Field workers				Field workers	
1979			46					
1980			92					
1981			138					
1982			138					
1983			105				33	
1984			69				69	
1985			33				105	
1986			20				116	
1987			10				128	

INPUT OTHER THAN LABOUR: CONSTRUCTION (C), OPERATION (O)

Refer Bukit Peninjau Road Based Improvement Scheme

YEARLY PRODUCTION:
Oil palm peak production in year 1990 (6 900 tons of ffb)
Rubber peak production in year 1995 (180 tons of drc)
Cocoa peak production in year 1987 (50 tons of dbe)
Rice peak production in year 1986 (50 tons of padi)

NET REQUIREMENTS OF FOREIGN EXCHANGE YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

LINKS

LINKS TO OTHER PROJECTS AND DEVELOPMENT PACKAGES

NO: 7	NAME: Sebanah Rural Development
NO: 19	NAME: Bukit Peninjau Road Based Improvement Project
NO:	NAME:
NO:	NAME:
NO:	NAME:
NO:	NAME:
NO:	NAME:

FINANCING

POSSIBILITIES OF FINANCING:

1: FEDERAL GOVERNMENT		2: STATE GOVERNMENT	
3: LOCAL GOVERNMENT		4: STATUTORY BODIES	
5: PUBLIC FUNDS		6: PRIVATE DOMESTIC SAVINGS	✓
7: PRIVATE FOREIGN LOANS		8: PUBLIC FOREIGN LOANS	

REFERENCES

REFERENCES:

1: Supporting Report 2, Part II
2:
3:
4:
5:

IDENTIFICATION

PROJECT NUMBER: 245 SECTOR: AGRICULTURE

DEPARTMENT — PLANNING: / IMPLEMENTATION: / BUGET: — PRIVATE

NAME OF PROJECT: Clearing, planting and operating - Beseduan and Lebus

CONTENTS

DESCRIPTION: Tubau RDA
Clearing, planting and operating of 11 790 acres
(Planting commences in 1980 and finishes in 1983)

Rubber - 8 255 acres
Cocoa - 3 535 acres

COSTS AND REVENUES (1973 PRICES)

TOTAL INVESTMENT COSTS: $13 464 000 (1979 to 1980- $ 1 765 000) INVESTMENT PERIOD: 1979 to 1989

INVESTMENT YEAR BY YEAR: $'000

1: $287	2: $1 478	3: $2 013	4: $2 604	5: $2 544
6: $1 545	7: $1 296	8: $762	9: $535	10: $343
11: $57				

OPERATING COSTS YEAR BY YEAR: $'000

1:	2:	3:	4:	5: $199
6: $432	7: $895	8: $1 359	9: $1 981	10: $2 568
11: $3 126	12: $3 281	13: $3 281	14: $3 281	15: $3 281
16: $3 281	17: $3 281	18: $3 281	19: $3 281	20: $3 281

REVENUES YEAR BY YEAR: $'000

1:	2:	3:	4:	5: $200
6: $594	7: $1 185	8: $2 243	9: $3 402	10: $4 369
11: $5 138	12: $5 440	13: $5 440	14: $5 440	15: $5 440
16: $5 440	17: $5 440	18: $5 440	19: $5 440	20: $5 440

SHORT DESCRIPTION OF POSSIBLE ECONOMIES OF SCALE CONCERNING INVESTMENT AND OPERATION COSTS

UNIT (OR ITEM) COSTS AND UNIT (OR ITEM) REVENUES:

Refer Bukit Peninjau Road Based Improvement Scheme

DERIVED EFFECTS OF IMPLEMENTING THE PROJECT

MAIN EFFECTS ON THE ENVIRONMENT: 1 180 farmers benefited

EMPLOYMENT:

YEAR	CONSTRUCTION				OPERATION			
	PROFESSIONALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL	PROFESSIONALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL
			Field workers				Field workers	
1979			295					
1980			590					
1981			885					
1982			1 180					
1983			1 180					
1984			1 092				88	
1985			1 004				176	

INPUT OTHER THAN LABOUR: CONSTRUCTION (C), OPERATION (O)

Refer Bukit Peninjau Road Based Improvement Scheme

YEARLY PRODUCTION: Rubber peak production in year 1995 (6 500 tons of drc)
Cocoa peak production in year 1988 (2 370 tons of dbe)

NET REQUIREMENTS OF FOREIGN EXCHANGE YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

LINKS

LINKS TO OTHER PROJECTS AND DEVELOPMENT PACKAGES

NO: 17	NAME: Beseduan - Lebus Rural Development
NO: 19	NAME: Bukit Peninjau Road Based Improvement Project
NO:	NAME:
NO:	NAME:
NO:	NAME:
NO:	NAME:
NO:	NAME:

FINANCING

POSSIBILITIES OF FINANCING:

1: FEDERAL GOVERNMENT		2: STATE GOVERNMENT	
3: LOCAL GOVERNMENT		4: STATUTORY BODIES	
5: PUBLIC FUNDS		6: PRIVATE DOMESTIC SAVINGS	✓
7: PRIVATE FOREIGN LOANS		8: PUBLIC FOREIGN LOANS	

REFERENCES

REFERENCES:

1: Supporting Report 2, Part II
2:
3:
4:
5:

IDENTIFICATION

PROJECT NUMBER: 246 SECTOR: AGRICULTURE

DEPARTMENT: PLANNING: / IMPLEMENTATION: / BUDGET: } PRIVATE

NAME OF PROJECT: Management Private - Beseduan and Lebus

CONTENTS

DESCRIPTION: Private management of 15 130 acres of cropped area - Beseduan and Lebus

Rubber - 10 895 acres
Cocoa - 4 235 acres

COSTS AND REVENUES (1973 PRICES)

TOTAL INVESTMENT COSTS: $456 000 INVESTMENT PERIOD: 1979 to 1980

INVESTMENT YEAR BY YEAR: $'000

1: $74	2: $382	3:	4:	5:
6:	7:	8:	9:	10:

OPERATING COSTS YEAR BY YEAR: $'000

1: $63	2: $280	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

REVENUES YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

SHORT DESCRIPTION OF POSSIBLE ECONOMIES OF SCALE CONCERNING INVESTMENT AND OPERATION COSTS

UNIT (OR ITEM) COSTS AND UNIT (OR ITEM) REVENUES:

DERIVED EFFECTS OF IMPLEMENTING THE PROJECT

MAIN EFFECTS ON THE ENVIRONMENT: 1 444 farmers benefited

EMPLOYMENT:

YEAR	CONSTRUCTION				OPERATION			
	PROFESSIONALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL	PROFESSIONALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL
1979					14			14
1980					34			34

INPUT OTHER THAN LABOUR: CONSTRUCTION (C), OPERATION (O)

YEARLY PRODUCTION:

NET REQUIREMENTS OF FOREIGN EXCHANGE YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

LINKS

LINKS TO OTHER PROJECTS AND DEVELOPMENT PACKAGES

NO: 17 NAME: Beseduan - Lebus Rural Development
NO: NAME:
NO: NAME:
NO: NAME:
NO: NAME:
NO: NAME:
NO: NAME:

FINANCING

POSSIBILITIES OF FINANCING:

1: FEDERAL GOVERNMENT		2: STATE GOVERNMENT	
3: LOCAL GOVERNMENT		4: STATUTORY BODIES	
5: PUBLIC FUNDS		6: PRIVATE DOMESTIC SAVINGS	✓
7: PRIVATE FOREIGN LOANS		8: PUBLIC FOREIGN LOANS	

REFERENCES

REFERENCES:

1: Supporting Report 2, Part III
2:
3:
4:
5:

IDENTIFICATION

PROJECT NUMBER: 247 SECTOR: TRANSPORT

DEPARTMENT — PLANNING: / IMPLEMENTATION: / BUGET: — PWD

NAME OF PROJECT: Access road - Beseduan Area

CONTENTS

DESCRIPTION: Improved feeder road standard
Total length - 2 miles
Width of formation - 30 feet
Pavement - 18 feet
Surface - gravel

COSTS AND REVENUES (1973 PRICES)

TOTAL INVESTMENT COSTS: $300 000 INVESTMENT PERIOD: 1979

INVESTMENT YEAR BY YEAR: 1979

1: $300 000	2:	3:	4:	5:
6:	7:	8:	9:	10:

OPERATING COSTS YEAR BY YEAR: 1980

1: $10 000	2: $10 000	3: $10 000	4: $24 000	5: $10 000
6: $10 000	7: $10 000	8: $24 000	9: etc	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

REVENUES YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

SHORT DESCRIPTION OF POSSIBLE ECONOMIES OF SCALE CONCERNING INVESTMENT AND OPERATION COSTS

UNIT (OR ITEM) COSTS AND UNIT (OR ITEM) REVENUES:

1 mile - $150 000

DERIVED EFFECTS OF IMPLEMENTING THE PROJECT

MAIN EFFECTS ON THE ENVIRONMENT: Links Beseduan with Labang-Tubau road

EMPLOYMENT:

YEAR	CONSTRUCTION				OPERATION			
	PROFESSIONALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL	PROFESSIONALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL
1								2
2								
3								
4								
5								
6								
7								
8								
9								
10								

INPUT OTHER THAN LABOUR: CONSTRUCTION (C), OPERATION (O)

YEARLY PRODUCTION:

NET REQUIREMENTS OF FOREIGN EXCHANGE YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

LINKS

LINKS TO OTHER PROJECTS AND DEVELOPMENT PACKAGES

NO: 17 NAME: Beseduan Rural Development
NO: NAME:
NO: NAME:
NO: NAME:
NO: NAME:
NO: NAME:
NO: NAME:

FINANCING

POSSIBILITIES OF FINANCING:

1: FEDERAL GOVERNMENT		2: STATE GOVERNMENT	✓
3: LOCAL GOVERNMENT		4: STATUTORY BODIES	
5: PUBLIC FUNDS		6: PRIVATE DOMESTIC SAVINGS	
7: PRIVATE FOREIGN LOANS		8: PUBLIC FOREIGN LOANS	

REFERENCES

REFERENCES:

1: Supporting Report 7
2: Supporting Report 6, Part II
3:
4:
5:

IDENTIFICATION

PROJECT NUMBER: 248 SECTOR: TRANSPORT

DEPARTMENT: PLANNING: / IMPLEMENTATION: / BUGET: } PWD

NAME OF PROJECT: Access road - Lebua

CONTENTS

DESCRIPTION: Feeder road standard
Total length - 6.5 miles

Width of formation - 28 feet
Pavement - 14 feet
Surface - gravel

COSTS AND REVENUES (1973 PRICES)

TOTAL INVESTMENT COSTS: $780 000 INVESTMENT PERIOD: 1979

INVESTMENT YEAR BY YEAR: 1979

1: $780 000	2:	3:	4:	5:
6:	7:	8:	9:	10:

OPERATING COSTS YEAR BY YEAR: 1980

1: $33 000	2: $33 000	3: $33 000	4: $78 000	5: $33 000
6: $33 000	7: $33 000	8: $78 000	9: etc	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

REVENUES YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

SHORT DESCRIPTION OF POSSIBLE ECONOMIES OF SCALE CONCERNING INVESTMENT AND OPERATION COSTS

UNIT (OR ITEM) COSTS AND UNIT (OR ITEM) REVENUES:
1 mile - $120 000

DERIVED EFFECTS OF IMPLEMENTING THE PROJECT

MAIN EFFECTS ON THE ENVIRONMENT: Links up Lebua with Beseduan

EMPLOYMENT:

YEAR	CONSTRUCTION				OPERATION			
	PROFESSIONALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL	PROFESSIONALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL
1								
2								5
3								
4								
5								
6								
7								
8								
9								
10								

INPUT OTHER THAN LABOUR: CONSTRUCTION (C), OPERATION (O)

YEARLY PRODUCTION:

NET REQUIREMENTS OF FOREIGN EXCHANGE YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

LINKS

LINKS TO OTHER PROJECTS AND DEVELOPMENT PACKAGES

NO: 17	NAME: Beseduan Lebua Rural Development
NO:	NAME:
NO:	NAME:
NO:	NAME:
NO:	NAME:
NO:	NAME:
NO:	NAME:

FINANCING

POSSIBILITIES OF FINANCING:

1: FEDERAL GOVERNMENT	☐	2: STATE GOVERNMENT	☑
3: LOCAL GOVERNMENT	☐	4: STATUTORY BODIES	☐
5: PUBLIC FUNDS	☐	6: PRIVATE DOMESTIC SAVINGS	☐
7: PRIVATE FOREIGN LOANS	☐	8: PUBLIC FOREIGN LOANS	☐

REFERENCES

REFERENCES:

1: Supporting Report 7
2: Supporting Report 6, Part II
3:
4:
5:

IDENTIFICATION

PROJECT NUMBER: 249 SECTOR: TRANSPORT

DEPARTMENT: PLANNING: / IMPLEMENTATION: / BUGET: } PWD

NAME OF PROJECT: Miri-Bintulu road - Paroh road

CONTENTS

DESCRIPTION: Improved feeder road standard
Total length - 10 miles

Width of formation - 30 feet
Pavement - 18 feet
Surface - gravel

COSTS AND REVENUES (1973 PRICES)

TOTAL INVESTMENT COSTS: $1 500 000 INVESTMENT PERIOD: 1979 to 1980

INVESTMENT YEAR BY YEAR: 1979

1: $1 200 000	2: $300 000	3:	4:	5:
6:	7:	8:	9:	10:

OPERATING COSTS YEAR BY YEAR: 1981

1: $50 000	2: $50 000	3: $50 000	4: $120 000	5: $50 000
6: $50 000	7: $50 000	8: $120 000	9: etc	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

REVENUES YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

SHORT DESCRIPTION OF POSSIBLE ECONOMIES OF SCALE CONCERNING INVESTMENT AND OPERATION COSTS

UNIT (OR ITEM) COSTS AND UNIT (OR ITEM) REVENUES:

1 mile - $150 000

DERIVED EFFECTS OF IMPLEMENTING THE PROJECT

MAIN EFFECTS ON THE ENVIRONMENT: Links Paroh with the whole road network

EMPLOYMENT:

YEAR	CONSTRUCTION				OPERATION			
	PROFESSIO-NALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL	PROFESSIO-NALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL
1								6
2								
3								
4								
5								
6								
7								
8								
9								
10								

INPUT OTHER THAN LABOUR: CONSTRUCTION (C), OPERATION (O)

YEARLY PRODUCTION:

NET REQUIREMENTS OF FOREIGN EXCHANGE YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

LINKS

LINKS TO OTHER PROJECTS AND DEVELOPMENT PACKAGES

NO: 24	NAME: Miri-Bintulu Road Rural Development and Labang Timber Complex
NO:	NAME:
NO:	NAME:
NO:	NAME:
NO:	NAME:
NO:	NAME:
NO:	NAME:

FINANCING

POSSIBILITIES OF FINANCING:

1: FEDERAL GOVERNMENT		2: STATE GOVERNMENT	✓
3: LOCAL GOVERNMENT		4: STATUTORY BODIES	
5: PUBLIC FUNDS		6: PRIVATE DOMESTIC SAVINGS	✓
7: PRIVATE FOREIGN LOANS		8: PUBLIC FOREIGN LOANS	

REFERENCES

REFERENCES:

1: Supporting Report 7
2: Supporting Report 6, Part II
3:
4:
5:

IDENTIFICATION

PROJECT NUMBER: 250 SECTOR: TRANSPORT

DEPARTMENT: PLANNING: / IMPLEMENTATION: / BUGET: } PWD

NAME OF PROJECT: Timong-Nyal road

CONTENTS

DESCRIPTION: Improved feeder road standard
Total length - 14.4 miles

Width of formation - 30 feet
Pavement - 18 feet
Surface - gravel

COSTS AND REVENUES (1973 PRICES)

TOTAL INVESTMENT COSTS: $2 160 000 INVESTMENT PERIOD: 1979 to 1980

INVESTMENT YEAR BY YEAR: 1979

1: $960 000	2: $120 000	3:	4:	5:
6:	7:	8:	9:	10:

OPERATING COSTS YEAR BY YEAR: 1981

1: $72 000	2: $72 000	3: $72 000	4: $173 000	5: $72 000
6: $72 000	7: $72 000	8: $173 000	9: etc	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

REVENUES YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

SHORT DESCRIPTION OF POSSIBLE ECONOMIES OF SCALE CONCERNING INVESTMENT AND OPERATION COSTS

UNIT (OR ITEM) COSTS AND UNIT (OR ITEM) REVENUES:

1 mile - $150 000

DERIVED EFFECTS OF IMPLEMENTING THE PROJECT

MAIN EFFECTS ON THE ENVIRONMENT: Links up Timong with Nyalau and the whole road network system

EMPLOYMENT:

YEAR	CONSTRUCTION				OPERATION			
	PROFESSIO-NALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL	PROFESSIO-NALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL
1								
2								
3								
4								
5								
6								
7								
8								
9								
10								

INPUT OTHER THAN LABOUR: CONSTRUCTION (C), OPERATION (O)

YEARLY PRODUCTION:

NET REQUIREMENTS OF FOREIGN EXCHANGE YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

LINKS

LINKS TO OTHER PROJECTS AND DEVELOPMENT PACKAGES

NO: 24	NAME: Labang Timber Complex
NO:	NAME:
NO:	NAME:
NO:	NAME:
NO:	NAME:
NO:	NAME:
NO:	NAME:

FINANCING

POSSIBILITIES OF FINANCING:

1: FEDERAL GOVERNMENT	☐	2: STATE GOVERNMENT	✓
3: LOCAL GOVERNMENT	☐	4: STATUTORY BODIES	☐
5: PUBLIC FUNDS	☐	6: PRIVATE DOMESTIC SAVINGS	✓
7: PRIVATE FOREIGN LOANS	☐	8: PUBLIC FOREIGN LOANS	☐

REFERENCES

REFERENCES:

1: Supporting Report 7
2: Supporting Report 6, Part II
3:
4:
5:

IDENTIFICATION

PROJECT NUMBER: 251 SECTOR: TRANSPORT

DEPARTMENT — PLANNING:) IMPLEMENTATION:) BUGET:) PWD

NAME OF PROJECT: Sigrak-Takan road

CONTENTS

DESCRIPTION: Improved feeder road
Total length - 4 miles

Width of formation - 30 feet
Pavement - 18 feet
Surface - gravel

COSTS AND REVENUES (1973 PRICES)

TOTAL INVESTMENT COSTS: $600 000 INVESTMENT PERIOD: 1979

INVESTMENT YEAR BY YEAR: 1979

1: $600 000	2:	3:	4:	5:
6:	7:	8:	9:	10:

OPERATING COSTS YEAR BY YEAR: 1980

1: $20 000	2: $20 000	3: $20 000	4: $48 000	5: $20 000
6: $20 000	7: $20 000	8: $48 000	9: etc	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

REVENUES YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

SHORT DESCRIPTION OF POSSIBLE ECONOMIES OF SCALE CONCERNING INVESTMENT AND OPERATION COSTS

UNIT (OR ITEM) COSTS AND UNIT (OR ITEM) REVENUES:

1 mile - $150 000

DERIVED EFFECTS OF IMPLEMENTING THE PROJECT

MAIN EFFECTS ON THE ENVIRONMENT: Links Sigrak and Takau and the surrounding agricultural areas

EMPLOYMENT:

YEAR	CONSTRUCTION				OPERATION			
	PROFESSIO-NALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL	PROFESSIO-NALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL
1								3
2								
3								
4								
5								
6								
7								
8								
9								
10								

INPUT OTHER THAN LABOUR: CONSTRUCTION (C), OPERATION (O)

YEARLY PRODUCTION:

NET REQUIREMENTS OF FOREIGN EXCHANGE YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

LINKS

LINKS TO OTHER PROJECTS AND DEVELOPMENT PACKAGES

NO: 27	NAME: Bintulu Timber Complex
NO:	NAME:
NO:	NAME:
NO:	NAME:
NO:	NAME:
NO:	NAME:
NO:	NAME:

FINANCING

POSSIBILITIES OF FINANCING:

1: FEDERAL GOVERNMENT		2: STATE GOVERNMENT	✓
3: LOCAL GOVERNMENT		4: STATUTORY BODIES	
5: PUBLIC FUNDS		6: PRIVATE DOMESTIC SAVINGS	✓
7: PRIVATE FOREIGN LOANS		8: PUBLIC FOREIGN LOANS	

REFERENCES

REFERENCES:

1: Supporting Report 7
2: Supporting Report 6, Part II
3:
4:
5:

IDENTIFICATION

PROJECT NUMBER: 252 SECTOR: PUBLIC SERVICES

DEPARTMENT — PLANNING: SPU; IMPLEMENTATION: PWD; BUGET: SPU

NAME OF PROJECT: Mosque - Miri

CONTENTS

DESCRIPTION: Provisional estimate of costs, employment and investment period.

