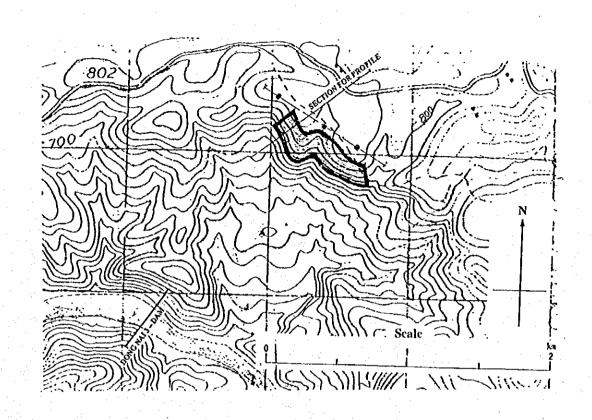


그리는 사람이 되는 이 남의 등이 이 모든 이 모든데 모든 생각을 되는 것을 하는 것은	
그들은 사람이 많은 사람들은 아무리는 사람들이 얼마를 가는 것이 살아 없다는 것이다.	
도시 보는 사고 있는 이 보는 하다는 사람들은 사람들이 되는 것이 되는 것이 말하면 다른 것이다. 그렇게 되었다. 그는 사람들이 되었다는 사람들은 사람들은 기계를 보고 있는 것이 없는 것이다. 그렇게 하는 것이 되었다는 것이다.	
그는 한 발표하면 되었다. 하늘하는 보고 하는 분들에게 살고난 나무를 하다면서 있었다. 그 하는	
보는 문문을 가는데 그런 것은 사람들이 전략되었다. 모든 아이에 회원보의 문학 방향과	
이 경우 하는 경우 아들은 소문을 하는 것들이 되는 것들은 얼마를 함께 되는 것들은 학교를 다쳤다.	
그는 생님은 그는 그는 전에 하고 그들이 한 것이는 사람들이 생각을 만들는 것은 목적으로 받았다.	
나는 이 그는 그는 그는 그들이 그 아이를 보는 이번 되는 이번 경기를 받는 작년이다. 한번호	
그리는 그는 그는 그리는 그리고 그리고 그는 전 있는 이는 경우에 살맞히 결혼하고 했다.	
그들이 모든 그는 그들은 그들은 그는 그는 일반 시간 모든 사람들 중요한 경우를 통해 되었다.	
그 보는 그 가진 아내는 이 시간 사람이 되고 가게 그릇 만든 반장 분들 살아지는 것만 살아 나를 짓렴.	
어느님은 이번에 이번에 그는 일반에 살아가는 그들은 만들은 말을 하는 것이다. 얼마나 얼마나 다른 아니는 그들은	
the control of the co	and the second of the second o



QUARRY SITE FOR DONG NAI No.3

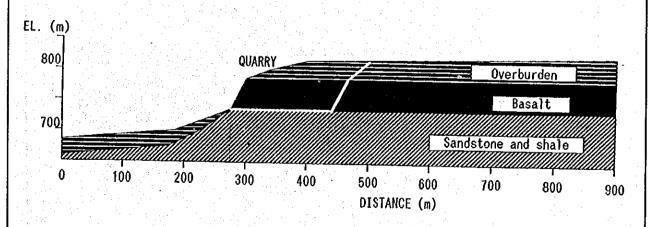
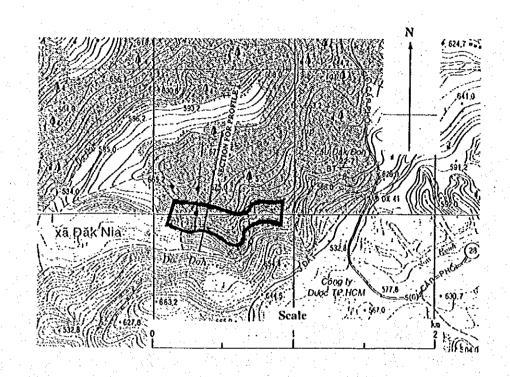