COSTS AND REVENUES (1973 PRICES)

TOTAL INVESTMENT COSTS: $1 000 000 INVESTMENT PERIOD: 1979 to 1980

INVESTMENT YEAR BY YEAR:

1: $500 000	2: $500 000	3:	4:	5:
6:	7:	8:	9:	10:

OPERATING COSTS YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

REVENUES YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

SHORT DESCRIPTION OF POSSIBLE ECONOMIES OF SCALE CONCERNING INVESTMENT AND OPERATION COSTS

UNIT (OR ITEM) COSTS AND UNIT (OR ITEM) REVENUES:

DERIVED EFFECTS OF IMPLEMENTING THE PROJECT

MAIN EFFECTS ON THE ENVIRONMENT:

EMPLOYMENT:

YEAR	CONSTRUCTION				OPERATION			
	PROFESSIO-NALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL	PROFESSIO-NALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL
1								
2								5
3								
4								
5								
6								
7								
8								
9								
10								

INPUT OTHER THAN LABOUR: CONSTRUCTION (C), OPERATION (O)

YEARLY PRODUCTION:

NET REQUIREMENTS OF FOREIGN EXCHANGE YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

LINKS

LINKS TO OTHER PROJECTS AND DEVELOPMENT PACKAGES

NO: 1	NAME: Miri Town Development
NO:	NAME:
NO:	NAME:
NO:	NAME:
NO:	NAME:
NO:	NAME:
NO:	NAME:

FINANCING

POSSIBILITIES OF FINANCING:

1: FEDERAL GOVERNMENT	✓	2: STATE GOVERNMENT	
3: LOCAL GOVERNMENT		4: STATUTORY BODIES	
5: PUBLIC FUNDS		6: PRIVATE DOMESTIC SAVINGS	
7: PRIVATE FOREIGN LOANS		8: PUBLIC FOREIGN LOANS	

REFERENCES

REFERENCES:

1:
2:
3:
4:
5:

IDENTIFICATION

PROJECT NUMBER: 253 SECTOR: PUBLIC SERVICES

DEPARTMENT
PLANNING: EDUCATION
IMPLEMENTATION: PWD
BUGET: EDUCATION

NAME OF PROJECT: Vocational School - Bintulu

CONTENTS

DESCRIPTION: Vocational School for 300 students covering subjects like mechanical engineering, electrical installation, automotive engineering, welding and commerce.

COSTS AND REVENUES (1973 PRICES)

TOTAL INVESTMENT COSTS: $1 527 000 INVESTMENT PERIOD: 1979 to 1980

INVESTMENT YEAR BY YEAR:

1: $750 000	2: $777 000	3:	4:	5:
6:	7:	8:	9:	10:

OPERATING COSTS YEAR BY YEAR: 1981 +

1: $150 000	2: etc	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

REVENUES YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

SHORT DESCRIPTION OF POSSIBLE ECONOMIES OF SCALE CONCERNING INVESTMENT AND OPERATION COSTS

UNIT (OR ITEM) COSTS AND UNIT (OR ITEM) REVENUES:

Refer Supporting Report 5

DERIVED EFFECTS OF IMPLEMENTING THE PROJECT

MAIN EFFECTS ON THE ENVIRONMENT:

EMPLOYMENT: 1981

YEAR	CONSTRUCTION				OPERATION			
	PROFESSIO-NALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL	PROFESSIO-NALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL
1								25
2								
3								
4								
5								
6								
7								
8								
9								
10								

INPUT OTHER THAN LABOUR: CONSTRUCTION (C), OPERATION (O)

YEARLY PRODUCTION:

NET REQUIREMENTS OF FOREIGN EXCHANGE YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

LINKS

LINKS TO OTHER PROJECTS AND DEVELOPMENT PACKAGES

NO: 2 NAME: Bintulu Town Development
NO: NAME:
NO: NAME:
NO: NAME:
NO: NAME:
NO: NAME:
NO: NAME:

FINANCING

POSSIBILITIES OF FINANCING:

1: FEDERAL GOVERNMENT	✓	2: STATE GOVERNMENT	
3: LOCAL GOVERNMENT		4: STATUTORY BODIES	
5: PUBLIC FUNDS		6: PRIVATE DOMESTIC SAVINGS	
7: PRIVATE FOREIGN LOANS		8: PUBLIC FOREIGN LOANS	

REFERENCES

REFERENCES:

1: Supporting Report 5
2:
3:
4:
5:

IDENTIFICATION

PROJECT NUMBER: 254 SECTOR: PUBLIC UTILITIES

DEPARTMENT: PLANNING: / IMPLEMENTATION: / BUGET: } PWD

NAME OF PROJECT: Sewerage - Ensabang

CONTENTS

DESCRIPTION: Latrines for the general population and septic tanks for the shops and school. The project is only specified for the Action Programme period.

COSTS AND REVENUES (1973 PRICES)

TOTAL INVESTMENT COSTS: $57 000 INVESTMENT PERIOD: 1979 to 1980

INVESTMENT YEAR BY YEAR: 1979

1: $20 000	2: $37 000	3:	4:	5:
6:	7:	8:	9:	10:

OPERATING COSTS YEAR BY YEAR: 1980

1: $1 400	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

REVENUES YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

SHORT DESCRIPTION OF POSSIBLE ECONOMIES OF SCALE CONCERNING INVESTMENT AND OPERATION COSTS

UNIT (OR ITEM) COSTS AND UNIT (OR ITEM) REVENUES:

Latrines at - $ 18 per head
Septic tanks at - $210 per head

DERIVED EFFECTS OF IMPLEMENTING THE PROJECT

MAIN EFFECTS ON THE ENVIRONMENT: Serves a total population of 1 900 by 1980 for the village of Ensabang

EMPLOYMENT:

YEAR	CONSTRUCTION				OPERATION			
	PROFESSIONALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL	PROFESSIONALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL
1								
2								
3								
4								
5								
6								
7								
8								
9								
10								

INPUT OTHER THAN LABOUR: CONSTRUCTION (C), OPERATION (O)

YEARLY PRODUCTION:

NET REQUIREMENTS OF FOREIGN EXCHANGE YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

LINKS

LINKS TO OTHER PROJECTS AND DEVELOPMENT PACKAGES

NO: 9 NAME: Ensabang Rural Development
NO: NAME:
NO: NAME:
NO: NAME:
NO: NAME:
NO: NAME:
NO: NAME:

FINANCING

POSSIBILITIES OF FINANCING:

1: FEDERAL GOVERNMENT		2: STATE GOVERNMENT	✓
3: LOCAL GOVERNMENT		4: STATUTORY BODIES	
5: PUBLIC FUNDS		6: PRIVATE DOMESTIC SAVINGS	
7: PRIVATE FOREIGN LOANS		8: PUBLIC FOREIGN LOANS	

REFERENCES

REFERENCES:

1: Supporting Report 5
2: Supporting Report 6, Part III
3:
4:
5:

IDENTIFICATION

PROJECT NUMBER: 255 SECTOR: AGRICULTURE

DEPARTMENT — PLANNING: AGRICULTURE; IMPLEMENTATION: ADU; BUGET: AGRICULTURE

NAME OF PROJECT: Management ADU - Ensabang Road Based Improvement Scheme

CONTENTS

DESCRIPTION: Quarters by 1980
2 Class B
8 Class C
8 Class D

COSTS AND REVENUES (1973 PRICES)

TOTAL INVESTMENT COSTS: $390 000 INVESTMENT PERIOD: 1980

INVESTMENT YEAR BY YEAR: $'000

1: $390	2:	3:	4:	5:
6:	7:	8:	9:	10:

OPERATING COSTS YEAR BY YEAR: $'000

1: $90	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

REVENUES YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

SHORT DESCRIPTION OF POSSIBLE ECONOMIES OF SCALE CONCERNING INVESTMENT AND OPERATION COSTS

UNIT (OR ITEM) COSTS AND UNIT (OR ITEM) REVENUES:

DERIVED EFFECTS OF IMPLEMENTING THE PROJECT

MAIN EFFECTS ON THE ENVIRONMENT: 16 farmers benefited

EMPLOYMENT:

YEAR	CONSTRUCTION				OPERATION			
	PROFESSIO-NALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL	PROFESSIO-NALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL
1980					18			16

INPUT OTHER THAN LABOUR: CONSTRUCTION (C), OPERATION (O)

YEARLY PRODUCTION:

NET REQUIREMENTS OF FOREIGN EXCHANGE YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

LINKS

LINKS TO OTHER PROJECTS AND DEVELOPMENT PACKAGES

NO: 9	NAME: Ensabang Rural Development
NO:	NAME:
NO:	NAME:
NO:	NAME:
NO:	NAME:
NO:	NAME:
NO:	NAME:

FINANCING

POSSIBILITIES OF FINANCING:

1: FEDERAL GOVERNMENT		2: STATE GOVERNMENT	
3: LOCAL GOVERNMENT		4: STATUTORY BODIES	
5: PUBLIC FUNDS	✓	6: PRIVATE DOMESTIC SAVINGS	
7: PRIVATE FOREIGN LOANS		8: PUBLIC FOREIGN LOANS	

REFERENCES

REFERENCES:

1: Supporting Report 2, Part III
2:
3:
4:
5:

IDENTIFICATION

PROJECT NUMBER: 256 SECTOR: AGRICULTURE

DEPARTMENT

PLANNING: ADU
IMPLEMENTATION: PRIVATE
BUGET: PRIVATE

NAME OF PROJECT: Clearing, planting and operating - Lamaus Road Based Improvement Scheme

CONTENTS

DESCRIPTION: Clearing, planting and operating of 760 acres
(Planting commences in 1981 and finishes in 1982)

Oil palm - 260 acres
Rubber - 310 acres
Cocoa - 60 acres
Rice - 50 acres
Other crops - 80 acres

32 farmers

COSTS AND REVENUES (1973 PRICES)

TOTAL INVESTMENT COSTS: $561 000 (1980 - $ 32 000) INVESTMENT PERIOD: 1980 to 1988

INVESTMENT YEAR BY YEAR: $'000

1: $32	2: $170	3: $177	4: $76	5: $38
6: $27	7: $23	8: $14	9: $4	10:

OPERATING COSTS YEAR BY YEAR: $'000

1:	2:	3: $10	4: $41	5: $83
6: $104	7: $108	8: $141	9: $177	10: $186
11: $186	12: $186	13: $186	14: $186	15: $186
16: $186	17: $186	18: $186	19: $186	20: $186

REVENUES YEAR BY YEAR: $'000

1:	2:	3: $14	4: $30	5: $78
6: $142	7: $192	8: $251	9: $304	10: $323
11: $323	12: $323	13: $323	14: $323	15: $323
16: $323	17: $323	18: $323	19: $323	20: $323

SHORT DESCRIPTION OF POSSIBLE ECONOMIES OF SCALE CONCERNING INVESTMENT AND OPERATION COSTS

UNIT (OR ITEM) COSTS AND UNIT (OR ITEM) REVENUES:

Refer Bukit Peninjau Road Based Improvement Scheme

DERIVED EFFECTS OF IMPLEMENTING THE PROJECT

MAIN EFFECTS ON THE ENVIRONMENT: 32 farmers benefited by 1982

EMPLOYMENT:

YEAR	CONSTRUCTION				OPERATION			
	PROFESSIONALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL	PROFESSIONALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL
			Field workers					
1980			50					
1981			64					

INPUT OTHER THAN LABOUR: CONSTRUCTION (C), OPERATION (O)

Refer Bukit Peninjau Road Based Improvement Scheme

YEARLY PRODUCTION:
Oil palm peak production in year 1990 (2 000 tons of ffb)
Rubber peak production in year 1995 (210 tons of drc)
Cocoa peak production in year 1987 (30 tons of dbe)
Rice peak production in year 1986 (60 tons of padi)

NET REQUIREMENTS OF FOREIGN EXCHANGE YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

LINKS

LINKS TO OTHER PROJECTS AND DEVELOPMENT PACKAGES

NO: 8	NAME: Lamaus Rural Development
NO: 19	NAME: Bukit Peninjau Road Based Improvement Project
NO:	NAME:
NO:	NAME:
NO:	NAME:
NO:	NAME:
NO:	NAME:

FINANCING

POSSIBILITIES OF FINANCING:

1: FEDERAL GOVERNMENT		2: STATE GOVERNMENT	
3: LOCAL GOVERNMENT		4: STATUTORY BODIES	
5: PUBLIC FUNDS		6: PRIVATE DOMESTIC SAVINGS	✓
7: PRIVATE FOREIGN LOANS		8: PUBLIC FOREIGN LOANS	

REFERENCES

REFERENCES:

1: Supporting Report 2, Part II
2:
3:
4:
5:

IDENTIFICATION

PROJECT NUMBER: 257 SECTOR: AGRICULTURE

DEPARTMENT: PLANNING: / IMPLEMENTATION: / BUGET: } PRIVATE

NAME OF PROJECT: Cattle Scheme - Karabungan Private

CONTENTS

DESCRIPTION: 6 125 acres
12 250 head

COSTS AND REVENUES (1973 PRICES)

TOTAL INVESTMENT COSTS: $835 000 INVESTMENT PERIOD: 1980

INVESTMENT YEAR BY YEAR: $'000

1: $835	2:	3:	4:	5:
6:	7:	8:	9:	10:

OPERATING COSTS YEAR BY YEAR: $'000

1: $18	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

REVENUES YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

SHORT DESCRIPTION OF POSSIBLE ECONOMIES OF SCALE CONCERNING INVESTMENT AND OPERATION COSTS

UNIT (OR ITEM) COSTS AND UNIT (OR ITEM) REVENUES:

DERIVED EFFECTS OF IMPLEMENTING THE PROJECT

MAIN EFFECTS ON THE ENVIRONMENT:

EMPLOYMENT:

YEAR	CONSTRUCTION				OPERATION			
	PROFESSIONALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL	PROFESSIONALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL
1980					194			194

INPUT OTHER THAN LABOUR: CONSTRUCTION (C), OPERATION (O)

YEARLY PRODUCTION:

NET REQUIREMENTS OF FOREIGN EXCHANGE YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

LINKS

LINKS TO OTHER PROJECTS AND DEVELOPMENT PACKAGES

NO: 25	NAME: Karabungan Rural Development
NO:	NAME:
NO:	NAME:
NO:	NAME:
NO:	NAME:
NO:	NAME:
NO:	NAME:

FINANCING

POSSIBILITIES OF FINANCING:

1: FEDERAL GOVERNMENT		2: STATE GOVERNMENT	
3: LOCAL GOVERNMENT		4: STATUTORY BODIES	
5: PUBLIC FUNDS		6: PRIVATE DOMESTIC SAVINGS	✓
7: PRIVATE FOREIGN LOANS		8: PUBLIC FOREIGN LOANS	

REFERENCES

REFERENCES:

1: Supporting Report 2, Part V
2:
3:
4:
5:

IDENTIFICATION

PROJECT NUMBER: 258 SECTOR: TRANSPORT

DEPARTMENT — PLANNING: / IMPLEMENTATION: / BUGET: } PWD

NAME OF PROJECT: Ensabang-Batu Niah Road

CONTENTS

DESCRIPTION: Improved feeder road standard
Total length - 4 miles

Width of formation - 30 feet
Pavement - 18 feet
Surface - gravel

COSTS AND REVENUES (1973 PRICES)

TOTAL INVESTMENT COSTS: $600 000 INVESTMENT PERIOD: 1980

INVESTMENT YEAR BY YEAR: 1980

1: $600 000	2:	3:	4:	5:
6:	7:	8:	9:	10:

OPERATING COSTS YEAR BY YEAR: 1981

1: $20 000	2: $20 000	3: $20 000	4: $48 000	5: $20 000
6: $20 000	7: $20 000	8: $48 000	9: etc	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

REVENUES YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

SHORT DESCRIPTION OF POSSIBLE ECONOMIES OF SCALE CONCERNING INVESTMENT AND OPERATION COSTS

UNIT (OR ITEM) COSTS AND UNIT (OR ITEM) REVENUES:

1 mile - $150 000

DERIVED EFFECTS OF IMPLEMENTING THE PROJECT

MAIN EFFECTS ON THE ENVIRONMENT: Links up Ensabang with Batu Niah

EMPLOYMENT:

YEAR	CONSTRUCTION				OPERATION			
	PROFESSIO-NALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL	PROFESSIO-NALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL
1								
2								
3								
4								
5								
6								
7								
8								
9								
10								

INPUT OTHER THAN LABOUR: CONSTRUCTION (C), OPERATION (O)

YEARLY PRODUCTION:

NET REQUIREMENTS OF FOREIGN EXCHANGE YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

LINKS

LINKS TO OTHER PROJECTS AND DEVELOPMENT PACKAGES

NO: 9	NAME: Ensabang Rural Development
NO: 5	NAME: Batu Niah Town Development
NO:	NAME:
NO:	NAME:
NO:	NAME:
NO:	NAME:
NO:	NAME:

FINANCING

POSSIBILITIES OF FINANCING:

1: FEDERAL GOVERNMENT		2: STATE GOVERNMENT	✓
3: LOCAL GOVERNMENT		4: STATUTORY BODIES	
5: PUBLIC FUNDS		6: PRIVATE DOMESTIC SAVINGS	
7: PRIVATE FOREIGN LOANS		8: PUBLIC FOREIGN LOANS	

REFERENCES

REFERENCES:

1: Supporting Report 7
2: Supporting Report 6, Part II
3:
4:
5:

IDENTIFICATION

PROJECT NUMBER: 259 SECTOR: TRANSPORT

DEPARTMENT: PLANNING:) IMPLEMENTATION:) PWD BUGET:)

NAME OF PROJECT: Kawang Road

CONTENTS

DESCRIPTION: Feeder road standard
Total length - 2 miles

Width of formation - 28 feet
Pavement - 14 feet
Surface - gravel

COSTS AND REVENUES (1973 PRICES)

TOTAL INVESTMENT COSTS: $240 000 INVESTMENT PERIOD: 1980

INVESTMENT YEAR BY YEAR: 1980

1: $240 000	2:	3:	4:	5:
6:	7:	8:	9:	10:

OPERATING COSTS YEAR BY YEAR: 1981

1: $10 000	2: $10 000	3: $10 000	4: $24 000	5: $10 000
6: $10 000	7: $10 000	8: $24 000	9: etc	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

REVENUES YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

SHORT DESCRIPTION OF POSSIBLE ECONOMIES OF SCALE CONCERNING INVESTMENT AND OPERATION COSTS

UNIT (OR ITEM) COSTS AND UNIT (OR ITEM) REVENUES:

1 mile - $120 000

DERIVED EFFECTS OF IMPLEMENTING THE PROJECT

MAIN EFFECTS ON THE ENVIRONMENT: Opens up the Kawang area

EMPLOYMENT:

YEAR	CONSTRUCTION				OPERATION			
	PROFESSIO-NALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL	PROFESSIO-NALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL
1								
2								
3								
4								
5								
6								
7								
8								
9								
10								

INPUT OTHER THAN LABOUR: CONSTRUCTION (C), OPERATION (O)

YEARLY PRODUCTION:

NET REQUIREMENTS OF FOREIGN EXCHANGE YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

LINKS

LINKS TO OTHER PROJECTS AND DEVELOPMENT PACKAGES

NO: 24	NAME: Labang Timber Complex
NO:	NAME:
NO:	NAME:
NO:	NAME:
NO:	NAME:
NO:	NAME:

FINANCING

POSSIBILITIES OF FINANCING:

1: FEDERAL GOVERNMENT		2: STATE GOVERNMENT	✓
3: LOCAL GOVERNMENT		4: STATUTORY BODIES	
5: PUBLIC FUNDS		6: PRIVATE DOMESTIC SAVINGS	✓
7: PRIVATE FOREIGN LOANS		8: PUBLIC FOREIGN LOANS	

REFERENCES

REFERENCES:

1: Supporting Report 7
2: Supporting Report 6, Part II
3:
4:
5:

IDENTIFICATION

PROJECT NUMBER: 260 SECTOR: TRANSPORT

DEPARTMENT — PLANNING: / IMPLEMENTATION: / BUGET: } PWD

NAME OF PROJECT: Azang village road

CONTENTS

DESCRIPTION: Feeder road standard
Total length - 2.1 miles

Width of formation - 28 feet
Pavement - 14 feet
Surface - gravel

COSTS AND REVENUES (1973 PRICES)

TOTAL INVESTMENT COSTS: $252 000 INVESTMENT PERIOD: 1960

INVESTMENT YEAR BY YEAR: 1960

1: $252 000	2:	3:	4:	5:
6:	7:	8:	9:	10:

OPERATING COSTS YEAR BY YEAR: 1981

1: $11 000	2: $11 000	3: $11 000	4: $25 000	5: $11 000
6: $11 000	7: $11 000	8: $25 000	9: etc	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

REVENUES YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

SHORT DESCRIPTION OF POSSIBLE ECONOMIES OF SCALE CONCERNING INVESTMENT AND OPERATION COSTS

UNIT (OR ITEM) COSTS AND UNIT (OR ITEM) REVENUES:

1 mile - $120 000

DERIVED EFFECTS OF IMPLEMENTING THE PROJECT

MAIN EFFECTS ON THE ENVIRONMENT: Links up Azang village with the main road network system

EMPLOYMENT:

YEAR	CONSTRUCTION				OPERATION			
	PROFESSIO-NALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL	PROFESSIO-NALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL
1								
2								
3								
4								
5								
6								
7								
8								
9								
10								

INPUT OTHER THAN LABOUR: CONSTRUCTION (C) OPERATION (O)

YEARLY PRODUCTION:

NET REQUIREMENTS OF FOREIGN EXCHANGE YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

LINKS

LINKS TO OTHER PROJECTS AND DEVELOPMENT PACKAGES

NO: 28	NAME: Bintulu Timber Complex
NO:	NAME:
NO:	NAME:
NO:	NAME:
NO:	NAME:
NO:	NAME:

FINANCING

POSSIBILITIES OF FINANCING:

1: FEDERAL GOVERNMENT	☐	2: STATE GOVERNMENT	☑
3: LOCAL GOVERNMENT	☐	4: STATUTORY BODIES	☐
5: PUBLIC FUNDS	☐	6: PRIVATE DOMESTIC SAVINGS	☑
7: PRIVATE FOREIGN LOANS	☐	8: PUBLIC FOREIGN LOANS	☐

REFERENCES

REFERENCES:

1: Supporting Report 7
2: Supporting Report 6, Part II
3:
4:
5:

IDENTIFICATION

PROJECT NUMBER: 261 SECTOR: PUBLIC UTILITIES

DEPARTMENT: PLANNING: / IMPLEMENTATION: / BUGET: — TELECOMS

NAME OF PROJECT: Mera-a Telecoms System

CONTENTS

DESCRIPTION: Supplied at the rate of 10 lines per thousand population
The project is only specified for the Action Programme period.

1 building
1 exchange equipment
VHF
1 Class IV quarter

COSTS AND REVENUES (1973 PRICES)

TOTAL INVESTMENT COSTS: $144 000 INVESTMENT PERIOD: 1980

INVESTMENT YEAR BY YEAR: 1980

1: $144 000	2:	3:	4:	5:
6:	7:	8:	9:	10:

OPERATING COSTS YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

REVENUES YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

SHORT DESCRIPTION OF POSSIBLE ECONOMIES OF SCALE CONCERNING INVESTMENT AND OPERATION COSTS

UNIT (OR ITEM) COSTS AND UNIT (OR ITEM) REVENUES:

	$
Building	30 000
Exchange equipment	30 000
External lines	4 000
Transport and maintenance equipment	20 000
1 Class IV quarter	20 000
VHF	40 000

DERIVED EFFECTS OF IMPLEMENTING THE PROJECT

MAIN EFFECTS ON THE ENVIRONMENT: Serves the Mera-a population of 1 300 by 1980

EMPLOYMENT:

YEAR	CONSTRUCTION				OPERATION			
	PROFESSIO-NALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL	PROFESSIO-NALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL
1								
2								
3								
4								
5								
6								
7								
8								
9								
10								

INPUT OTHER THAN LABOUR: CONSTRUCTION (C), OPERATION (O)

YEARLY PRODUCTION:

NET REQUIREMENTS OF FOREIGN EXCHANGE YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

LINKS

LINKS TO OTHER PROJECTS AND DEVELOPMENT PACKAGES

NO: 3	NAME: Mera-a Rural Development
NO:	NAME:
NO:	NAME:
NO:	NAME:
NO:	NAME:
NO:	NAME:
NO:	NAME:

FINANCING

POSSIBILITIES OF FINANCING:

1: FEDERAL GOVERNMENT		2: STATE GOVERNMENT	✓
3: LOCAL GOVERNMENT		4: STATUTORY BODIES	
5: PUBLIC FUNDS		6: PRIVATE DOMESTIC SAVINGS	
7: PRIVATE FOREIGN LOANS		8: PUBLIC FOREIGN LOANS	

REFERENCES

REFERENCES:

1: Supporting Report 5
2: Supporting Report 6, Part III
3:
4:
5:

IDENTIFICATION

PROJECT NUMBER: 262 SECTOR: PUBLIC UTILITIES

DEPARTMENT: PLANNING: / IMPLEMENTATION: / BUGET: } PWD

NAME OF PROJECT: Sewerage - Labang

CONTENTS

DESCRIPTION: Small community system and septic tanks
The project is only specified for the Action Programme period.

COSTS AND REVENUES (1973 PRICES)

TOTAL INVESTMENT COSTS: $51 000 INVESTMENT PERIOD: 1980

INVESTMENT YEAR BY YEAR: 1980 +

1: $51 000	2: $46 000	3: $47 000	4:	5:
6:	7:	8:	9:	10:

OPERATING COSTS YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

REVENUES YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

SHORT DESCRIPTION OF POSSIBLE ECONOMIES OF SCALE CONCERNING INVESTMENT AND OPERATION COSTS

UNIT (OR ITEM) COSTS AND UNIT (OR ITEM) REVENUES:

	$
Septic tanks per head	210
Community system per head	240

DERIVED EFFECTS OF IMPLEMENTING THE PROJECT

MAIN EFFECTS ON THE ENVIRONMENT: Serves a population of 800

EMPLOYMENT:

YEAR	CONSTRUCTION				OPERATION			
	PROFESSIONALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL	PROFESSIONALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL
1								
2								
3								
4								
5								
6								
7								
8								
9								
10								

INPUT OTHER THAN LABOUR: CONSTRUCTION (C), OPERATION (O)

YEARLY PRODUCTION:

NET REQUIREMENTS OF FOREIGN EXCHANGE YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

LINKS

LINKS TO OTHER PROJECTS AND DEVELOPMENT PACKAGES

NO: 10	NAME: Labang Town Development
NO:	NAME:
NO:	NAME:
NO:	NAME:
NO:	NAME:
NO:	NAME:
NO:	NAME:

FINANCING

POSSIBILITIES OF FINANCING:

1: FEDERAL GOVERNMENT		2: STATE GOVERNMENT	✓
3: LOCAL GOVERNMENT		4: STATUTORY BODIES	
5: PUBLIC FUNDS		6: PRIVATE DOMESTIC SAVINGS	
7: PRIVATE FOREIGN LOANS		8: PUBLIC FOREIGN LOANS	

REFERENCES

REFERENCES:

1: Supporting Report 5
2: Supporting Report 6, Part III
3:
4:
5:

IDENTIFICATION

PROJECT NUMBER: 263 SECTOR: TRANSPORT

DEPARTMENT — PLANNING: / IMPLEMENTATION: / BUGET: — PWD

NAME OF PROJECT: Lambir-Subis roads

CONTENTS

DESCRIPTION: Access roads to the oil palm schemes in Lambir-Subis, Total length - 7.75 miles of feeder roads

COSTS AND REVENUES (1973 PRICES)

TOTAL INVESTMENT COSTS: $775 000 INVESTMENT PERIOD: 1975

INVESTMENT YEAR BY YEAR:

1: $775 000	2:	3:	4:	5:
6:	7:	8:	9:	10:

OPERATING COSTS YEAR BY YEAR: 1976

1: $12 000	2: $12 000	3: $12 000	4: $172 000	5: $12 000
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

REVENUES YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

SHORT DESCRIPTION OF POSSIBLE ECONOMIES OF SCALE CONCERNING INVESTMENT AND OPERATION COSTS

UNIT (OR ITEM) COSTS AND UNIT (OR ITEM) REVENUES:

DERIVED EFFECTS OF IMPLEMENTING THE PROJECT

MAIN EFFECTS ON THE ENVIRONMENT: Access to new oil palm schemes

EMPLOYMENT: 1976

YEAR	CONSTRUCTION				OPERATION			
	PROFESSIO-NALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL	PROFESSIO-NALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL
1								
2								1
3								
4								
5								
6								
7								
8								
9								
10								

INPUT OTHER THAN LABOUR: CONSTRUCTION (C), OPERATION (O)

YEARLY PRODUCTION:

NET REQUIREMENTS OF FOREIGN EXCHANGE YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

LINKS

LINKS TO OTHER PROJECTS AND DEVELOPMENT PACKAGES

NO: 2	NAME: Lambir-Subis North Rural Development
NO: 1	NAME: Lambir-Subis South Rural Development
NO:	NAME:
NO:	NAME:
NO:	NAME:
NO:	NAME:
NO:	NAME:

FINANCING

POSSIBILITIES OF FINANCING:

1: FEDERAL GOVERNMENT		2: STATE GOVERNMENT	✓
3: LOCAL GOVERNMENT		4: STATUTORY BODIES	
5: PUBLIC FUNDS		6: PRIVATE DOMESTIC SAVINGS	
7: PRIVATE FOREIGN LOANS		8: PUBLIC FOREIGN LOANS	

REFERENCES

REFERENCES:

1: Mid-Term Reivew of the Second Malaysia Plan
2: Information given by PWD
3:
4:
5:

IDENTIFICATION

PROJECT NUMBER: 264 SECTOR: PUBLIC UTILITIES

DEPARTMENT: PLANNING: / IMPLEMENTATION: / BUGET: } SESCO

NAME OF PROJECT: Electricity - Labang

CONTENTS

DESCRIPTION: Plant of 60 kW
The project is only specified for the Action Programme period.

COSTS AND REVENUES (1973 PRICES)

TOTAL INVESTMENT COSTS: $120 000 INVESTMENT PERIOD: 1980

INVESTMENT YEAR BY YEAR:

1: $120 000	2:	3:	4:	5:
6:	7:	8:	9:	10:

OPERATING COSTS YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

REVENUES YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

SHORT DESCRIPTION OF POSSIBLE ECONOMIES OF SCALE CONCERNING INVESTMENT AND OPERATION COSTS

UNIT (OR ITEM) COSTS AND UNIT (OR ITEM) REVENUES:

	$
60 kW set	41 000
Distribution, etc.	36 000

DERIVED EFFECTS OF IMPLEMENTING THE PROJECT

MAIN EFFECTS ON THE ENVIRONMENT: Serves a population of 800

EMPLOYMENT: 1979

YEAR	CONSTRUCTION				OPERATION			
	PROFESSIO-NALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL	PROFESSIO-NALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL
1								
2								
3								
4								
5								
6								
7								
8								
9								
10								

INPUT OTHER THAN LABOUR: CONSTRUCTION (C), OPERATION (O)

YEARLY PRODUCTION:

NET REQUIREMENTS OF FOREIGN EXCHANGE YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

LINKS

LINKS TO OTHER PROJECTS AND DEVELOPMENT PACKAGES

NO: 10 NAME: Labang Town Development
NO: NAME:
NO: NAME:
NO: NAME:
NO: NAME:
NO: NAME:
NO: NAME:

FINANCING

POSSIBILITIES OF FINANCING:

1: FEDERAL GOVERNMENT		2: STATE GOVERNMENT	
3: LOCAL GOVERNMENT		4: STATUTORY BODIES	✓
5: PUBLIC FUNDS		6: PRIVATE DOMESTIC SAVINGS	
7: PRIVATE FOREIGN LOANS		8: PUBLIC FOREIGN LOANS	

REFERENCES

REFERENCES:

1: Supporting Report 5
2: Supporting Report 6, Part III
3:
4:
5:

IDENTIFICATION

PROJECT NUMBER: 265 SECTOR: PUBLIC UTILITIES

DEPARTMENT: PLANNING: / IMPLEMENTATION: / BUGET: — SESCO

NAME OF PROJECT: Electricity - Tubau

CONTENTS

DESCRIPTION: Plant of 60 kW
The project is only specified for the Action Programme period.