Figure 8.2 Quarry Site for Dong Nai No.3



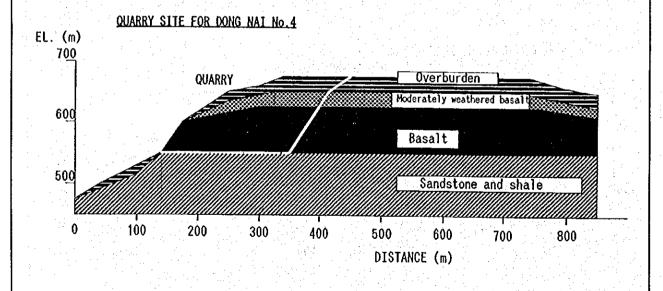


Figure 8.3 Quarry Site for Dong Nai No.4

Figure 8.4 Implementation Schedule of Dong Nai 3-4 HPP

Activities	Duration	1999	2000	2001	2002	2003	2004	2002	2006	2007	2008		2002
	(month)	I n m v	I n mw		I II III IV	I II III IV	v n n	ī	u m v 1 n m v	/ I II III IV	V I I II III IV	,1	n m N
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Appraisal by the Vietnamese Government			-		· .								
Appraisal of Feasibility Study			I						_				
Decision of Project Implementation	•		>			-	_	_	_	 			
Appraisal of EIA and RAP			I										
Loan Request			>										
A section of the Parish and Assessment			.,d										
Appropriate of Lending Assert			-										_
Loan Aggreement		- 1		<u> </u>									
Selection of Consultant	<u>ش</u>			I	-	-							
Detailed Design/Tender Documents		-					-						
For No.3 HPP	18		-	_									
EAN A GOOD	· ·		_		-					_			
	}			_ - -	/								
Procurement of Works (LCB bid process)		_		_	_		-	~					
For No.3 HPP	٥			1	1	-					_		
For No.4 HPP	ý		 	-	l	-			-				
													_
Procurement of Works (ICB bid process)	.:												-
For No.3 HPP											-		_
Diversion tunnel	12		_		222								_
Civil Work	<u> </u>					-						_	
Tilester on Mechanical		4		_		-	_						
The No 4 TIND	}						L					_	
FOR NO.4 FIFE	•			-	-				<u> </u>			-	
Diversion tunnel	22												_
Civil Work	15		_	-	8								·-
Electrical and Mechanical works	1.5				-	222	I						
			-		-					-			
Construction Work	,			-	-								
Preparatory work (LCB)									-		_		
For No.3 HPP	18			_			_						
For No.4 HPP	18						_						
				-						· .			
Main constuction work (LCB)			-						_		_		_
For No.3 APP													
Diversion tunnel	13			-						_			
Civil Work	84										 T	_	
Electrical and Mechanical works	4			-							 		
For No.4 HPP									_			_	
Diversion tunnel	ន								-				
Givil Work	8											I	
Electrical and Mechanical works	88						1			l		1	
Power Plant Commissioning											-		
For No.3 HPP							-			-	*		
For No.4 HPP											·	•	
										_	· · · ·		

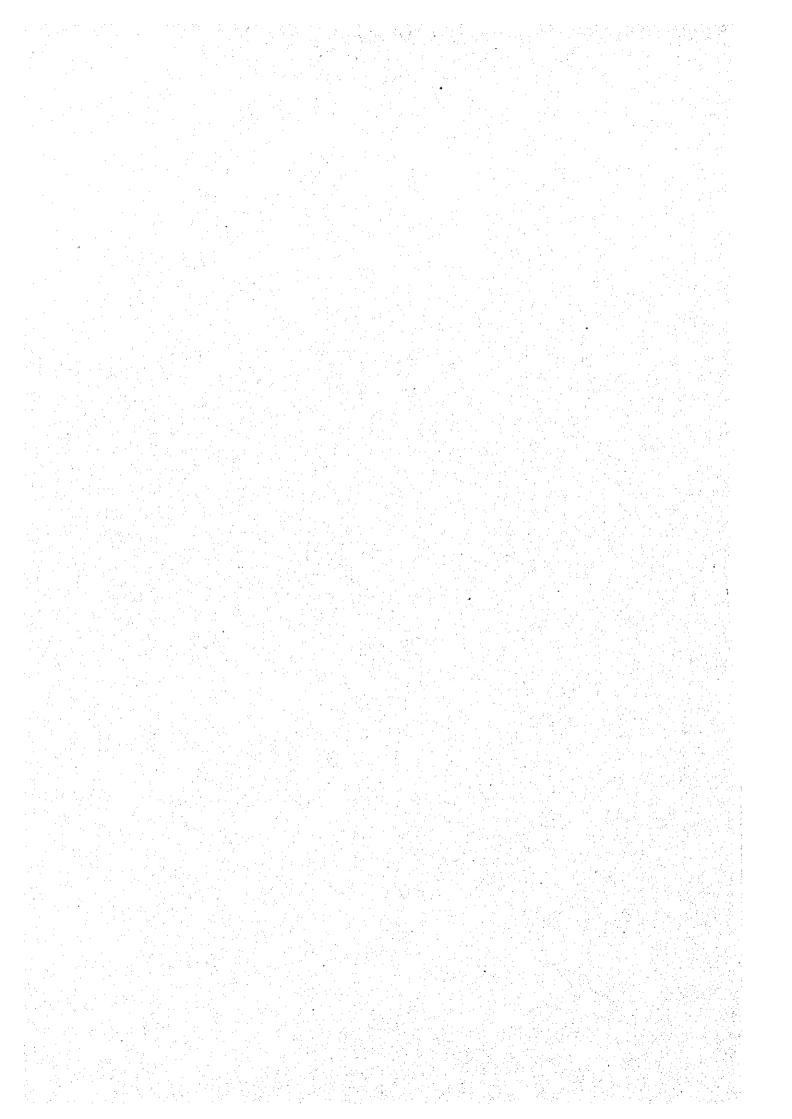
Note: ICB: International Competitive Bid LCB: Local Competitive Bid ZZ : Pre-qualification process