COSTS AND REVENUES (1973 PRICES)

TOTAL INVESTMENT COSTS: $120 000 INVESTMENT PERIOD: 1980

INVESTMENT YEAR BY YEAR:

1: $120 000	2:	3:	4:	5:
6:	7:	8:	9:	10:

OPERATING COSTS YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

REVENUES YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

SHORT DESCRIPTION OF POSSIBLE ECONOMIES OF SCALE CONCERNING INVESTMENT AND OPERATION COSTS

UNIT (OR ITEM) COSTS AND UNIT (OR ITEM) REVENUES:

	$
60 kW set	41 000
Distribution, etc.	36 000

DERIVED EFFECTS OF IMPLEMENTING THE PROJECT

MAIN EFFECTS ON THE ENVIRONMENT: Serves a population of 500 by 1980

EMPLOYMENT:

YEAR	CONSTRUCTION				OPERATION			
	PROFESSIO-NALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL	PROFESSIO-NALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL
1								
2								
3								
4								
5								
6								
7								
8								
9								
10								

INPUT OTHER THAN LABOUR: CONSTRUCTION (C), OPERATION (O)

YEARLY PRODUCTION:

NET REQUIREMENTS OF FOREIGN EXCHANGE YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

LINKS

LINKS TO OTHER PROJECTS AND DEVELOPMENT PACKAGES

NO: 11	NAME: Tubau Town Development
NO:	NAME:
NO:	NAME:
NO:	NAME:
NO:	NAME:
NO:	NAME:
NO:	NAME:

FINANCING

POSSIBILITIES OF FINANCING:

1: FEDERAL GOVERNMENT		2: STATE GOVERNMENT	
3: LOCAL GOVERNMENT		4: STATUTORY BODIES	✓
5: PUBLIC FUNDS		6: PRIVATE DOMESTIC SAVINGS	
7: PRIVATE FOREIGN LOANS		8: PUBLIC FOREIGN LOANS	

REFERENCES

REFERENCES:

1: Supporting Report 5
2: Supporting Report 6, Part III
3:
4:
5:

IDENTIFICATION

PROJECT NUMBER: 266 SECTOR: PRIVATE SERVICES

DEPARTMENT — PLANNING: / IMPLEMENTATION: / BUGET: — PRIVATE

NAME OF PROJECT: Cinema - Igang

CONTENTS

DESCRIPTION: 1 unit cinema

COSTS AND REVENUES (1973 PRICES)

TOTAL INVESTMENT COSTS: $300 000 INVESTMENT PERIOD:

INVESTMENT YEAR BY YEAR:

1: $300 000	2:	3:	4:	5:
6:	7:	8:	9:	10:

OPERATING COSTS YEAR BY YEAR:

1: $180 000	2: $180 000	3: $180 000	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

REVENUES YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

SHORT DESCRIPTION OF POSSIBLE ECONOMIES OF SCALE CONCERNING INVESTMENT AND OPERATION COSTS

UNIT (OR ITEM) COSTS AND UNIT (OR ITEM) REVENUES:

Assume 350 seats in the theatre

DERIVED EFFECTS OF IMPLEMENTING THE PROJECT

MAIN EFFECTS ON THE ENVIRONMENT:

EMPLOYMENT:

YEAR	CONSTRUCTION				OPERATION			
	PROFESSIONALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL	PROFESSIONALS	CLERICAL AND SKILLED	UNSKILLED	TOTAL
1						2	5	7
2								
3								
4								
5								
6								
7								
8								
9								
10								

INPUT OTHER THAN LABOUR: CONSTRUCTION (C), OPERATION (O)

YEARLY PRODUCTION:

NET REQUIREMENTS OF FOREIGN EXCHANGE YEAR BY YEAR:

1:	2:	3:	4:	5:
6:	7:	8:	9:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

LINKS

LINKS TO OTHER PROJECTS AND DEVELOPMENT PACKAGES

NO: 5	NAME: Igang Estate Rural Development
NO:	NAME:
NO:	NAME:
NO:	NAME:
NO:	NAME:
NO:	NAME:
NO:	NAME:

FINANCING

POSSIBILITIES OF FINANCING:

1: FEDERAL GOVERNMENT		2: STATE GOVERNMENT	
3: LOCAL GOVERNMENT		4: STATUTORY BODIES	
5: PUBLIC FUNDS		6: PRIVATE DOMESTIC SAVINGS	✓
7: PRIVATE FOREIGN LOANS		8: PUBLIC FOREIGN LOANS	

REFERENCES

REFERENCES:

1:
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3:
4:
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IDEA PROJECTS

PROJECT NUMBER	PROJECT NAME	SECTOR	DEPARTMENTS			REFERENCES
			PLANNING	IMPLEMENTING	BUDGET	
1	Investigation of Loagan Bunut	Agriculture	D I D	D I D	D I D	S R 2/V
2	Sea Fisheries Investigation	Agriculture	D A	D A	D A	S R 2/V
3	Niah National Park	Forestry	F D	F D	F D	SR 3
4	Similajau National Park	Forestry	F D	F D	F D	SR 3
5	Loagan Bunut National Park	Forestry	F D	F D	F D	SR 3
6	Lambir National Park	Forestry	F D	F D	F D	SR 3
7	Sungai Dalam National Park	Forestry	F D	F D	F D	SR 3
8	Conservation Area, Tanjong Lobang	Forestry	F D	F D	F D	SR 3
9	Conservation Area, Bukit Dulit	Forestry	F D	F D	F D	SR 3
10	Conservation Area, Lobang – Salai Limestone Out Crop	Forestry	F D	F D	F D	SR 3
11	Eucalyptus Trials	Forestry	F D	F D	F D	SR 3
12	Sarawak Manpower Board	Miscellaneous				SR 5
13	Consumer Price Index	Miscellaneous				SR 9
14	Construction Price Index					SR 9
15	Co – operation among Shipyards	Industries				SR 8
16	Bakong Road Study	Transport	P W D	P W D	P W D	SR 7
17	Sarawak Savings and Development Fund	Miscellaneous				SR 9
18	Premium Bonds	Miscellaneous				SR 9
19	Land Rent	Miscellaneous				SR 9

GENERAL PROJECTS

PROJECT NUMBER	PROJECT NAME	SECTOR	DEPARTMENTS			SPECIFICATIONS	IMPLEMENTATION							INVESTMENT COSTS THOUSAND DOLLARS						
			PLANNING	IMPLEMENTING	BUDGET		1974	1975	1976	1977	1978	1979	1980	1975	1976	1977	1978	1979	1980	TOTAL
16	Agricultural School, Kabuloh	Agriculture	D A	P W D	D A									80						80
17	Agricultural Training Centre, 10th Mile Bintulu	Agriculture	D A	P W D	D A									110						110
172 B	Lambir – Subis Oil Palm Factory	Agriculture	S L D B	S L D B	S L D B	Capacity: 60 tons per hour								3828		3542				7 370
75	Water Supply, Lambir – Subis North and Bekenu	Public Utilities	P W D	P W D	P W D	Headworks, pipelines, distribution								889	339	200	70	70	70	1 708
18	ADU Divisional Office, Bukit Peninjau	Agriculture	D A	P W D	D A									419						419
263	Lambir – Subis Roads	Transport	P W D	P W D	P W D	7.75 miles feeder road								775						775
53	Public Transport 1975 – 1980 Residual	Transport	M C W	PRIVATE	PRIVATE	30 buses								150	150	150	150	150	150	900
126	ADU Section Leader Offices, Study Area	Agriculture	D A	P W D	D A	4 units									78		78	147		303
161	Water Supply, Beluru and Mera'a	Public Utilities	P W D	P W D	P W D	Headworks, pipelines, distribution									321	57	57	44	33	512
172 A	Niah – Suai Oil Palm Factory	Agriculture	S L D B	S L D B	S L D B	Capacity: 60 tons per hour										3000	3000			6 000
201	Water Supply, Niah – Suai Villages	Public Utilities	P W D	P W D	P W D	Pipelines, distribution										172	767	420	469	1 828
							TOTAL INVESTMENT COSTS							6261	948	7064	4122	831	722	20 000

INDIVIDUAL PROJECTS

PROJECT NUMBER	PROJECT NAME	SECTOR	DEPARTMENTS			SPECIFICATIONS	IMPLEMENTATION							INVESTMENT COSTS THOUSAND DOLLARS						
			PLANNING	IMPLEMENTING	BUDGET		1974	1975	1976	1977	1978	1979	1980	1975	1976	1977	1978	1979	1980	TOTAL
112	Pre - fab Houses Plant	Industries	PRIVATE	PRIVATE	PRIVATE									500						500
113	Timber Impregnate Plant	Industries	PRIVATE	PRIVATE	PRIVATE									300						300
2	Boundary Survey and Demarcation 1975-1980 Residual	Agriculture	L & S D/FD	L & S D/FD	L & S D/FD															
115	Industries 1975 - 1980, Residual	Industries	SEDC/PRIVATE	SEDC/PRIVATE	SEDC/PRIVATE									4000	4000	6000	7000	9000	10000	41 000
27	Sawmill, Timber Complex, Exploitation, Long Lama Timber Area	Forestry	FD/PRIVATE	PRIVATE	PRIVATE									8600						8 600
114	Moulding Factory	Industries	PRIVATE	PRIVATE	PRIVATE									1000	100					1 100
149	Bridges Lutong - Kuala Baram Road	Transport	P W D	P W D	P W D	20 units									200					200
151	Improvements Beluru Road	Transport	P W D	P W D	P W D	12 miles improvement to trunk road standard									1000	1000	160			2 160
167	Furniture Manufacturing	Industries	PRIVATE	PRIVATE	PRIVATE										180	65				245
169	Plywood Factory	Industries	STIDC/PRIVATE	STIDC/PRIVATE	STIDC/PRIVATE										3600	2000				5 600
166	Iron Factory	Industries	PRIVATE	PRIVATE	PRIVATE										1800					1 800
1	Semi - Detailed Soil Survey 1976 - 1980 Residual	Agriculture	D A	D A	D A															
168	Parquet Factory	Industries	STIDC/PRIVATE	STIDC/PRIVATE	STIDC/PRIVATE										1500	1000				2 500
187	Extension of Kuala Baram Wharf	Transport	P W D	P W D	P W D											50				50
205	Particle Board Manufacturing	Industries	STIDC/PRIVATE	STIDC/PRIVATE	STIDC/PRIVATE											4000	2000			6 000
220	Kuala Baram - Brunei Road Surfacing	Transport	P W D	P W D	P W D	6 miles											1500	1500		3 000
							TOTAL INVESTMENT COSTS							14400	13380	1415	10660	10500	1000	73 055

RURAL DEVELOPMENT PACKAGE NUMBER : I : LAMBIR-SUBIS SOUTH

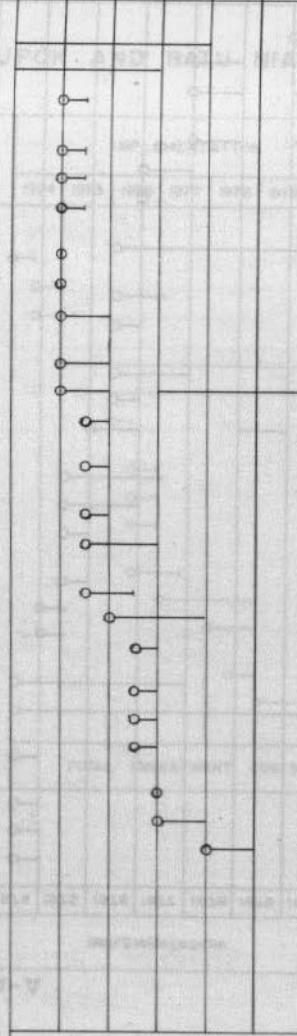
PROJECT NUMBER	PROJECT NAME	SECTOR	DEPARTMENT			SPECIFICATIONS	IMPLEMENTATION							INVESTMENT COSTS THOUSAND DOLLARS						
			PLANNING	IMPLEMENTING	BUDGET		1974	1975	1976	1977	1978	1979	1980	1975	1976	1977	1978	1979	1980	TOTAL
67	Airphoto/Mapping, Subis I And II Villages	Public Services	L & S D	L & S D	L & S D															
	Housing Sungai Tangit Village	Housing	S L D B	S L D B	S L D B															
	Housing Ladang Tiga Village	Housing	S L D B	S L D B	S L D B															
	Community Hall Sungai Tangit	Public Services	S L D B	S L D B	S L D B															
3	Clearing, Planting, Operating Lambir Subis South	Agriculture	S L D B	S L D B	S L D B	23760 acres gross, 21385 acres net								6084	5630	5256				16970
4	Management SLDB, Lambir Subis South	Agriculture	S L D B	S L D B	S L D B									596	658					1254
68	Detailed Planning Of Subis I And II Village Areas	Public Services	L & S D	L & S D	L & S D															
	Destumping Of Subis I And II Village Areas	Public Services	S L D B	S L D B	S L D B															
37	Internal Roads/Drainage, Subis I And II And Ladang Tiga Village	Transport	L & S D	SLDB	S L D B	6.3 miles local tertiary road														
28	Housing, Subis I Village	Housing	S L D B	H D C	Private	292 houses								1460						1460
28	Housing, Subis II Village	Housing	S L D B	H D C	Private	292 houses								1460						1460
	Primary School, Sungai Tangit	Public Services	E D	P W D	E D	1 stream, semi-permanent														
	Parks And Playgrounds, Sungai Tangit	Public Services	SLDB/ED	P W D	SLDB/ED	2 acres														
	Community Hall, Ladang Tiga	Public Services	S L D B	S L D B	S L D B															
106	Shops And Coffee Houses, Sungai Tangit	Private Services	Private/SEDC	Private/SEDC	Private/SEDC	6 service units								360						360
64	Postal Agent, Sungai Tangit	Public Services	P S D	P S D	P S D															
54	Primary School, Ladang Tiga	Public Services	E D	P W D	E D	1 stream semi-permanent								288						288
56	Parks And Playgrounds, Ladang Tiga	Public Services	SLDB/ED	P W D	SLDB/ED	2 and 1 acres								4			2			6
73	Water Supply, Lambir Subis South	Public Utilities	P W D	P W D	P W D	Headworks, pipelines distribution								2223	540	140	280	280	201	3664
74	Sewerage, Lambir Subis South	Public Utilities	P W D	P W D	P W D									64	101	214	73	56	56	564
89	Cleansing, Refuse Disposal, Street Lighting Ladang Tiga	Public Utilities	DC/SESCO	DC/SESCO	DC/SESCO									8	13	8	9	10	10	58

RURAL DEVELOPMENT PACKAGE NUMBER : I : LAMBIR-SUBIS SOUTH CONTINUED

PROJECT NUMBER	PROJECT NAME	SECTOR	DEPARTMENT			SPECIFICATIONS	IMPLEMENTATION							INVESTMENT COSTS THOUSAND DOLLARS						
			PLANNING	IMPLEMENTING	BUDGET		1974	1975	1976	1977	1978	1979	1980	1975	1976	1977	1978	1979	1980	TOTAL
60	Religious Building, Sungai Tangit	Public Services	S P U	P W D	S P U									50						50
60	Religious Building, Ladang Tiga	Public Services	S P U	P W D	S P U									50						50
54	Primary School, Subis I	Public Services	E D	P W D	E D	1 stream, semi-permanent								288						288
54	Primary School, Subis II	Public Services	E D	P W D	E D	1 stream, semi-permanent								288						288
56	Parks And Playgrounds Subis I	Public Services	D C	P W D	D C	2 acres								4						4
56	Parks And Playgrounds Subis II	Public Services	D C	P W D	D C	2 acres								4						4
58	Community Hall, Subis I	Public Services	S L D B	S L D B	S L D B									30						30
58	Community Hall, Subis II	Public Services	S L D B	S L D B	S L D B									30						30
106	Shops And Coffee Houses, Ladang Tiga	Private Services	Private/SEDC	Private/SEDC	Private/SEDC	10 service units								300	300					600
61	Community Health Centre, Ladang Tiga	Public Services	M D	P W D	M D									72	65					137
62	Police Post, Ladang Tiga	Public Services	R M P	P W D	R M P									65	60					125
63	Post Office Class C, Ladang Tiga	Public Services	P S D	P W D	P S D									82						82
106	Shops And Coffee Houses, Subis I	Private Services	Private/SEDC	Private/SEDC	Private/SEDC	10 service units									600					600
106	Shops And Coffee Houses, Subis II	Private Services	Private/SEDC	Private/SEDC	Private/SEDC	10 service units									600					600
60	Religious Building, Subis I	Public Services	S P U	P W D	S P U										50					50
60	Religious Building, Subis II	Public Services	S P U	P W D	S P U										50					50
64	Postal Agent, Subis I	Public Services	P S D	P S D	P S D										0					0
64	Postal Agent Subis II	Public Services	P S D	P S D	P S D										0					0
194	Electricity, Lambir-Subis South	Public Utilities	S E S C O	S E S C O	S E S C O											60	60	180	175	475
196	Telecommunication, Lambir-Subis South	Public Utilities	TELECOMS	TELECOMS	TELECOMS											144	144	155	11	454
55	Lower Secondary School, Ladang Tiga	Public Services	E D	P W D	E D	2 streams, semi-permanent											776			776
222	Sub District Fire Brigate, Ladang Tiga	Public Services	D C	P W D	D C												151			151
							TOTAL INVESTMENT COSTS							13810	8667	5822	1495	681	453	30928

RURAL DEVELOPMENT PACKAGE NUMBER : 2 : LAMBIR-SUBIS NORTH

PROJECT NUMBER	PROJECT NAME	SECTOR	DEPARTMENT: PLANNING	DEPARTMENT: IMPLEMENTING	DEPARTMENT: BUDGET	SPECIFICATIONS	INVESTMENT COSTS THOUSAND DOLLARS 1975	1976	1977	1978	1979	1980	TOTAL
5	Clearing, Planting, Operating, Lambir-Subis North	Agriculture	S L D B	S L D B	S L D B	8 990 acres gross, 8 285 acres net	1863	949	1533				4345
6	Management SLDB, Lambir-Subis North	Agriculture	S L D B	S L D B	S L D B		87	192					279
67	Airphoto/Mapping, Ladang Empat Village	Public Services	L & S D	L & S D	L & S D								
54	Primary School, Bukit Peninjau	Public Services	E D	P W D	E D	1 stream, semi-permanent	288						288
54	Primary School, SOP Village	Public Services	E D	P W D	E D	1 stream, semi-permanent	288						288
56	Parks And Playgrounds, Bukit Peninjau	Public Services	D C	P W D	D C	1 acre	2						2
64	Postal Agent, Bukit Peninjau	Public Services	P S D	P S D	P S D		0						0
64	Postal Agent, SOP Village	Public Services	P S D	P S D	P S D		0						0
60	Religious Building, Bukit Peninjau	Public Services	S P U	P W D	S P U		50						50
60	Religious Building, SOP Village	Public Services	S P U	P W D	S P U		50						50
96	Electricity, Lambir-Subis North	Public Utilities	SESCO	SESCO	SESCO		120		120	230	60	230	760
68	Detailed Planning, Ladang Empat Village	Public Services	L & S D	L & S D	L & S D								
59	Destumping, Ladang Empat Village	Public Services	S L D B	S L D B	S L D B	100 acres	25						25
37	Internal Roads/Drainage, Ladang Empat Village	Transport	L & S D	S L D B	S L D B	2 miles local tertiary road	40						40
28	Housing, Ladang Empat Village	Housing	S L D B	S L D B	S L D B	277 housing units	461	923					1385
55	Lower Secondary School, Bukit Peninjau	Public Services	E D	P W D	E D	2 streams, semi-permanent	400	376					776
158	Sewerage, Lambir-Subis North	Public Utilities	P W D	P W D	P W D			21	65				86
56	Parks And Playgrounds, Ladang Empat	Public Services	D C	P W D	D C	1 acre		2					2
58	Community Hall, Ladang Empat	Public Services	D C	P W D	D C			30					30
152	Village Police Post, Ladang Empat	Public Services	R M P	P W D	R M P			15					15
106	Shops And Coffee Houses, Ladang Empat	Private Services	Private/SEDC	Private/SEDC	Private/SEDC	7 service units		420					420
64	Postal Agent, Ladang Empat	Public Services	P S D	P S D	P S D				0				0
60	Religious Building, Ladang Empat	Public Services	S P U	P W D	S P U				50				50
225	Telecommunication, Lambir-Subis North	Public Utilities	TELECOMS	TELECOMS	TELECOMS					288		166	454
							3675	2928	1768	518	60	396	9345



RURAL DEVELOPMENT PACKAGE NUMBER : 3 : MERA-A

PROJECT NUMBER	PROJECT NAME	SECTOR	DEPARTMENT			SPECIFICATIONS	IMPLEMENTATION							INVESTMENT COSTS THOUSAND DOLLARS						
			PLANNING	IMPLEMENTING	BUDGET		1974	1975	1976	1977	1978	1979	1980	1975	1976	1977	1978	1979	1980	TOTAL
2	Boundary Survey, Mera-a Area	Agriculture	L & S D	L & S D	L & S D	22 miles														
	Boundary Demarcation, Mera-a Area	Forestry	L&SD/FD	L&SD/FD	L&SD/FD	22 miles														
	Salvage Logging, Mera-a Area	Forestry	F D	Private	Private	3705 acres														
	Access Road, Mera-a Area	Transport	P W D	P W D	P W D	1.8 miles														
10	Clearing, Planting, Operating Mera-a Public Area	Agriculture	S L D B	S L D B	S L D B	3705 acres gross, 3080 acres net								1326	528	749	96	81	121	2901
11	Management SLDB, Mera-a Public Area	Agriculture	S L D B	S L D B	S L D B									107	52	104				263
67	Airphoto/Mapping, Mera-a Village	Public Services	L & S D	L & S D	L & S D															
68	Detailed Planning, Mera-a Village	Public Services	L & S D	L & S D	L & S D															
59	Destumping, Mera-a Village	Public Services	S L D B	S L D B	S L D B	285 acres								71						71
37	Internal Roads/ Drainage, Mera-a Village	Transport	L & S D	PWD/SLDB	PWD/SLDB	2.2 miles local tertiary road								44						44
28	Housing, Mera-a Village	Housing	S L D B	S L D B	S L D B	225 housing units								375	750					1125
76	Sewerage, Mera-a	Public Utilities	P W D	P W D	P W D									20	33	8				61
124	Management ADU, Mera-a Public Area	Agriculture	D A	A D U	D A										253			118		371
54	Primary School, Mera-a	Public Services	E D	P W D	E D	1 stream, semi-permanent									288					288
56	Parks And Playgrounds, Mera-a	Public Services	SLDB/ED	P W D	SLDB/ED	1 acre									1	1				2
58	Community Hall, Mera-a	Public Services	D C	P W D	D C										30					30
106	Shops And Coffee Houses, Mera-a	Private Services	Private/SEDC	Private/SEDC	Private/SEDC	5 service units									150	150				300
127	Clearing, Planting, Operating Mera-a Private Area	Agriculture	Private	Private	Private	560 acres gross, 505 acres net									16	88	115	123	55	397
64	Postal Agent, Mera-a	Public Services	P S D	P S D	P S D															
60	Religious Building, Mera-a	Public Services	S P U	P W D	S P U											50				50
229	Electricity, Mera-a	Public Utilities	S E S C O	S E S C O	S E S C O												60		60	120
214	Cocoa Drying units, Mera-a	Agriculture	S L D B	Private	Private	1 in 1978, 1 in 1980											3		3	6
183	Housing, Mera-a Private Area	Housing	Private	Private	Private	32 temporary housing units											48			48
261	Telecommunication, Mera-a	Public Utilities	TELECOMS	TELECOMS	TELECOMS														144	144
							TOTAL INVESTMENT COSTS							1943	2101	1150	322	322	283	6228

RURAL DEVELOPMENT PACKAGE NUMBER : 4 : SEPUPOK AND BATU NIAH RBD

PROJECT NUMBER	PROJECT NAME	SECTOR	DEPARTMENTS: PLANNING	DEPARTMENTS: IMPLEMENTING	DEPARTMENTS: BUDGET	SPECIFICATIONS	IMPLEMENTATION 1974	1975	1976	1977	1978	1979	1980	INVESTMENT COSTS THOUSAND DOLLARS 1975	1976	1977	1978	1979	1980	TOTAL
	Access Road, Sepupok Area	Transport	P W D	P W D	P W D	1.8 miles feeder road														
68	Detailed Planning, Sepupok Village	Public Services	L & S D	L & S D	L & S D															
59	Destumping, Sepupok Village Centre	Public Services	A D U	PRIVATE	D A	10 miles														
12	Management ADU, Sepupok and Batu Niah RBD Areas	Agriculture	D A	A D U	D A									222		190	53	41	53	559
13	Clearing, Planting, Operating, Sepupok & Batu Niah RBD Areas	Agriculture	D A	PRIVATE	D A	3 700 acres gross, 9 305 acres net								90	448	498	907	885	825	3 653
1	Semi – Detailed Soil Survey, Batu Niah RBD Area	Agriculture	D A	D A	D A	6 200 acres														
54	Primary School, Sepupok	Public Services	E D	P W D	E D	1 stream, semi – permanent									288					288
56	Parks and Playgrounds, Sepupok	Public Services	E D	P W D	E D	1 acre									2					2
58	Community Hall, Sepupok	Public Services	P W D	P W D	P W D										30					30
106	Shops and Coffee Houses, Sepupok	Private Services	PRIVATE/SEDC	PRIVATE/SEDC	PRIVATE/SEDC	7 services units									210	210				420
183	Housing, Sepupok Village	Housing	PRIVATE	PRIVATE	PRIVATE	196 temporary housing units										147	148			295
214	Cocoa Drying Unit, Sepupok	Agriculture	A D U	PRIVATE	PRIVATE	1 unit											3			3
214	Cocoa Drying Unit, Batu Niah RBD	Agriculture	A D U	PRIVATE	PRIVATE	1 unit											3			3
183	Housing, Batu Niah RBD Area	Housing	PRIVATE	PRIVATE	PRIVATE	27 temporary housing units												20	20	40
							TOTAL INVESTMENT COSTS							312	978	1045	1 114	946	898	5 293

RURAL DEVELOPMENT PACKAGE NUMBER : 6 : GALASAH

PROJECT NUMBER	PROJECT NAME	SECTOR	DEPARTMENT			SPECIFICATIONS	INVESTMENT COSTS THOUSAND DOLLARS												
			PLANNING	IMPLEMENTING	BUDGET		1974	1975	1976	1977	1978	1979	1980	1975	1976	1977	1978	1979	1980	TOTAL
2	Boundary Survey And Demarcation Galasah Public Area	Agriculture	L&SD/FD	L&SD/FD	L&SD/FD	16 miles														
137	Salvage Logging Galasah Public Area	Forestry	FD / Private	Private	Private	3055 acres														
148	Access Road, Galasah Area	Transport	P W D	P W D	P W D	1.3 miles feeder road									156					156
116	Clearing, Planting, Operating Galasah Public Area	Agriculture	S L D B	S L D B	S L D B	3055 acres gross, 2530 acres net									245	1091	444	675	55	2510
117	Management SLDB, Galasah Public Area	Agriculture	S L D B	S L D B	S L D B										43	27	43	85		198
67	Airphoto / Mapping, Galasah Village	Public Services	L & S D	L & S D	L & S D															
68	Detailed Planning, Galasah Village	Public Services	L & S D	L & S D	L & S D															
59	Destumping, Galasah Village	Public Services	S L D B	S L D B	S L D B	245 acres										61				61
37	Internal Road / Drainage, Galasah Village	Transport	L & S D	S L D B	S L D B	1.5 miles local tertiary road and 1 mile feeder road										150				150
208	Management ADU, Galasah Public And RBD Areas	Agriculture	D A	A D U	D A												253	33	0	286
215	Rice Mill, Galasah	Agriculture	A D U	Private	Private												2			2
28	Housing, Galasah Village	Housing	S L D B	H D C	Private	162 housing units											810			810
199	Sewerage, Galasah	Public Utilities	P W D	P W D	P W D											10	19			29
54	Primary School, Galasah	Public Services	E D	P W D	E D	1 stream, semi-permanent											288			288
56	Parks And Playgrounds, Galasah	Public Services	D C	P W D	D C	1 acre											1	1		2
58	Community Hall, Galasah	Public Services	S L D B	S L D B	S L D B												30			30
106	Shops And Coffee Houses, Galasah	Private Services	Private/SEDC	Private/SEDC	Private/SEDC	4 service units											120	120		240
64	Postal Agent, Galasah	Public Services	P S D	P S D	P S D													0		0
60	Religious Building, Galasah	Public Services	S P U	P W D	S P U													50		50
242	Clearing, Planting, Operating Galasah RBD Area	Agriculture	A D U	Private	Private													32	165	197
214	Cocoa Drying Units, Galasah	Agriculture	S L D B	Private	Private	2 units													6	6
						TOTAL INVESTMENT COSTS									444	1338	2010	996	226	5013

TOWN DEVELOPMENT PACKAGE NUMBER : 8 : NIAH

PROJECT NUMBER	PROJECT NAME	SECTOR	DEPARTMENTS			SPECIFICATIONS	IMPLEMENTATION							INVESTMENT COSTS THOUSAND DOLLARS						
			PLANNING	IMPLEMENTING	BUDGET		1974	1975	1976	1977	1978	1979	1980	1975	1976	1977	1978	1979	1980	TOTAL
87	Water Supply	Public Utilities	P W D	P W D	P W D	Headworks, pipelines, distribution								120	238	87	7	7	7	466
88	Sewerage	Public Utilities	P W D	P W D	P W D									51	46	47	47	47	52	290
95	Cleansing, Refuse Disposal, Street Lighting	Public Utilities	DC/SESCO	DC/SESCO	DC/SESCO									8	13	8	9	10	10	58
105	Telecommunication	Public Utilities	TELECOMS	TELECOMS	TELECOMS									141		1	20	1	1	164
163	Electricity	Public Utilities	SESCO	SESCO	SESCO										120			115		235
							TOTAL INVESTMENT COSTS							320	417	143	83	180	70	1 213

RURAL DEVELOPMENT PACKAGE NUMBER : 8 : LAMAUS

PROJECT NUMBER	PROJECT NAME	SECTOR	DEPARTMENT			SPECIFICATIONS	IMPLEMENTATION							INVESTMENT COSTS THOUSAND DOLLARS						
			PLANNING	IMPLEMENTING	BUDGET		1974	1975	1976	1977	1978	1979	1980	1975	1976	1977	1978	1979	1980	TOTAL
2	Boundary Survey And Demarcation Lamaus Public Area	Agriculture	L&SD/FD	L&SD/FD	L&SD/FD	21 miles														
138	Salvage Logging Lamaus Public Area	Forestry	F D	Private	Private	6 275 acres														
184	Lamaus Road	Transport	P W D	P W D	P W D	2.2 miles improved feeder road										330				330
170	Clearing, Planting, Operating Lamaus Public Area	Agriculture	S L D B	S L D B	S L D B	6 275 acres gross, 5 200 acres net										327	1675	1377	1263	4642
171	Management SLDB, Lamaus Public Area	Agriculture	S L D B	S L D B	S L D B											50	113	179	160	502
67	Airphoto / Mapping Lamaus Village	Public Services	L & S D	L & S D	L & S D															
68	Detailed Planning Lamaus Village	Public Services	L & S D	L & S D	L & S D															
59	Destumping, Lamaus Village	Public Services	S L D B	S L D B	S L D B	500 acres											125			125
37	Internal Roads / Drainage, Lamaus	Transport	L & S D	PWD/SLDB	PWD/SLDB	2.8 miles local tertiary road; 1.4 miles improved feeder road											267			267
233	Sewerage, Lamaus	Public Utilities	P W D	P W D	P W D												12	12	33	57
28	Housing, Lamaus Village	Housing	S L D B	H D C	Private	331 housing units											413	827	415	1655
241	Management ADU Lamaus Public And RBD Area	Agriculture	D A	A D U	D A													403	10	413
215	Rice mills, Lamaus	Agriculture	A D U	Private	Private	2 units												4		4
54	Primary School, Lamaus	Public Services	E D	P W D	E D	1 stream unit, semi-permanent												288		288
58	Community Hall, Lamaus	Public Services	D C	P W D	D C													30		30
56	Parks And Playgrounds, Lamaus	Public Services	D C	P W D	D C	2 acres												2	2	4
106	Shops And Coffee Houses, Lamaus	Private Services	Private/SEDC	Private/SEDC	Private/SEDC	5 units												150	150	300
64	Postal Agent, Lamaus	Public Services	P S D	P S D	P S D															
60	Religious Building, Lamaus	Public Services	S P U	P W D	S P U														50	50
256	Clearing, Planting, Operating Lamaus RBD Area	Agriculture	A D U	Private	Private	840 acres gross, 760 acres net													32	32
						TOTAL INVESTMENT COSTS										707	2605	3272	2115	8699

TOWN DEVELOPMENT PACKAGE NUMBER : 9 : SEBAUH

PROJECT NUMBER	PROJECT NAME	SECTOR	DEPARTMENTS			SPECIFICATIONS	IMPLEMENTATION							INVESTMENT COSTS THOUSAND DOLLARS						
			PLANNING	IMPLEMENTING	BUDGET		1974	1975	1976	1977	1978	1979	1980	1975	1976	1977	1978	1979	1980	TOTAL
36	Housing	Housing	PRIVATE	PRIVATE	PRIVATE	30 housing units								33	33	33	33	33	33	198
55	Lower Secondary School	Public Services	E D	P W D	E D	2 streams, semi-permanent								400	376					776
160	Water Supply	Public Utilities	P W D	P W D	P W D	Headworks, pipelines, distribution									460			7	2	469
231	Sewerage	Public Utilities	P W D	P W D	P W D												51	46	47	144
238	Cleansing, Refuse Disposal, Street Lighting	Public Utilities	DC/SESCO	DC/SESCO	DC/SESCO												8	13	8	29
224	Telecommunication	Public Utilities	TELECOMS	TELECOMS	TELECOMS												141		1	142
228	Electricity	Public Utilities	SESCO	SESCO	SESCO												120			120
							TOTAL INVESTMENT COSTS							433	869	33	353	99	91	1 878

RURAL DEVELOPMENT PACKAGE NUMBER : 9 : ENSABANG

PROJECT NUMBER	PROJECT NAME	SECTOR	DEPARTMENT			SPECIFICATIONS	IMPLEMENTATION							INVESTMENT COSTS THOUSAND DOLLARS						
			PLANNING	IMPLEMENTING	BUDGET		1974	1975	1976	1977	1978	1979	1980	1975	1976	1977	1978	1979	1980	TOTAL
2	Boundary Survey and Demarcation, Ensabang Area	Agriculture	L & S D/FD	L & S D/F D	L & S D/F D	19 miles														
182	Salvage Logging, Ensabang Area	Forestry	FD	PRIVATE	PRIVATE	6 125 acres														
185	Igang Forest Boundary – Ensabang Road	Transport	P W D	P W D	P W D	7.4 miles improved feeder road										500	610			1 110
206	Clearing, Planting, Operating, Ensabang	Agriculture	S L D B	S L D B	S L D B	6 125 acres gross, 5 060 acres net											495	2194	842	3 531
207	Management SLDB, Ensabang Area	Agriculture	S L D B	S L D B	S L D B												83	149	93	325
67	Airphoto / Mapping, Ensabang Village	Public Services	L & S D	L & S D	L & S D															
68	Detailed Planning, Ensabang Village	Public Services	L & S D	L & S D	L & S D															
59	Destumping, Ensabang Village	Public Services	S L D B	S L D B	S L D B	500 acres												125		125
37	Internal Roads / Drainage, Ensabang Village	Transport	L & S D	PWD/SLDB	PWD/SLDB	2.8 local tertiary road, 1.4 improved feeder road												267		267
28	Housing, Ensabang Village	Housing	S L D B	H D C	Private	329 housing units												548	1097	1 645
254	Sewerage, Ensabang	Public Utilities	P W D	P W D	P W D													20	37	57
255	Management A D U, Ensabang	Agriculture	DA	A D U	DA														390	390
215	Rice Mills, Ensabang	Agriculture	A D U	PRIVATE	PRIVATE	2 units													4	4
258	Ensabang – Batu Niah Road	Transport	P W D	P W D	P W D	4 miles improved feeder road													600	600
54	Primary School, Ensabang	Public Services	E D	P W D	E D	1 stream unit, semi-permanent													288	288
58	Community Hall, Ensabang	Public Services	S L D B	S L D B	S L D B														30	30
56	Parks and Playgrounds, Ensabang	Public Services	SLDB/ED	P W D	E D	2 acres													4	4
106	Shops and Coffee Houses, Ensabang	Public Services	PRIVATE/SEDC	PRIVATE/SEDC	PRIVATE/SEDC	8 service units													480	480
64	Postal Agent, Ensabang	Public Services	P S D	P S D	P S D															
							TOTAL INVESTMENT COSTS									500	1 188	3 303	3865	8 856

RURAL DEVELOPMENT PACKAGE NUMBER : 10 : TELABIT

PROJECT NUMBER	PROJECT NAME	SECTOR	DEPARTMENTS			SPECIFICATIONS	IMPLEMENTATION							INVESTMENT COSTS THOUSAND DOLLARS						
			PLANNING	IMPLEMENTING	BUDGET		1974	1975	1976	1977	1978	1979	1980	1975	1976	1977	1978	1979	1980	TOTAL
2	Boundary Survey and Demarcation, Telabit Area	Agriculture	L & S D/FD	L & S D/FD	L & S D/FD	13 miles														
217	Final Logging, Telabit Area	Forestry	FD/PRIVATE	PRIVATE	PRIVATE	5 030 acres														
219	Telabit Road	Transport	P W D	P W D	P W D	2 miles improved feeder road											300			300
239	Clearing, Planting, Operating, Telabit Area	Agriculture	S L D B	S L D B	S L D B	5 030 acres gross, 4 165 acres net												64	626	690
240	Management SLDB, Telabit Area	Agriculture	S L D B	S L D B	S L D B													10	72	82
67	Airphoto/Mapping, Telabit Village	Public Services	L & S D	L & S D	L & S D															
68	Detailed Planning, Telabit Village	Public Services	L & S D	L & S D	L & S D															
59	Destumping, Telabit Village Area	Public Services	S L D B	S L D B	S L D B	400 acres													100	100
	Internal Roads/Drainage, Telabit Village	Transport	L & S D	PWD/SLDB	PWD/SLDB	1.4 improved feeder road													188	188
28	Housing, Telabit Village	Housing	S L D B	H D C	PRIVATE	67 housing units													335	335
							TOTAL INVESTMENT COSTS										300	74	1 321	1 695

TOWN DEVELOPMENT PACKAGE NUMBER : II : TUBAU

PROJECT NUMBER	PROJECT NAME	SECTOR	DEPARTMENTS			SPECIFICATIONS	IMPLEMENTATION							INVESTMENT COSTS THOUSAND DOLLARS						
			PLANNING	IMPLEMENTING	BUDGET		1974	1975	1976	1977	1978	1979	1980	1975	1976	1977	1978	1979	1980	TOTAL
71	Sub District Office	Public Services	R&DO	P W D	P W D											424				424
56	Parks & Playgrounds	Public Services	DC	P W D	D C	1 acre										2				2
218	Housing	Housing	PRIVATE	PRIVATE	PRIVATE	20 housing units											49	49	49	147
64	Postal Agent	Public Services	P S D	P S D	P S D															
265	Electricity	Public Utilities	SESCO	SESCO	SESCO														120	120
							TOTAL INVESTMENT COSTS									426	49	49	169	693