Figure 8.5 Construction Schedule for Dong Nai No. 3

Description	Q'ty	unit		2	002			T IE		200.	3		Т		2	004		r			2005			\top		20	XX		7			2007	,		1		 2	2008			Т		20	009		
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Base camp	30					П].].	ŢŢ		П		Πl																										\mathbf{H}			11				П
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Excavation, tunnel	880 x 2	m		Ш	11	\mathbf{I}				I -	┿	+		╬	▄▍╽					Н			Ш		11				11	П	$\parallel \parallel$		l I .	i l l	11	Ш		11		11		111	П	П	11	
Concrete, lining	880 x 2			11	11	11	$ \cdot \cdot $		11	Ш	Н	;	-	++	++	++	┾┼╣	!		П					\mathbf{II}	$\parallel \parallel$				$\ \cdot\ $				iП		Ш		Π		H	11	11	11		$\parallel \parallel$	
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River closure/diversion					11	11		l I ∤		11	H	$\ \cdot \ $		Ш	Ш			H	Π		Ш				Π	Ш			Ш	11		Ш	113	Ш	J I	Ш					H	11'		H		ı
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Main dam (CFRD)	793,000	m³		H	11	11			11	11	Ш	$\ \cdot \ $			44	44			Rive		ÌΙ					Ш		$ \ \ $	11	H	11	Ш			П	\mathbf{H}				11		11'	Ш	Ш	11	
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Embankment, cofferdam	380,000									$\ \cdot\ $							<u> </u>	HT	\prod		\coprod	Ш					Ш	∐ l														Į '				ı
Embankment, dam	4,720,000				11														ΙL		\prod			JT		11		\sqcap I																		1
Concrete, plinth	2,600] [[TT	П			٦ [ΙЦ	Ш	Ш	且	\coprod	oxdot	<i>i</i> [[11'				1
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Grouting, curtain	52,600	- <u></u> .	4-1-		- - -	+	+		+		 -	 		$\dashv \dashv$		1-1-	- -	-1-1		H	Π	H		-1-1-	-1-1-	+	-1		-1-1-	-1-1-	7-1-	╂╌╂╌╏		i-1-1-	-1-1-		-1-1-	- - -	- - -	++	- - -		- -		-1-1	i-l-
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Concrete, open Power intake	134,500	-m3	- - -		- -[-	- [-] -	- -	-11-	- -						. -		[-	- -	- - -		- -			- 1	- [- [-[-]-			-1-7	· [-]-	 -T-	- -	HH			++		- - -		1-1-	- -	- -	}-{-	- -	-	/ -
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Concrete, lining (8.4 m diam.)	6,960	E)			11	Ш				H	Ш			11		Ш					Ш	ΙП		TT	П	П	П		TT	П						Ш		Ш		H		11'	Ш] [11	
Grouting, consolidation		l I		-11		П	$\ \ \ $			Ш											Ш			11					11		H	П	Π	Ш	Jl	11						11'		11		
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Figure 8.6 Construction Schedule for Dong Nai No. 4

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CHAPTER 9 PROJECT EVALUATION

9.1 Introduction

9.1.1 General

This chapter is devoted to ascertain the viability of the Project in both the economic and financial aspects through computation of economic internal rate of return (EIRR) and financial internal rate of return (FIRR), and through the examination of repayability of Project loans.

The economic evaluation is conducted from the point of view of the entire society as a whole. The Project cost is converted to economic cost to reflect real cost to the society as a whole either through eliminating transfer payment or through shadow pricing. The EIRR thus obtained is compared with a cut-off rate, i.e., opportunity cost of capital.

While, the financial analysis is conducted from the point of view of the executing agency of the Project in its implementation stage; EVN is assumed as such in this Study. The Project cost estimated based on the market price is compared with the actual revenue accrued from the sales of the electricity to be generated by the Project. The repayability of loans is examined by assuming various conditions of loans and power rates.