RURAL DEVELOPMENT PACKAGE NUMBER : II : ULU MAMAT

PROJECT NUMBER	PROJECT NAME	SECTOR	DEPARTMENTS			SPECIFICATIONS	IMPLEMENTATION							INVESTMENT COSTS THOUSAND DOLLARS						
			PLANNING	IMPLEMENTING	BUDGET		1974	1975	1976	1977	1978	1979	1980	1975	1976	1977	1978	1979	1980	TOTAL
1	Semi-Detailed Soil Survey	Agriculture	D A	D A	D A	3 150 acres														
2	Boundary Survey & Demarcation	Agriculture	L&SD/FD	L&SD/FD	L&SD/FD	6 miles														
22	Salvage Logging	Forestry	FD/PRIVATE	PRIVATE	PRIVATE	2 200 acres														
128	Clearing, Planting, Operating	Agriculture	PRIVATE	PRIVATE	PRIVATE	2 200 acres gross, 1980 acres Net									64	347	452	482	215	1 560
183	Housing, Ulu Mamat	Housing	PRIVATE	PRIVATE	PRIVATE	124 temporary housing units										35	63	63	35	196
214	Cocoa Drying units	Agriculture	PRIVATE	PRIVATE	PRIVATE	1 unit												3		3
							TOTAL INVESTMENT COSTS								64	382	515	548	250	1 759

RURAL DEVELOPMENT PACKAGE NUMBER : 12 : MENANTAN

PROJECT NUMBER	PROJECT NAME	SECTOR	DEPARTMENTS			SPECIFICATIONS	IMPLEMENTATION							INVESTMENT COSTS THOUSAND DOLLARS						
			PLANNING	IMPLEMENTING	BUDGET		1974	1975	1976	1977	1978	1979	1980	1975	1976	1977	1978	1979	1980	TOTAL
2	Boundary Survey & Demarcation	Agriculture	L&SD/FD	L&SD/FD	L&SD/FD	20 miles														
23	Salvage Logging	Forestry	FD/PRIVATE	PRIVATE	PRIVATE	1 720 acres														
129	Clearing, Planting, Operating Crop Area	Agriculture	PRIVATE	PRIVATE	PRIVATE	1720 acres gross, 1 550 acres net									50	271	354	378	168	1 221
130	Management Private Crop Area	Agriculture	PRIVATE	PRIVATE	PRIVATE	2 800 acres gross, 2 500 acres net									26	47	29	60		162
179	Cattle Scheme	Agriculture	PRIVATE	PRIVATE	PRIVATE	5 000 head										341	878	649	196	2 064
28	Housing	Housing	S L D B	H D C	PRIVATE	78 housing units										59	112	112	112	390
214	Cocoa Drying Unit	Agriculture	PRIVATE	PRIVATE	PRIVATE	1 unit												3		3
							TOTAL INVESTMENT COSTS								76	718	1373	1 202	476	3 845

RURAL DEVELOPMENT PACKAGE NUMBER : 13 : ULU KLAD

PROJECT NUMBER	PROJECT NAME	SECTOR	DEPARTMENTS			SPECIFICATIONS	IMPLEMENTATION							INVESTMENT COSTS THOUSAND DOLLARS						
			PLANNING	IMPLEMENTING	BUDGET		1974	1975	1976	1977	1978	1979	1980	1975	1976	1977	1978	1979	1980	TOTAL
1	Semi – Detailed Soil Survey	Agriculture	DA	DA	DA	2 900 acres														
2	Boundary Survey & Demarcation	Agriculture	L & S D/F D	L & S D/FD	L & S D/FD	6 miles														
139	Salvage Logging	Forestry	F D	PRIVATE	PRIVATE	2 000 acres														
131	Clearing, Planting, Operating	Agriculture	PRIVATE	PRIVATE	PRIVATE	2 000 acres gross, 1 800 acres net									58	315	411	439	195	1 418
132	Management Private	Agriculture	PRIVATE	PRIVATE	PRIVATE										30	55	34	69		188
28	Housing	Housing	S L D B	H D C	PRIVATE	90 housing units										75	150	150	75	450
214	Cocoa Drying Unit	Agriculture	PRIVATE	PRIVATE	PRIVATE	1 unit												3		3
							TOTAL INVESTMENT COSTS								88	445	595	661	270	2 059

RURAL DEVELOPMENT PACKAGE NUMBER : 14 : MAJAM

PROJECT NUMBER	PROJECT NAME	SECTOR	DEPARTMENTS			SPECIFICATIONS	IMPLEMENTATION							INVESTMENT COSTS THOUSAND DOLLARS						
			PLANNING	IMPLEMENTING	BUDGET		1974	1975	1976	1977	1978	1979	1980	1975	1976	1977	1978	1979	1980	TOTAL
1	Semi – Detailed Soil Survey	Agriculture	D A	D A	D A	6 700 acres														
2	Boundary Survey & Demarcation	Agriculture	L&SD/FD	L&SD/FD	L&SD/FD	26 miles														
142	Final Logging	Forestry	FD/PRIVATE	PRIVATE	PRIVATE	4 700 acres														
173	Clearing, Planting, Operating	Agriculture	PRIVATE	PRIVATE	PRIVATE	4 700 acres gross, 4 230 acres net										137	741	967	1030	2 875
174	Management, Private	Agriculture	PRIVATE	PRIVATE	PRIVATE											24	67	93	124	308
28	Housing	Housing	S L D B	H D C	PRIVATE	171 housing units											171	342	342	865
							TOTAL INVESTMENT COSTS									161	979	1402	1496	4 038

RURAL DEVELOPMENT PACKAGE NUMBER : 15 : ULU MASIAT

PROJECT NUMBER	PROJECT NAME	SECTOR	DEPARTMENTS			SPECIFICATIONS	IMPLEMENTATION							INVESTMENT COSTS THOUSAND DOLLARS						
			PLANNING	IMPLEMENTING	BUDGET		1974	1975	1976	1977	1978	1979	1980	1975	1976	1977	1978	1979	1980	TOTAL
1	Semi — Detailed Soil Survey	Agriculture	D A	D A	D A	5 500 acres														
2	Boundary Survey & Demarcation	Agriculture	L & S D/F D	L & S D/F D	L & S D/F D	10 miles														
140	Salvage Logging	Forestry	FD/PRIVATE	PRIVATE	PRIVATE	3 800 acres														
175	Clearing, Planting, Operating	Agriculture	PRIVATE	PRIVATE	PRIVATE	3 800 acres gross, 3 420 acres net										110	598	782	834	2 324
176	Management Private	Agriculture	PRIVATE	PRIVATE	PRIVATE											58	104	64	132	358
28	Housing	Housing	S L D B	H D C	PRIVATE	171 housing units											171	342	342	855
							TOTAL INVESTMENT COSTS									168	873	1 188	1 308	3 537

RURAL DEVELOPMENT PACKAGE NUMBER : 16 : SUNGAI KLAD

PROJECT NUMBER	PROJECT NAME	SECTOR	DEPARTMENTS			SPECIFICATIONS	IMPLEMENTATION							INVESTMENT COSTS THOUSAND DOLLARS						
			PLANNING	IMPLEMENTING	BUDGET		1974	1975	1976	1977	1978	1979	1980	1975	1976	1977	1978	1979	1980	TOTAL
1	Semi – Detailed Soil Survey	Agriculture	D A	D A	D A	17 000 acres														
2	Boundary Survey & Demarcation	Forestry	L & S D/FD	L & S D/FD	L & S D/FD	29														
141	Salvage Logging	Forestry	FD/PRIVATE	PRIVATE	PRIVATE	14 000 acres														
219 B	Access Road	Transport	P W D	P W D	P W D	27 miles feeder road											324			324
212	Clearing, Planting, Operating	Agriculture	PRIVATE	PRIVATE	PRIVATE	14 000 acres gross, 12 600 acres net											306	1654	2160	4 120
213	Management Private	Agriculture	PRIVATE	PRIVATE	PRIVATE												53	149	208	410
28	Housing	Housing	S L D B	H D C	PRIVATE	393 housing units												655	1 310	1 965
							TOTAL INVESTMENT COSTS										683	2458	3678	6 819

RURAL DEVELOPMENT PACKAGE NUMBER : 17 : LABANG - TUBAU ROAD AND BESEDUAN - LEBUS AND TUBAU RBD

PROJECT NUMBER	PROJECT NAME	SECTOR	DEPARTMENTS			SPECIFICATIONS	IMPLEMENTATION							INVESTMENT COSTS THOUSAND DOLLARS						
			PLANNING	IMPLEMENTING	BUDGET		1974	1975	1976	1977	1978	1979	1980	1975	1976	1977	1978	1979	1980	TOTAL
1	Semi-Detailed Soil Survey, Beseduan and Lebus Areas	Agriculture	D A	D A	D A	23 000 acres														
2	Boundary Survey and Demarcation, Beseduan and Lebus Areas	Agriculture	L & S D/FD	L & S D/FD	L & S D/FD	39 miles														
145	Labang - Tubau Road	Transport	P W D	P W D	P W D	17.3 miles secondary road									900	1600	960			3 460
1	Semi-Detailed Soil Survey, Tubau R B D Area	Agriculture	D A	D A	D A	5 500 acres														
216	Final Logging, Beseduan and Lebus Areas	Forestry	F D	PRIVATE	PRIVATE	15 700 acres														
210	Management A D U, Tubau R B D Area	Agriculture	D A	A D U	D A												206		71	277
211	Clearing, Planting, Operating, Tubau R B D Area	Agriculture	A D U	PRIVATE	PRIVATE	3 633 acres gross, 3 270 acres net											96	470	416	982
247	Access Road, Beseduan Area	Transport	P W D	P W D	P W D	2 miles improved feeder road												300		300
248	Access Road, Lebus Area	Transport	P W D	P W D	P W D	6.5 miles feeder road												780		780
245	Clearing, Planting, Operating, Beseduan and Lebus Areas	Agriculture	PRIVATE	PRIVATE	PRIVATE	13 100 acres gross, 11 790 acres net												287	1 478	1 765
246	Management Private, Beseduan and Lebus Areas	Agriculture	PRIVATE	PRIVATE	PRIVATE													74	382	456
183	Housing, Tubau R B D Area	Housing	PRIVATE	PRIVATE	PRIVATE	37 temporary housing units													55	55
67	Airphoto/Mapping, Beseduan Village	Public Services	L & S D	L & S D	L & S D															
68	Detailed Planning, Beseduan Village	Public Services	L & S D	L & S D	L & S D															
59	Destumping, Beseduan Village Area	Public Services	P W D	P W D	P W D	500 acres													125	125
							TOTAL INVESTMENT COSTS								900	1600	1262	1652	2603	8260

RURAL DEVELOPMENT PACKAGE NUMBER : 18 : BUKIT PENINJAU RBD

PROJECT NUMBER	PROJECT NAME	SECTOR	DEPARTMENTS			SPECIFICATIONS	IMPLEMENTATION							INVESTMENT COSTS THOUSAND DOLLARS						
			PLANNING	IMPLEMENTING	BUDGET		1974	1975	1976	1977	1978	1979	1980	1975	1976	1977	1978	1979	1980	TOTAL
1	Semi – Detailed Soil Survey	Agriculture	D A	DA	D A	7 300 acres														
14	Management ADU	Agriculture	D A	A D U	D A									206		71	56	28	116	477
19	Clearing, Planting, Operating	Agriculture	A D U	PRIVATE	PRIVATE	6 450 acres gross, 5 805 acres net								90	448	408	462	490	472	2 370
183	Housing	Housing	PRIVATE	PRIVATE	PRIVATE	48 temporary housing units										15	10	22	25	72
214	Cocoa Drying Unit	Agricuture	A D U	PRIVATE	PRIVATE	1 unit											3			3
							TOTAL INVESTMENT COSTS							296	448	494	531	540	613	2 922

RURAL DEVELOPMENT PACKAGE NUMBER : 19 : BELURU RBD

PROJECT NUMBER	PROJECT NAME	SECTOR	DEPARTMENTS			SPECIFICATIONS	IMPLEMENTATION							INVESTMENT COSTS THOUSAND DOLLARS						
			PLANNING	IMPLEMENTING	BUDGET		1974	1975	1976	1977	1978	1979	1980	1975	1976	1977	1978	1979	1980	TOTAL
1	Semi – Detailed Soil Survey	Agriculture	DA	DA	DA	7 300 acres														
120	Management ADU	Agriculture	DA	ADU	DA										206		71	56	28	361
133	Clearing, Planting, Operating	Agriculture	ADU	PRIVATE	PRIVATE	6 880 acres gross, 5 290 acres net									90	448	408	462	490	1 898
183	Housing	Housing	PRIVATE	PRIVATE	PRIVATE	36 temporary units											25	12	18	54
214	Cocoa Drying Unit	Agriculture	ADU	PRIVATE	PRIVATE	1 unit												3		3
							TOTAL INVESTMENT COSTS								296	448	504	533	536	2 316

RURAL DEVELOPMENT PACKAGE NUMBER: 20: MARUDI - LONG LINEI ROAD AND MARUDI ROAD

PROJECT NUMBER	PROJECT NAME	SECTOR	DEPARTMENTS			SPECIFICATIONS	IMPLEMENTATION							INVESTMENT COSTS THOUSAND DOLLARS						
			PLANNING	IMPLEMENTING	BUDGET		1974	1975	1976	1977	1978	1979	1980	1975	1976	1977	1978	1979	1980	TOTAL
	Marudi - Long Linei Road	Transport	P W D	P W D	P W D	Secondary road														
1	Semi - Detailed Soil Survey, Marudi RBD Area	Agriculture	D A	D A	D A	5 000 acres														
121	Management A D U, Marudi RBD Area	Agriculture	D A	A D U	D A										206		71	61	49	387
134	Clearing, Planting, Operating, Marudi RBD Area	Agriculture	A D U	PRIVATE	PRIVATE	4 640 acres gross, 4 180 acres net									96	470	422	543	566	2 097
183	Housing, Marudi RBD Area	Housing	PRIVATE	PRIVATE	PRIVATE	55 temporary housing units											30	15	45	82
214	Cocoa Drying Unit, Marudi RBD	Agriculture	A D U	PRIVATE	PRIVATE	1 unit												3		3
							TOTAL INVESTMENT COSTS								302	470	523	622	660	2 569

RURAL DEVELOPMENT PACKAGE NUMBER : 21 : BINTULU 10th MILE RBD

PROJECT NUMBER	PROJECT NAME	SECTOR	DEPARTMENTS			SPECIFICATIONS	IMPLEMENTATION							INVESTMENT COSTS THOUSAND DOLLARS						
			PLANNING	IMPLEMENTING	BUDGET		1974	1975	1976	1977	1978	1979	1980	1975	1976	1977	1978	1979	1980	TOTAL
1	Semi – Detailed Soil Survey	Agriculture	D A	D A	D A	4 400 acres														
122	Management ADU	Agriculture	D A	A D U	D A										206		71	28	28	333
135	Clearing, Planting, Operating	Agriculture	A D U	PRIVATE	PRIVATE	3 670 acres gross, 3 300 acres net									96	470	416	482	396	1 860
183	Housing	Housing	PRIVATE	PRIVATE	PRIVATE	38 temporary units											30	15	12	57
214	Cocoa Drying Unit	Agriculture	A D U	PRIVATE	PRIVATE	1 unit													3	3
							TOTAL INVESTMENT COSTS								302	470	517	528	436	2 253

RURAL DEVELOPMENT PACKAGE NUMBER : 22 : BEKENU RBD

PROJECT NUMBER	PROJECT NAME	SECTOR	DEPARTMENTS			SPECIFICATIONS	IMPLEMENTATION							INVESTMENT COSTS THOUSAND DOLLARS						
			PLANNING	IMPLEMENTING	BUDGET		1974	1975	1976	1977	1978	1979	1980	1975	1976	1977	1978	1979	1980	TOTAL
1	Semi – Detailed Soil Survey	Agriculture	D A	D A	D A	2 200 acres														
123	Management A D U	Agriculture	D A	A D U	D A										206	0	71	56	28	361
136	Clearing, Planting, Operating	Agriculture	A D U	PRIVATE	PRIVATE	5 290 acres gross, 5 800 acres net									90	448	408	462	490	1 898
183	Housing	Housing	PRIVATE	PRIVATE	PRIVATE	38 temporary housing units											30	15	12	57
214	Cocoa Drying Unit	Agriculture	A D U	PRIVATE	PRIVATE	1 unit												3		3
							TOTAL INVESTMENT COSTS								206	448	509	536	530	2 319

RURAL DEVELOPMENT PACKAGE NUMBER : 23 : BELURU – LONG LAMA ROAD & LONG LAMA RBD

PROJECT NUMBER	PROJECT NAME	SECTOR	DEPARTMENTS			SPECIFICATIONS	IMPLEMENTATION							INVESTMENT COSTS THOUSAND DOLLARS						
			PLANNING	IMPLEMENTING	BUDGET		1974	1975	1976	1977	1978	1979	1980	1975	1976	1977	1978	1979	1980	TOTAL
42	Beluru – Long Lama Road	Transport	P W D	P W D	P W D	31 miles trunk road								2000	2000	2000				6 000
1	Semi – Detailed Soil Survey, Long Lama RBD Area	Agriculture	D A	D A	D A	5500 acres														
180	Management A D U, Long Lama RBD Area	Agriculture	D A	A D U	D A											206		71	56	333
177	Clearing, Planting, Operating, Long Lama RBD Area	Agriculture	A D U	PRIVATE	PRIVATE	4 100 acres gross, 3 700 acres net										96	470	422	543	1 531
183	Housing, Long Lama R B D Area	Housing	PRIVATE	PRIVATE	PRIVATE	52 temporary units												55	23	78
214	Cocoa Drying Unit, Long Lama RBD Area	Agriculture	A D U	PRIVATE	PRIVATE	1 unit													3	3
							TOTAL INVESTMENT COSTS							2000	2000	2302	470	548	625	7 945