9.1.2 Conditions

The following conditions and assumptions were adopted in this Study:

- a) The cost was estimated based on the market price in March 1999.
- b) The monetary value was in principle indicated in US Dollar. An official exchange rate of VND 13,870 per US dollar (the rate as of March 1st, 1999) was applied as needed. No shadow pricing was made for exchange rate, because the official exchange rate can be recognized to represent the real value of Victnamese Dong under the strict foreign exchange control of the Government.
- c) The price escalation in financial analysis was incorporated assuming inflation rates of 1% for both foreign and local currency portions as stated already in Chapter 8. The adoption of US Dollar in estimating the local currency portion was made expecting to avoid the influence of the possible future fluctuation in the foreign exchange rate of Vietnamese Dong.
- d) The shadow pricing of the wage rate for unskilled labor was incorporated in such a way that 10% of the local currency portion in average was assumed as unskilled labor wage. This portion was discounted by 50% for shadow pricing of the unskilled labor. Under the current labor market situation with more than 6% of the unemployment ratio, this shadow pricing was deemed necessary.
- e) The economic value of the land to be committed to the Project including those to be submerged by constructing the reservoirs is to be shadow-priced by estimating the value of the production foregone. In case of the two reservoirs of Dong Nai No.3 and No.4, however, the prevailing farming is a slash-and-burn agriculture with primitive production level. Therefore, it was deemed appropriate to consider the value of production foregone negligible. Thus the economic value of land was

considered nil in this evaluation.

- f) As for the compensation cost, a half of its total cost estimated based on the market price was considered as economic cost by assuming that all the structures including buildings, roads etc. are depreciated half of their economic values in average.
- g) The operation and maintenance costs of the facilities built by the Project were estimated at 0.5% of construction cost for civil works and 2.5% for metal works.
- h) The economic life was assumed as 50 years for civil works and 20 years for mechanical and electric works. The replacement of metal works was considered every 20 years and the residual value of civil works was counted as a negative cost in the 50th year.
- i) The evaluation period of 50 years starting from the commissioning was adopted for two IRR computations. In examining the repayability of loans, however, repayment was assured throughout 30 years of its repayment period.
- j) The opportunity cost of capital was assumed at 10% in this Study following recent practices of similar studies in Vietnam.

Further conditions and assumptions applied to the financial analysis are stated in section 9.3 in this report.

9.2 Economic Evaluation

9.2.1 Derivation of Economic Cost

The capital cost of the Project estimated based on the market price is summarized in Table 9.1 with its year-by-year disbursement schedule. The total capital cost (at 1999 constant prices) was estimated at US\$ 737.1 million with the breakdown of foreign currency portion of US\$ 423.4 million and the local currency portion of US\$ 313.7 million (VND 4,349.6 billion equivalent).

The financial cost was adjusted to economic cost based on the conditions and assumptions stated in the preceding Subsection 9.1.2. The conversion of financial cost to economic cost is summarized in Table 9.2. In deriving economic cost, tax portion was deducted and price escalation was also deducted from the financial cost. The consequent yearly distribution of the economic cost is as shown in Table 9.3, which was transferred to Table 9.6 for the computation of EIRR.

9.2.2 Estimate of Economic Benefit

The economic benefit was estimated in this Study through two criteria: one is the conventional alternative-thermal (Case A) and the other is the long-run marginal cost (LRMC) (Case B).

(1) Case A: Alternative Thermal Power Plant Criterion

The Case A assumes that a least-cost alternative thermal power plant will substitute for the present Project in case the present Project is not implemented. The cost to be saved, i.e., the cost of the alternative thermal is considered as the benefit of the present Project.

The procedures for computation of capacity (kW) cost and energy (kWh) cost of alternative thermal power plants are presented in Table 9.4. Three types of thermal power plants including oil fired and coal fired thermal power plants and combined cycle gas turbine were selected as typical power plants following the historical and planned power development practices in Vietnam. A combined cycle gas turbine is not yet built in Vietnam but is prioritized in the Long-term Power Development Master Plan Phase V prepared by the Institute of Energy (IOE) of EVN (hereinaster referred to as "EVN's The cost data were primarily obtained from the IOE. power master plan"). cost was adopted from the historical and projected data in the "Commodity Price Outlook" prepared by World Bank after adjusted to 1999 constant price level. The lack of Vietnamese data on combined cycle gas turbine was supplemented by those in Japan. The computed value of the cost per kW and the cost per kWh were adjusted by coefficients to equalize the different conditions for losses between hydropower and each thermal power plant.

The total cost of each alternative thermal was computed based on each kW cost and kWh cost by multiplying the installed capacity and energy output of the Dong Nai Project and is shown in the column (4) in Table 9.4. As the result shows, the combined cycle gas turbine was identified as the least cost alternative among these three.

However, the combined cycle gas turbine was not adopted in this Study as a sole alternative thermal of the Dong Nai Project but a hypothetical combination of combined cycle gas turbine and coal fired thermal was assumed as the alternative thermal based on

the following reasons.

- a) The Government of Vietnam is promoting an energy sector policy to develop hydropower resources with a higher priority than other resources. This aims at not only developing the untapped natural endowment of the nation but also preventing environmental aggravation like air and water pollution caused by thermal power plants. The least-cost alternative principle should be reviewed and amended from the point of view of promoting and pushing forward this policy. Because hydropower's disadvantage comparing to other resources like oil, coal and natural gas is inevitable when the least cost principle is strictly applied following the conventional way of power Project evaluation.
- b) According to the conventional alternative thermal criterion, the social cost including the cost of environmental prevention and conservation that is to be borne by thermal power plants is not incorporated into the analysis. This makes thermal power plant unfairly advantageous to hydropower. In order to avoid this problem, a hypothetical combination of major power plants combined cycle gas turbine and coal fired thermal was proposed herein.
- c) This proposal is related to rural development as well. Since hydro-potentials are in many cases located in rural areas, hydropower plant may give impact to these areas. This is the intangible benefit of hydropower that is not incorporated into the project analysis. The proposed hypothetical method prepares a justification not only in economic but also in social aspects.
- d) All the electric power sources are connected to a national grid throughout the nation. Therefore, the demand in the South needs not necessarily be met by the supply in the South. Thus, it may not be reasonable to assume that a new power plant should be a coal fired thermal in the North and a combined cycle gas turbine in the South. The hypothetical combination concept leads to LRMC criterion in which all the conceivable power development projects including combined cycle gas turbine, coal fired thermal and other power plants are considered without asking its type and location. Justification of the LRMC as the economic benefit of power generation would lead to adoption of alternative-mix of thermal power plants like the proposed hypothetical method in stead of sole alternative thermal power plant.
- e) Power supply characteristics of the Dong Nai No.3 and No.4 Combined Hydropower Project will be justifiably reflected to the hypothetical combination of combined cycle gas turbine and coal fired thermal; the former supplies for peak power demand and the latter for base load and/or intermediate portion of power demand.

In deriving the cost per kW and cost per kWh of the hypothetical composite thermal, the share of combined cycle gas turbine and coal fired thermal was computed based on the EVN's power master plan up to the year 2020. The installed capacity of combined cycle gas turbine is planned as 5,000 MW and that of coal fired thermal as 8,405 MW respectively in the said master plan. The unit cost of the hypothetical composite thermal alternative was derived at 182.3 US\$/kW for capacity value and 1.916 US\$/kWh for energy value.

(2) Case B: LRMC Criterion

1) Definition and Marginal Cost Pricing

The long-run marginal cost (LRMC) is broadly defined as the incremental cost of all adjustments in the system expansion plan and system operations attributable to an incremental increase in demand that is sustained into the future.¹

As imagined from this definition, the LRMC is in many cases calculated when a long-term power development plan is newly established. This time in Vietnam, it was computed in the EVN's power master plan. The LRMC is widely recognized as the most reasonable base of electricity pricing. In Case B, the economic benefit of power generated by the Project is evaluated by the LRMC. This means, in other words, that the economic benefit is evaluated by a unit power price determined based on the LRMC. Before proceeding to the explanation of LRMC, the marginal cost pricing is to be explained briefly.

The rationale for setting electricity price equal to marginal cost is clarified with a simple supply-demand diagram shown in Figure 9.1. The demand curve of $EFGD_0$ determines the kilowatt-hours of electricity demanded in a given year at any given average price level. AGS is the supply curve that is represented by the marginal cost (MC) of supplying additional units of output.

At price p and demand Q_0 , the total benefit of consumption is represented by the consumer's willingness to pay (WTP), that is, the area under the demand curve OEFJ. The cost of supplying the output is the area under supply curve OAIIJ. And the net benefit, or total benefit minus supply cost, is given by the area AEFII. The maximum net benefit AEG is achieved when price is set equal to marginal cost at the optimal market clearing point $G(p_0, Q_0)$. At this point of G, the consumer's willingness to pay is represented by $OEGQ_0$ which is composed of the consumer's tariff payment $OBGQ_0$ and the consumer's surplus, that is, the triangle area BEG.

Meanwhile, the change of electricity price according to the demand increase in a short term with fixed capacity is shown in Figure 9.2. Suppose that in year zero, the maximum supply capacity is Q_I , while the optimal price and output combination (p_0, Q_0) prevails, corresponding to the demand curve D_0 and the short-run marginal cost curve SRMC. The SRMC is based on fuel, operating and maintenance costs, that is, supply costs with fixed capacity.