RURAL DEVELOPMENT PACKAGE NUMBER: 24: MIRI-BINTULU ROAD – LABANG ROAD & LABANG TIMBER COMPLEX & LABANG

PROJECT NUMBER	PROJECT NAME	SECTOR	DEPARTMENT			SPECIFICATIONS	IMPLEMENTATION							INVESTMENT COSTS THOUSAND DOLLARS						
			PLANNING	IMPLEMENTING	BUDGET		1974	1975	1976	1977	1978	1979	1980	1975	1976	1977	1978	1979	1980	TOTAL
43	Labang Road	Transport	P W D	P W D	P W D	11.5 miles secondary road								1600	700					2300
40	Access Road Labang Timber Complex And Timong Village	Transport	P W D	P W D	P W D	4 miles trunk road								1040						1040
25	Sawmill/ Timber Complex/ Exploitation Labang Timber Area	Forestry	F D/Private	F D/Private	F D/Private									4300	4300					8600
69	Clearing Of Town Site, Timong Village	Public Services	P W D	P W D	P W D	100 acres								17						17
67	Airphoto Mapping, Timong Village	Public Services	L & S D	L & S D	L & S D															
1	Semi-Detailed Soil Survey, Labang RBD Area	Agriculture	L & S D	L & S D	L & S D	3600 acres														
68	Detailed Plan Of Village Area, Timong Village	Public Services	L & S D	L & S D	L & S D															
59	Destumping, Timong Village Area	Public Services	P W D	P W D	P W D	100 acres									25					25
37	Internal Roads / Drainage, Timong Village	Transport	L & S D	P W D	P W D	0.4 miles local tertiary road									8					8
28	Housing, Timong Village	Housing	HDC/Private	HDC/Private	HDC/Private	160 housing units									400	400				800
2008	Sewerage, Timong	Public Utilities	P W D	P W D	P W D											9	19			28
181	Management ADU Labang RBD Area	Agriculture	D A	A D U	D A											206		63	64	333
178	Clearing, Planting, Operating Labang RBD Area	Agriculture	A D U	Private	Private	3390 acres gross, 3050 acres net										96	470	416	482	1464
183	Housing Labang RBD Area	Housing	Private	Private	Private	114 temporary housing units											81	40	50	171
249	Miri-Bintulu Road – Paroh Road	Transport	P W D	P W D	P W D	10 miles improved feeder road												1200	300	1500
250	Timong-Nyal Road	Transport	P W D	P W D	P W D	14.4 miles improved feeder road												960	1200	2160
259	Kawang road	Transport	P W D	P W D	P W D	2 miles feeder road													240	240
							TOTAL INVESTMENT COSTS							6957	5433	711	570	2679	2336	18686

RURAL DEVELOPMENT PACKAGE NUMBER : 25 : KARABUNGAN

PROJECT NUMBER	PROJECT NAME	SECTOR	DEPARTMENTS			SPECIFICATIONS	IMPLEMENTATION							INVESTMENT COSTS THOUSAND DOLLARS						
			PLANNING	IMPLEMENTING	BUDGET		1974	1975	1976	1977	1978	1979	1980	1975	1976	1977	1978	1979	1980	TOTAL
2	Boundary Demarcation and Survey	Forestry	L & S D/F D	L & S D/F D	L & S D/F D	16 miles														
20	Cattle Scheme, Karabungan NLC	Agriculture	N L C	N L C	N L C	5600 gross, 5 000 net; 1000 heads								3284	2039	799				6 122
	Salvage Logging	Forestry	F D	PRIVATE	PRIVATE															
	Access Road	Transport	P W D	P W C	P W D	25 miles feeder road														
15	Cattle Scheme, Karabungan D A	Agriculture	D A	D A	D A	2 800 gross, 2 500 net; 6 000 head								812	546	1836	640			3 834
257	Cattle Scheme, Karabungan Private	Agriculture	PRIVATE	PRIVATE	PRIVATE	6 800 gross, 6125 net; 12 250 head													835	835
							TOTAL INVESTMENT COSTS							4096	2585	2635	640		835	10 791

RURAL DEVELOPMENT PACKAGE NUMBER : 26 : BINTULU UNIVERSITY (SIBIU)

PROJECT NUMBER	PROJECT NAME	SECTOR	DEPARTMENTS			SPECIFICATIONS	IMPLEMENTATION							INVESTMENT COSTS THOUSAND DOLLARS						
			PLANNING	IMPLEMENTING	BUDGET		1974	1975	1976	1977	1978	1979	1980	1975	1976	1977	1978	1979	1980	TOTAL
	Semi – Detailed Soil Survey	Agriculture	DA	DA	DA	4 200 acres														
2	Boundary Survey and Demarcation	Agriculture	L & S D / FD	L & S D/FD	L & S D/FD	23 miles														
24	Logging Virgin Forest	Forestry	F D	PRIVATE	PRIVATE	3000 acres private licence, 900 acres FAO I														
155	Bintulu University Complex	Public Services	E D	ED	E D										1000	1000	1000	1000	1000	5 000
125	Clearing, Planting, Operating	Agriculture	D A	D A	D A	2 900 acres gross, 2 600 acres net									76	391	533	613	358	1 971
							TOTAL INVESTMENT COSTS								1076	1 391	1533	1 613	1358	1 971

RURAL DEVELOPMENT PACKAGE NUMBER : 27: BINTULU TIMBER COMPLEX (UNIT I)

PROJECT NUMBER	PROJECT NAME	SECTOR	DEPARTMENTS			SPECIFICATIONS	IMPLEMENTATION							INVESTMENT COSTS THOUSAND DOLLARS						
			PLANNING	IMPLEMENTING	BUDGET		1974	1975	1976	1977	1978	1979	1980	1975	1976	1977	1978	1979	1980	TOTAL
26	Sawmill, Timber Complex, Exploitation Bintulu Timber Area	Forestry	FD/PRIVATE	FD/PRIVATE	FD/PRIVATE									8600						8 600
146	Sigrak Road	Transport	P W D	P W D	P W D	4 miles improved feeder road									600					600
147	Sigrak Service Centre – Sigrak Village Road	Transport	P W D	P W D	P W D	2.8 miles feeder road									336					336
251	Sigrak – Takau Road	Transport	P W D	P W D	P W D	4 miles improved feeder road												600		600
260	Azang Village Road	Transport	P W D	P W D	P W D	2.1 miles feeder road													252	252
							TOTAL INVESTMENT COSTS							8600	936			600	252	10388

RURAL DEVELOPMENT PACKAGE NUMBER : 28 : SUAI TIMBER COMPLEX (UNIT 3)

PROJECT NUMBER	PROJECT NAME	SECTOR	DEPARTMENTS			SPECIFICATIONS	IMPLEMENTATION							INVESTMENT COSTS THOUSAND DOLLARS						
			PLANNING	IMPLEMENTING	BUDGET		1974	1975	1976	1977	1978	1979	1980	1975	1976	1977	1978	1979	1980	TOTAL
41	Kabatu Road	Transport	P.W.D	P.W.D	P.W.D	13.3 miles improved feeder road								1350	645					1 995
143	Sawmill, Timber Complex, Exploitation Suai Timber Area	Forestry	FD/PRIVATE	FD/PRIVATE	FD/PRIVATE										8600					8 600
							TOTAL INVESTMENT COSTS							1350	9245					10 595

RURAL DEVELOPMENT PACKAGE NUMBER·29· MIRI – BINTULU ROAD

PROJECT NUMBER	PROJECT NAME	SECTOR	DEPARTMENTS			SPECIFICATIONS	IMPLEMENTATION							INVESTMENT COSTS THOUSAND DOLLARS						
			PLANNING	IMPLEMENTING	BUDGET		1974	1975	1976	1977	1978	1979	1980	1975	1976	1977	1978	1979	1980	TOTAL
46	Miri – Bintulu Road Improvement	Transport	P W D	P W D	P W D									2000	4000	3000				9 000
47	Miri – Bintulu Road Surfacing	Transport	P W D	P W D	P W D	70 miles of premix surface								500	2000	2000	4000	4000	4000	16 500
48	Bridges Miri – Bintulu Road	Transport	P W D	P W D	P W D	9 units								250	500	500	250			1 500
186	Batang Kemena Road	Transport	P W D	P W D	P W D	4 miles trunk road										1040				1 040
							TOTAL INVESTMENT COSTS							2750	6500	6540	4250	4000	4000	28 040

Table 7.1

TOWN DEVELOPMENT PACKAGE NUMBER : I : MIRI

PROJECT NUMBER	PROJECT NAME	SECTOR	DEPARTMENT			SPECIFICATIONS	IMPLEMENTATION							INVESTMENT COSTS THOUSAND DOLLARS						
			PLANNING	IMPLEMENTING	BUDGET		1974	1975	1976	1977	1978	1979	1980	1975	1976	1977	1978	1979	1980	TOTAL
51	Extension Miri Airport	Transport	P W D	P W D	P W D									4000	2000					6000
49	Miri- Lutong Road Improvement	Transport	P W D	P W D	P W D	7 miles								500	500					1000
111	Industrial Estate No. 1	Industries	B D C	B D C	B D C	50 industrial units								2500						2500
66	Town Plan	Public Services	L & S D	L & S D	L & S D															
29	Housing	Housing	HDC/Private /PWD	HDC/Private /PWD	HDC/Private /PWD	1395 housing units								2063	2063	2063	2063	2063	2063	12378
107	Retail	Private Services	Private/SEDC	Private/SEDC	Private/SEDC	225 trade units								4300	4300	4300	4300	4300	4300	25800
108	Wholesale	Private Services	Private/SEDC	Private/SEDC	Private/SEDC	15 trade units								500	500	500	500	500	500	3000
109	Specialised Private Services	Private Services	Private	Private	Private	25 spec. units								180	180	180	180	180	180	1080
110	Other Private Services	Private Services	Private	Private	Private	75 spec. units								1062	1062	1062	1062	1062	1062	6372
50	Urban Roads	Transport	L & S D	P W D	P W D									500	500	500	500	500	500	3000
77	Water Supply	Public Utilities	P W D	P W D	P W D	Pipelines, distribution								240	1640	240	940	512	276	3848
78	Sewerage	Public Utilities	P W D	P W D	P W D									383	313	2033	4414	3562	1612	12317
90	Cleansing, Refuse Disposal, Street Lighting	Public Utilities	DC/SESCO	DC/SESCO	DC/SESCO									227	212	227	227	299	299	1491
97	Electricity	Public Utilities	SESCO	SESCO	SESCO									2250	2350	2350	2350	500	500	10300
101	Telecommunication	Public Utilities	Telecoms	Telecoms	Telecoms									1780	100	51	139	797	49	2916
70A	Government Office Complex	Public Services	L & S D	P W D	P W D									1000	1000					2000
65	Post Office Class A	Public Services	P S D	P W D	P S D									450						450
192	General Hospital	Public Services	M D	P W D	M D											3000	3000	3000	3000	12000
57	Primary School No. 1	Public Services	E D	P W D	E D										427					427
72	Kindergarten No. 1	Public Services	L & S D	P W D/DC	D C										50					50
156	Miscellaneous Public Buildings	Public Services	P W D	P W D	P W D										100	100				200
191	Vocational School	Public Services	E D	P W D	E D									1527						1527
203	Industrial Estate No. 2	Industries	S E D C	S E D C	S E D C	50 Industrial units										2000	2000			4000
221	Miri Port Improvement	Transport	P W D	P W D	P W D												2000	2000		4000
57	Primary School No. 2	Public Services	E D	P W D	E D	2 streams, permanent											400			400
72	Kindergarten No. 2	Public Services	L & S D	P W D/DC	D C												50			50
154	Lower Secondary School	Public Services	E D	P W D	E D	2 streams, permanent											565	500		1065
252	Mosque	Public Services	S P U	P W D	S P U													500	500	1000
57	Primary School, No. 3	Public Services	E D	P W D	E D	1 stream unit, permanent													400	400
72	Kindergarten, No. 3	Public Services	L & S D	P W D/DC	D C														50	50
							TOTAL INVESTMENT COSTS							[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

Table 7.2

TOWN DEVELOPMENT PACKAGE NUMBER : 2 : BINTULU

PROJECT NUMBER	PROJECT NAME	SECTOR	DEPARTMENT: PLANNING	DEPARTMENT: IMPLEMENTING	DEPARTMENT: BUDGET	SPECIFICATIONS	1975	1976	1977	1978	1979	1980	TOTAL
							INVESTMENT COSTS THOUSAND DOLLARS						
44	Bintulu – Tg. Kidurong Road	Transport	PWD	PWD	PWD	10 miles trunk road	1800	2000	200				4000
66	Town Plan, Bintulu	Public Services	L&SD	L&SD	L&SD								
30	Housing, Bintulu	Housing	HDC/ Private	HDC/ Private	HDC/ Private	1314 housing units	1940	1940	1940	1940	1940	1940	11 640
79	Water Supply, Bintulu	Public Utilities	PWD	PWD	PWD	Head work, pipelines distribution	370	130	130	280	726	130	1 766
80	Sewerage, Bintulu	Public Utilities	PWD	PWD	PWD		305	1910	1575	672	1791	1141	7394
91	Cleansing, Refuse Disposal, Street lighting Bintulu	Public Utilities	DC/SESCO	DC/SESCO	DC/SESCO		97	177	172	127	161	181	915
98	Electricity, Bintulu	Public Utilities	SESCO	SESCO	SESCO		670	670	670	670	670	670	4 020
102	Telecommunication, Bintulu	Public Utilities	TELECOMS	TELECOMS	TELECOMS		35	11	1 391	74	202	774	2 487
107	Retail, Bintulu	Private Services	SEDC/ Private	SEDC/Private	SEDC/Private	120 trade units	2 300	2300	2300	2300	2300	2300	13 800
108	Wholesale, Bintulu	Private Services	SEDC/ Private	SEDC/Private	SEDC/Private	20 trade units	670	670	670	670	670	670	4 020
109	Specialised Private Services, Bintulu	Private Services	Private	Private	Private	30 spec. units	225	225	225	225	225	225	1 350
110	Other Private Services, Bintulu	Private Services	Private	Private	Private	50 spec. units	708	708	708	708	708	708	4248
52	LNG Road	Transport	Private	Private	Private	0.9 mile trunk road	135	135					270
45	Miri-Bintulu Road to Bintulu-Tg. Kidurong Road	Transport	PWD	PWD	PWD	4.7 miles trunk road	780	442					1 222
57	Primary School No. 1, Bintulu	Public Services	ED	PWD	ED	2 streams Permanent	400						400
72	Kindergarten No. 1, Bintulu	Public Services	L&SD	PWD/DC	DC		50						50
708	Government Office Complex, Bintulu	Public Services	L&SD/PWD	PWD	PWD		400	400					800
150	Urban roads, Bintulu	Transport	L&SD	PWD	PWD	6.0 miles improved feeder road		180	180	180	180	180	900
154	Lower Secondary School, Bintulu	Public Services	ED	PWD	ED	2 streams Permanent		565	500				1 065
157	Miscellaneous Public Buildings, Bintulu	Public Services	PWD	PWD	PWD			100					100
164	Glass Factory, Bintulu	Industries	SEDC/Private	SEDC/Private	SEDC/Private			4 750					4 750
165	Bottling Plant, Bintulu	Industries	SEDC/Private	SEDC/Private	SEDC/Private			600	600				1 200
188	Deep Water Port, Tg. Kidurong	Transport	PWD	PWD	PWD				20000	20000	20000	15000	75000
57	Primary School No. 2, Bintulu	Public Services	ED	PWD	ED	1 stream unit Permanent			400				400
72	Kindergarten No. 2, Bintulu	Public Services	L&SD	PWD/DC	DC				50				50
190	Junior College, Bintulu	Public Services	ED	PWD	ED				3000	2300			5300
193	District Police Station, Bintulu	Public Services	RMP	PWD	RMP				382	300			682
204	Industrial Estate, Bintulu	Industries	SEDC	SEDC	SEDC	50 Industrial units			1000	3000			4000
223	General Hospital, Bintulu	Public Services	MD	PWD	MD					2000	2000	2000	6000
57	Primary School No. 3, Bintulu	Public Services	ED	PWD	ED	2 streams Permanent					400		400
72	Kindergarten No. 3, Bintulu	Public Services	L&SD	PWD/DC	DC						50		50
253	Vocational School, Bintulu	Public Services	ED	PWD	ED						750	777	1 527
						TOTAL INVESTMENT COSTS	10885	17913	36093	35446	32773	26696	159806

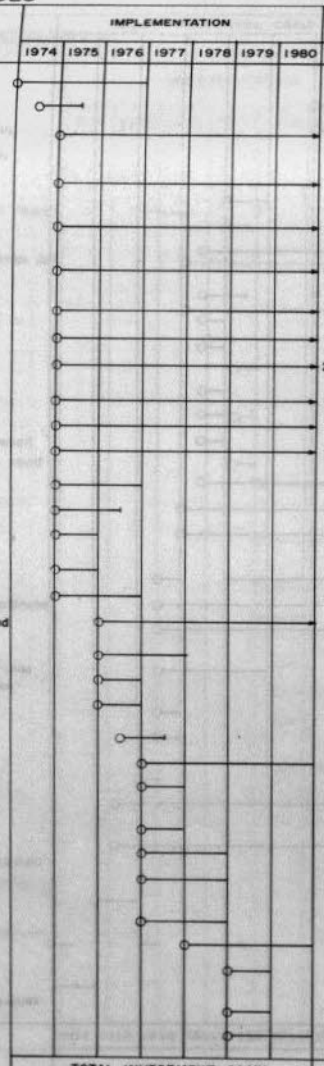


Table 7.3

RURAL DEVELOPMENT PACKAGE NUMBER: 5: IGANG ESTATE

PROJECT NUMBER	PROJECT NAME	SECTOR	DEPARTMENT: PLANNING	DEPARTMENT: IMPLEMENTING	DEPARTMENT: BUDGET	SPECIFICATIONS	INVESTMENT COSTS THOUSAND DOLLARS 1975	1976	1977	1978	1979	1980	TOTAL
	Access Road, Igang Area	Transport	P W D	P W D	P W D	0.8 mile trunk road, 2.0 miles improved feeder road							
2	Boundary Survey And Demarcation, Igang And Sawai And Jatan Areas	Agriculture	L&S D/F D	L&S D/F D	L&S D/F D	10 miles							
21	Salvage Logging Igang And Sawai And Jatan Areas	Forestry	F D/ Private	Private	Private	15790 acres							
8	Clearing, Planting, Operating Igang And Sawai And Jatan Areas	Agriculture	S L D B	S L D B	S L D B	15790 acres gross, 13690 acres net	352	1544	864	2566	1219	3825	10370
9	Management SLDB Igang And Sawai And Jatan Areas	Agriculture	S L D B	S L D B	S L D B		57	70	144	286	100	310	967
67	Airphoto / Mapping Igang Town Area	Public Services	L & S D	L & S D	L & S D								
68	Detailed Planning Igang Town Area	Public Services	L & S D	L & S D	L & S D								
59	Destumping Igang Town Area	Public Services	S L D B	S L D B	S L D B	580 acres		145					145
37	Internal Roads / Drainage Igang	Transport	L & S D	PWD/SLDB	PWD/SLDB	6 miles local primary road, 4 miles local secondary road		200	200	190			590
28	Housing, Igang	Housing	S L D B	S L D B	S L D B	628 housing units		349	697	697	697	700	3140
159	Water Supply, Igang	Public Utilities	P W D	P W D	P W D	Headworks, Pipelines, Distribution		779	1112	85	85	85	2146
162	Electricity, Igang	Public Utilities	SESCO	SESCO	SESCO			180		380	530	650	1740
200	Sewerage, Igang	Public Utilities	PWD	P W D	P W D				446	811	130	10	1397
197	Telecommunications, Igang	Public Utilities	TELECOMS	TELECOMS	TELECOMS				30	529	6	5	570
202	Cleansing, Refuse Disposal, Street Lighting	Public Utilities	SLDB/SESCO	SLDB/SESCO	SLDB/SESCO				80	134	101	96	411
54	Primary School No. 1	Public Services	E D	P W D	E D	1 stream, semi-permanent			288				288
61	Community Health Centre	Public Services	M D	P W D	M D				137				137
153	Minor Police Station	Public Services	R M P	P W D	R M P				314				314
189	Public Transport	Transport	M C W	Private	Private	2 buses, 1 bus station			75				75
58	Community Hall	Public Services	D C	P W D	D C				30				30
106	Shops And Coffee Houses	Private Services	Private/SEDC	Private/SEDC	Private/SEDC	30 service units			900	900			1800
56	Parks And Playgrounds	Public Services	D C	P W D	D C	5 acres			1	3	3	3	10
63	Post Office Class C	Public Services	P S D	P W D	P S D					82			82
60	Religious Building	Public Services	S P U	P W D	S P U					50			50
54	Primary School No. 2	Public Services	E D	P W D	E D	1 stream, semi-permanent						288	288
55	Lower Secondary School	Public Services	E D	P W D	E D	2 streams, semi-permanent						776	776
222	Sub-District Firebrigade	Public Services	D C	P W D	D C							151	151
266	Cinema	Private Services	Private	Private	Private							300	300
						TOTAL INVESTMENT COSTS	409	3267	5318	6713	2871	7199	25777