As demand grows from D_0 to D_1 over time, the price must be increased to p_1 to clear the market in the short run, because capacity is fixed and the supply curve is extremely steep at Q_1 . When the demand curve has shifted to D_2 and the price is p_2 , plant is added to increase the capacity to Q_1 . As soon as the capacity increment is completed and becomes a sunk cost, however, SRMC falls to its old trend line. Therefore, p_3 is the optimal price corresponding to demand D_3 and the SRMC curve. Generally, such large price fluctuations during this process may not be practical. This problem can be avoided

^{1 &}quot;Electricity Pricing", A World Bank Publication, 1982

by adopting a LRMC approach.

SRMC is defined in economic terms as the cost of meeting additional electricity consumption with fixed capacity. LRMC is the cost of meeting an increase in consumption sustained into the future when needed capacity adjustments are possible. If there is an increase in consumption in the short run, both the system operating costs and the outage costs (especially during the peak period) will also rise at the margin. Similarly, in the long run, an increase in demand will result in a corresponding increase in the operating costs as well as in the capacity costs. Thus in both the short and long run an equivalent increase in operating costs will occur. And when the system is optimally planned and operated – that is, capacity and reliability are optimal – SRMC and LRMC coincide.

2) LRMC Calculation Procedures

The LRMC adopted in this Study is that computed in the EVN's power master plan. Its derivation procedures are summarized in Table 9.5 that is a direct translation from the Vietnamese edition originally prepared by IOE.

In computing the LRMC, the following procedures in which an example of the current EVN's calculation is assumed are generally required:

- a) A long-term power demand forecast covering the period of 2000-2020 is established firstly based on a variety of macro socio-economic forecasts including population trend, GDP increase, especially industrial development, power demand elasticity to income/production and so on.
- b) In order to meet this future demand, all the possible power supply sources are investigated to formulate a long-term power generation expansion plan. This includes not only hydro energy but also coal fired thermal, combined cycle gas turbine as well as nuclear possibility. All these candidate power development sources are lined up in sequence according to the maturity of the project. The least-cost development program is obtained through applying such dynamic computer programs as WASP and/or EGEAS.
- c) The similar optimal long-term development program is established for transmission and distribution networks accompanied by the generation expansion program.
- d) All the incremental costs including those of generation, transmission and distribution as well as consumer related costs are estimated based on the market price in 1999. These costs are broken down into capacity cost that is mainly composed of capital cost and O&M cost, and energy cost that is mainly composed of fuel cost. The capacity cost is born by peak-time consumers as recognized widely as reasonable. While, energy costs are born by both the peak and off-peak consumers. Unit costs per kWh of capacity cost and energy cost are integrated to obtain the LRMC taking into account of the peak and off-peak allocation.
- e) Finally, the LRMCs thus obtained for generation and for each level of voltage are averaged with the weight of the consumption of each voltage level from high to low voltages to derive at an averaged LRMC.

All the above description of the computation procedures of LRMC was not informed by IOE but only an essential portion of the above was derived from IOE. Theoretically, however, the above procedures must have been followed to obtain the LRMC.

Application of LRMC as Economic Benefit
 The following is to be taken into consideration in applying the LRMC.

- a) The LRMC criterion evaluates the economic benefit of the Project based on an electricity price valued at LRMC. This inevitably neglects the consumer's surplus portion (BEG in Figure 9.1) in the consumer's willingness-to-pay (OEGQ0 in the same figure). The economic benefit is calculated less than the total consumer's willingness-to-pay and the estimated benefit is considered as the proximity of the economic benefit.
- b) One of the merits of adopting LRMC as the economic benefit lies in that projects can be evaluated under the same category of economic benefit by using common value of unit benefit. The economic benefit applied in alternative-thermal criterion will vary according to the price change of fuel like coal, oil and gas. The LRMC criterion can avoid this price fluctuation.
- c) In calculating the LRMC, new investment costs planned in a long-term plan are considered as an incremental (marginal) cost in the long run. Therefore, the fixed capacity costs are treated as the variable costs together with fuel costs to be integrated into a LRMC value in kWh.
- d) The estimated LRMC has such a nature that, if it were applied strictly for all the consumers according to the diversified tariff rates varied by, for example, peak and off-peak times, the future incremental costs to meet the increased demand will be financed by the tariff revenue.
- e) Two LRMCs are computed in Table 9.5; one is the LRMC calculated based on the long term power development plan up to the year 2010 and another up to the year 2020. In this Study, the former estimated based on the plan up to 2010 was adopted avoiding such unknown factors as nuclear power plant or power import from Laos that are included in the latter plan to adopt the LRMC of US¢ 7.426 /kWh. The annual economic benefit was computed by this LRMC multiplied by the annual generation of the Project.