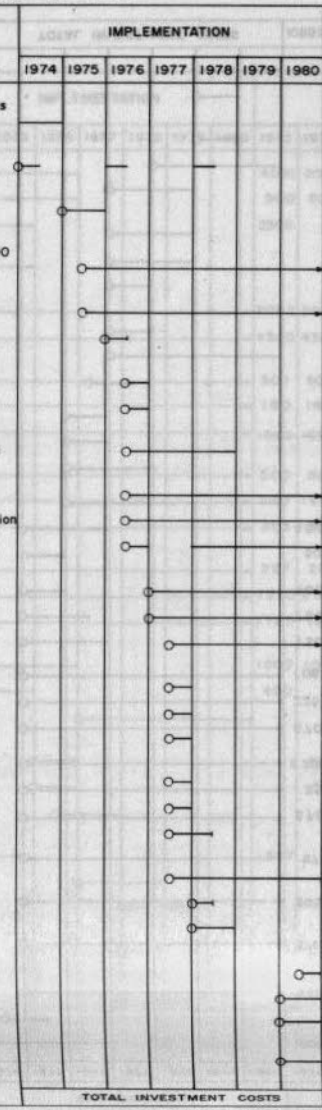


Table 7.4

RURAL DEVELOPMENT PACKAGE NUMBER: 7: SEBANAH

PROJECT NUMBER	PROJECT NAME	SECTOR	DEPARTMENT: PLANNING	DEPARTMENT: IMPLEMENTING	DEPARTMENT: BUDGET	SPECIFICATIONS	INVESTMENT COSTS THOUSAND DOLLARS 1975	1976	1977	1978	1979	1980	TOTAL
2	Boundary Survey & Demarcation, Sebanah Public Area	Agriculture	L&SD/FD	L&SD/FD	L&SD/FD	22 miles							
39	Igang-Sebanah road	Transport	PWD	PWD	PWD	6.9 miles improved feeder road	585	450					1035
118	Clearing, Planting, Operating Sebanah Public Area	Agriculture	SLDB	SLDB	SLDB	4990 acres gross, 4130 acres net		400	1774	729	1081	101	4086
119	Management SLDB Sebanah Public Area	Agriculture	SLDB	SLDB	SLDB			72	154	67	131		424
67	Airphoto / Mapping Sebanah Village	Private Services	L&SD	L&SD	L&SD								
68	Detailed Planning Sebanah Village	Private Services	L&SD	L&SD	L&SD								
59	Destumping, Sebanah Village	Private Services	SLDB	SLDB	SLDB	400 acres			100				100
37	Internal Roads / Drainage, Sebanah Village	Transport	L&SD	PWD/SLDB	PWD/SLDB	2.2 miles local tertiary road 1.4 miles improved feeder road			254				254
28	Housing, Sebanah Village	Housing	SLDB	HDC	Private	265 housing units				662	663		1325
232	Sewerage, Sebanah	Public Utilities	PWD	PWD	PWD					15	29		44
209	Management ADU Sebanah Public And RBD Areas	Agriculture	DA	ADU	DA					397	60		457
215	Rice mills, Sebanah	Agriculture	ADU	Private	Private	2 units				4			4
54	Primary School, Sebanah	Public Services	ED	PWD	ED	1 stream semi-permanent				288			288
56	Parks And Playgrounds, Sebanah	Public Services	DC	PWD	DC	2 acres				2	2		4
58	Community Hall, Sebanah	Public Services	SLDB	SLDB	SLDB					30			30
106	Shops And Coffeehouses, Sebanah	Public Services	Private/SEDC	Private/SEDC	Private/SEDC	6 Service units				180	180		360
64	Postal Agent, Sebanah	Public Services	PSD	PSD	PSD						50		50
60	Religious Building, Sebanah	Public Services	SPU	PWD	SPU								
243	Clearing, Planting, Operating Sebanah RBD Areas	Agriculture	ADU	Private	Private	1530 acres gross, 1380 acres net					60	317	377
244	Clearing, Planting, Operating Sebanah Private Area	Agriculture	Private	Private	Private	1222 acres gross, 1100 acres net					36	192	228
214	Cocoa Drying Units, Sebanah	Agriculture	SLDB	Private	Private	3 units						9	9
						TOTAL INVESTMENT COSTS	585	922	2283	2374	2292	619	9075

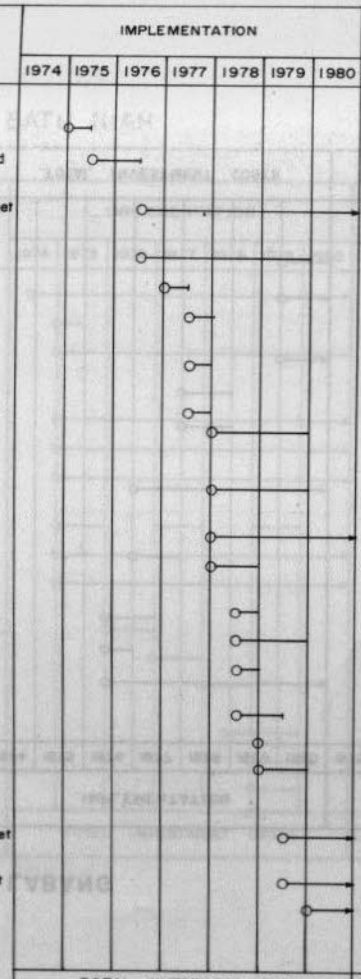


Table 7.5

TOWN DEVELOPMENT PACKAGE NUMBER : 10 : LABANG

PROJECT NUMBER	PROJECT NAME	SECTOR	DEPARTMENTS			SPECIFICATIONS	IMPLEMENTATION							INVESTMENT COSTS THOUSAND DOLLARS						
			PLANNING	IMPLEMENTING	BUDGET		1974	1975	1976	1977	1978	1979	1980	1975	1976	1977	1978	1979	1980	TOTAL
144	Housing	Housing	PRIVATE	PRIVATE	PRIVATE	41 housing units									33	66	66	66	70	301
152	Village Police Post	Public Services	RMP	PWD	RMP										15					15
71	Sub District Office	Public Services	R&DO	PWD	PWD										224	200				424
37	Internal Road	Transport	L&SD	PWD	PWD	1 mile local primary road										75				75
64	Postal Agent	Public Services	PSD	PWD	PSD															
106	Shops & Coffee houses	Private Services	PRIVATE	PRIVATE	PRIVATE	4 service units										60	60	60	60	240
55	Lower Secondary School	Public Services	ED	PWD	ED	2 streams, semi-permanent											776			776
56	Parks & Playgrounds	Public Services	DC	PWD	DC	2 acres											4			4
262	Sewerage	Public Utilities	PWD	PWD	PWD														51	51
264	Electricity	Public Utilities	SESCO	SESCO	SESCO														120	120
60	Religious Building	Public Services	SPU	PWD	SPU														50	50
							TOTAL INVESTMENT COSTS								272	401	906	126	351	2 056

Table 7.6

TOWN DEVELOPMENT PACKAGE NUMBER : 5 : BATU NIAH

PROJECT NUMBER	PROJECT NAME	SECTOR	DEPARTMENTS			SPECIFICATIONS	IMPLEMENTATION							INVESTMENT COSTS THOUSAND DOLLARS						
			PLANNING	IMPLEMENTING	BUDGET		1974	1975	1976	1977	1978	1979	1980	1975	1976	1977	1978	1979	1980	TOTAL
86	Sewerage	Public Utilities	P W D	P W D	P W D									64	54	54	54	80	86	392
66	Town Plan	Public Services	L & S D	L & S D	L & S D															
37	Internal Roads	Transport	L & S D	P W D	P W D	4.2 miles local tertiary roads, 1.5 miles local primary roads								33	33	33	33	33	33	198
33	Housing	Housing	PRIVATE	PRIVATE	PRIVATE	155 housing units								235	235	235	235	235	238	1 413
85	Water Supply	Public Utilities	P W D	P W D	P W D	Head works, pipelines, distribution								336	95	15	65	10	10	561
94	Cleansing, Refuse Disposal, Street Lighting	Public Utilities	DC/SESCO	DC/SESCO	DC/SESCO									9	39	15	15	17	17	112
100	Electricity	Public Utilities	SESCO	SESCO	SESCO									115		180		180		475
104	Telecomunication	Public Utilities	TELECOMS	TELECOMS	TELECOMS									306	1	1	1	1	1	311
106	Shops & Coffee houses	Private Services	SEDC/PRIVATE	SEDC/PRIVATE	SEDC/PRIVATE	11 service units								110	110	110	110	110	110	660
153	Minor Police Station	Public Services	R M P	P W D	R M P										314					314
63	Post Office Class C	Public Services	P S D	P W D	P S D											82				82
54	Primary School	Public Services	E D	P W D	E D	1 stream, semi – permanent											288			288
56	Parks & Playgrounds	Public Services	DC	P W D	DC	2 acres											2	2		4
222	Sub – District Fire Brigade	Public Services	DC	P W D	DC													151		151
60	Religious Building	Public Services	SPU	P W D	SPU													50		50
							TOTAL INVESTMENT COSTS							1238	881	725	803	869	495	5 011

Table 7.7

TOWN DEVELOPMENT PACKAGE NUMBER : 7 : BEKENU

PROJECT NUMBER	PROJECT NAME	SECTOR	DEPARTMENTS			SPECIFICATIONS	IMPLEMENTATION							INVESTMENT COSTS THOUSAND DOLLARS						
			PLANNING	IMPLEMENTING	BUDGET		1974	1975	1976	1977	1978	1979	1980	1975	1976	1977	1978	1979	1980	TOTAL
35	Housing	Housing	PRIVATE	PRIVATE	PRIVATE	48 housing units								69	69	69	69	69	71	416
58	Community Hall	Public Services	DC	PWD	DC									30						30
56	Parks & Playgrounds	Public Services	DC	PWD	DC	2 acres								4						4
106	Shops & Coffee houses	Private Services	SEDC/PRIVATE	SEDC/PRIVATE	SEDC/PRIVATE	6 service units								60	60	60	60	60	60	360
37	Internal Roads	Transport	L & S D	PWD	PWD	0.5 mile local primary road											37			37
235	Sewerage	Public Utilities	PWD	PWD	PWD												51	46	47	144
237	Cleansing, Refuse Disposal, Street Lighting	Public Utilities	DC/SESCO	DC/SESCO	DC/SESCO												8	13	8	29
227	Telecommunication	Public Utilities	TELECOMS	TELECOMS	TELECOMS												141		1	142
230 B	Electricity	Public Utilities	SESCO	SESCO	SESCO												115			115
60	Religious Building	Public Services	S P U	PWD	S P U												50			50
							TOTAL INVESTMENT COSTS							163	129	129	531	188	187	1 338

Table 7.8

TOWN DEVELOPMENT PACKAGE NUMBER : 6 : BELURU

PROJECT NUMBER	PROJECT NAME	SECTOR	DEPARTMENTS			SPECIFICATIONS	IMPLEMENTATION							INVESTMENT COSTS THOUSAND DOLLARS						
			PLANNING	IMPLEMENTING	BUDGET		1974	1975	1976	1977	1978	1979	1980	1975	1976	1977	1978	1979	1980	TOTAL
34	Housing	Housing	PRIVATE	PRIVATE	PRIVATE	77 housing units								119	119	119	119	119	119	714
62	Police Post	Public Services	RMP	PWD	RMP									125						125
71	Sub-District Office	Public Services	R&DO	PWD	PWD									424						424
58	Community Hall Beluru	Public Services	DC	PWD	DC									30						30
106	Shops & Coffee houses	Private Services	SEDC/PRIVATE	SEDC/PRIVATE	SEDC/PRIVATE	6 service units								60	60	60	60	60	60	360
37	Internal Roads	Transport	L&SD	PWD	PWD	1 mile local primary road											25	25	25	75
234	Sewerage	Public Utilities	PWD	PWD	PWD												51	46	47	144
236	Cleansing, Refuse Disposal, Street Lighting	Public Utilities	DC/SESCO	DC/SESCO	DC/SESCO												8	13	8	29
226	Telecommunication	Public Utilities	TELECOMS	TELECOMS	TELECOMS												141		1	142
61	Community Health Centre	Public Services	MD	PWD	MD												137			137
230 A	Electricity	Public Utilities	SESCO	SESCO	SESCO												120			120
63	Post Office Class C	Public Services	PSD	PWD	PSD													82		82
56	Parks & Playgrounds	Public Services	DC	PWD	DC	2 acres													4	4
							TOTAL INVESTMENT COSTS							758	179	179	661	345	264	2 386

Table 7.9

TOWN DEVELOPMENT PACKAGE NUMBER : 3 : MARUDI

PROJECT NUMBER	PROJECT NAME	SECTOR	DEPARTMENTS			SPECIFICATIONS	IMPLEMENTATION							INVESTMENT COSTS THOUSAND DOLLARS						
			PLANNING	IMPLEMENTING	BUDGET		1974	1975	1976	1977	1978	1979	1980	1975	1976	1977	1978	1979	1980	TOTAL
31	Housing	Housing	HDC	PWD	PRIVATE	155 housing units								235	235	235	235	235	238	1 413
81	Water Supply	Public Utilities	PWD	PWD	PWD	Pipelines, distribution								72	22	22	83	33	33	265
82	Sewerage	Public Utilities	PWD	PWD	PWD									52	17	17	317	558	119	1 080
92	Cleansing, Refuse Disposal, Street Lighting	Public Utilities	DC/SESCO	DC/SESCO	DC/SESCO									44	13	14	43	14	24	152
99	Electricity	Public Utilities	SESCO	SESCO	SESCO									230	230	50	50	50	50	660
103	Telecommunication	Public Utilities	TELECOMS	TELECOMS	TELECOMS									1	11	32	332	152	12	540
66	Town Plan	Public Services	L&SD	L&SD	L&SD															
37	Internal Roads	Transport	L&SD	PWD	PWD	4 miles local tertiary road 1 mile local primary road										40	40	40	35	155
54	Primary School	Public Services	ED	PWD	ED	1 stream, semi-permanent											288			288
56	Parks & Playgrounds	Public Services	DC	PWD	DC	5 acres											10			10
106	Shops & Coffee houses	Private Services	SEDC/PRIVATE	SEDC/PRIVATE	SEDC/PRIVATE	11 service units												320	320	640
55	Lower Secondary School	Public Services	ED	PWD	ED	2 streams, semi-permanent													776	776
							TOTAL INVESTMENT COSTS							634	528	410	1398	1402	1607	5 979

Table 7.10

TOWN DEVELOPMENT PACKAGE NUMBER : 4 : LONG LAMA

PROJECT NUMBER	PROJECT NAME	SECTOR	DEPARTMENTS			SPECIFICATIONS	IMPLEMENTATION							INVESTMENT COSTS THOUSAND DOLLARS						
			PLANNING	IMPLEMENTING	BUDGET		1974	1975	1976	1977	1978	1979	1980	1975	1976	1977	1978	1979	1980	TOTAL
66	Town Plan	Public Services	L&SD	L&SD	L&SD															
55	Lower Secondary School	Public Services	ED	ED	ED	2 streams, semi-permanent								776						776
32	Housing	Housing	PRIVATE	PRIVATE	PRIVATE	310 housing units								455	455	455	455	455	455	2 730
83	Water Supply	Public Utilities	P W D	P W D	P W D	Pipeline, distribution								27	13	13	40	97	93	283
84	Sewerage	Public Utilities	P W D	P W D	P W D									10	11	156	191	166	32	566
93	Cleansing, Refuse Disposal, Street Lighting	Public Utilities	DC/SESCO	DC/SESCO	DC/SESCO									8	8	48	28	30	57	179
106	Shops & Coffee houses	Private Services	SEDC/PRIVATE	SEDC/PRIVATE	SEDC/PRIVATE	21 service units								210	210	210	210	210	210	1 260
56	Parks & Playgrounds	Public Services	DC	P W D	DC	5 acres								10						10
195	Electricity	Public Utilities	SESCO	SESCO	SESCO											120		180	180	480
198	Telecommunication	Public Utilities	TELECOMS	TELECOMS	TELECOMS											369	732	3	6	1 110
37	Internal Road	Transport	L&SD	P W D	P W D	2.9 miles local tertiary road, 4.1 miles internal feeder road											615	29	29	673
54	Primary School	Public Services	ED	P W D	ED	1 stream, semi - permanent											288			288
							TOTAL INVESTMENT COSTS							1496	697	1371	2559	1140	1062	8 305

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