(3) Augmentation of Downstream River Flow

The two reservoirs of Dong Nai No.3 and No.4 will increase the downstream river flow in the dry season, which will enable the Tri An hydropower plant to generate additional power. This incremental generation can be attributable to the Dong Nai Project. Based on the hydrological analysis and reservoir operation study stated in Chapter 6 in this report, the downstream enhancement effect is computed at US\$ 1.9 million per year and counted in the Project's economic benefit.

(4) Other Benefits

The other benefits than those stated above were not considered in this Study. Under the

present development plan, the water created in the dry season will be wasted after passing through the turbine flowing into the sea without being utilized effectively. The water created by the Dong Nai No.3 and No.4 reservoirs during the dry season, however, can be utilized more effectively, for example, by irrigation water, municipal water supply, prevention of salt water intrusion and recreation opportunities near around the artificially created lakes in the future. If these possible benefits were incorporated, the viability of the Project would be enhanced very much.

9.2.3 Computation of EIRR

The reservoir operation study shown in Chapter 6 in this report has worked out the installed capacity and the annual generation of the No.3 and No.4 Dong Nai power plants as referred in Table 9.7. In this table, the capacity value was calculated based on 90% firm peak power in stead of the installed capacity. The time of commissioning was scheduled at the end of 2007 for the No.3 and the end of 2008 for the No.4 Dong Nai power plants respectively. It was assumed in this Study that the power generation benefit of No.3 will accrue 92% in 2008 and 100% after 2009 and that of No.4 will accrue 83% in 2009 and 100% after 2010 following the commissioning schedule. The calculation of the economic benefit is explained in Table 9.7 covering three years of the initial commissioning.

The EIRR of the Project was computed in Table 9.6. The EIRR value of 13.0% was derived for the Case A and 13.5% for the Case B. Since the opportunity cost of capital is assumed at 10% in this Study, the Project is judged to be economically justified.

It is sometimes argued that the project with a higher internal rate of return should be prioritized than that with a lower internal rate of return. In this regard, a World Bank reference book on project analysis² is to be referred to. The internal rate of return can be explained as the maximum rate of interest that a project could pay if all resources were borrowed; it thus can be explained as a measure of the return on the resources engaged in the project. It is often recognized as a measure of ranking projects but it is better not to do this. Because it can lead to an erroneous investment decision. Choice among projects that meet the formal criteria of acceptance is related not to the rank of the projects by a discounted measure of worth but on other, non-economic grounds- including the capability to implement the projects.

The above may be interpreted that the role of economic analysis lies in examining whether the project can be justified or not according to the derived EIRR exceeding or not-exceeding the cut-off rate. Ranking projects is to be done by other criteria than EIRR computation. The power shortage in Vietnam is widely recognized and is proven in Chapter 5 in this Report as well. In order to improve the situation, a power master plan through the year of 2020 is already established by EVN. And this Dong Nai hydropower project is one of the candidate projects selected for preparation of its implementation. With this background, an EIRR exceeding the cut-off rate of 10% that is assumed as the opportunity cost of capital in Victnam was derived. This may constitute a strong support for the Project to be promoted to the next step.

² "Economic Analysis of Agricultural Projects" J. Price Gittinger, Johns Hopkins University Press

9.2.4 Sensitivity Test of EIRR

The sensitivity test of EIRR was carried out for the Case A. The change of EIRR value was examined by varying the determinant of benefit and cost of the Project in two ways. One is to examine the EIRR by varying the Project's construction cost and the fuel cost of alternative thermal that not only determines the Project's benefit but also fluctuates according to the world market's demand and supply. The fuel cost of both the gas and coal fired thermal was considered. Another is to examine the EIRR by varying the Project's construction cost and the Project's total benefit.

(1) Case of varying construction cost and fuel cost of alternative thermal The EIRR changes as shown below according to the increase and decrease by 20% of the construction cost and the fuel cost of alternative thermal.

	Fuel cost +20%	Normal	Fuel cost –20%
Constr. Cost-20%	16.3%	15.8%	14.9%
Normal	13.5%	13.1%	12.3%
Constr. Cost+20%	11.8%	11.5%	10.8%

As shown above, the change of fuel cost affects EIRR value less than the change of construction cost. The EIRR reduces if the construction cost increases and if the fuel cost decreases. But even in the worst case of the construction cost with 20% up and the fuel cost with 20% down, the EIRR exceeds more than 10% that is assumed to be the cut-off rate of this Study.

(2) Case of varying construction cost and total benefit

This is the conventional way for sensitivity test of EIRR. In this case, the total benefit was taken up in stead of fuel cost and 10% change was assumed in stead of 20%. The result is tabulated below.

Case	Benefit +10%	Normal	Benefit –10%
Constr. Cost -10%	15.6%	14.5%	13.2%
Normal	14.3%	13.1%	11.9%
Constr. Cost +10%	13.4%	12.3%	11.2%

As shown above, even in the worst case of the construction cost with 10% up and the benefit decrease with 10% down, the EIRR exceeds 10% that is assumed to be the cut-off rate of this Study. The economic soundness of the Project is thus ensured.

9.3 Financial Analysis

9.3.1 Financial Cost and Benefit

The cost and benefit adopted in the financial analysis are all the cost and benefit to be accrued to the Project's executing agency i.e. EVN. The Project cost adopted for the financial analysis was derived by excluding the transmission line cost from the Project cost shown in Table 9.1, because the transfer-point of electricity was set in this financial analysis at the switchyard of the power plant. The total capital cost (at 1999 constant prices) applied for the financial analysis was US\$ 727.2 million with the breakdown of foreign currency portion of US\$ 417.5 million and the local currency portion of US\$ 309.7 million (VND 4,295.5 billion equivalent).

Therefore, power rates assumed are not those at consumer's end but those valued at the said switchyard. The revenue based on the power rate is considered as EVN's sole income from the Project.

9.3.2 Computation of FIRR

The financial internal rate of return (FIRR) was computed as shown in Table 9.8.

There are three (3) kinds of FIRR varying by the point of view to the financial analysis.

- a) Financial rate of return to all resources engaged: calculated from the incremental net benefit before financing
- b) Financial rate of return to equity before income tax: calculated from the incremental net benefit after financing
- c) Financial rate of return to equity after taxes: calculated from the incremental net benefit after financing and taxes

The point of view of a) mentioned above is that of the enterprise, b) is that of the private investors and c) is that of the equity owners. Since EVN belongs to enterprises criteria in nature, the FIRR shown in a) above was adopted in this Study. As indirect taxes like resources tax and VAT are considered as costs for EVN, they were included in the cost side at the computation. As for the corporate tax, it was not included in the cost side, because it is paid from net income when the enterprise can earn it and is considered as a part of the net income. This way of FIRR computation follows the usual practice of the World Bank.³

In Table 9.8, the cost escalation is considered during the construction period. And after the Project starts its operation, then it is assumed that both the cost and benefit will be equally affected by inflation resulting to set off its influence to the project analysis. Since the estimate of an inflation rate up to 50 years ahead may be unreliable, the said assumption is deemed reasonable.

Two (2) FIRRs were calculated in Table 9.8 varying by the assumed power rate: one is US¢4.5/kWh (Cases 1) and another US¢5.0/kWh (Cases 2). As the result, the FIRR of 6.5% was obtained for Cases 1 and the FIRR of 7.4% for Cases 2.

³ Same reference book as the foot note-2.

9.3.3 Sensitivity Test of FIRR

The sensitivity test of FIRR was carried out through examining the change of FIRR value by varying the benefit and cost of the Project. The benefit and cost were assumed to change by 10% respectively and the resulted FIRR change is as shown below.

Sensitivity test of FIRR for Cases 1: (Cases with tariff rate of US¢4.5/kWh)

Case	Benefit +10%	Normal	Benefit –10%
Cost -10%	8.2%	7.4%	6.5%
Normal	7.3%	6.5%	5.7%
Cost +10%	6.5%	5.8%	5.0%

Sensitivity test of FIRR for Cases 2: (Cases with tariff rate of US¢5.0/kWh)

Case	Benefit +10%	Normal	Benefit –10%
Cost -10%	9.1%	8.3%	7.4%
Normal	8.2%	7.4%	6.5%
Cost +10%	7.4%	6.6%	5.8%

As shown above, the lowest FIRR value in Cases 1 is 5.0% for the case with 10% increase in cost and 10% decrease in benefit.

As being observed for Cases 1 in the above table, the cost reduction in 10% with normal benefit would improve the FIRR value from 6.5% to 7.4% that is identical to the normal FIRR value for Cases 2. In other words, the cost reduction in 10% has the same financial effect as the raising of power tariff from US¢4.5/kWh to US¢5.0/kWh. In this context, it may be worthwhile to make an effort to find possible measures for reducing the Project cost in the next stage of the Project.

9.3.4 Examination of Loan Repayability

Taking into consideration the importance of financial conditions that will affect the financial viability of the Project, twelve (12) alternative cases were studied as shown below.

	F	C:LC = 85:	15		C:LC=70:3	30
FC interest rate: (% p.a.)	3.5%	5.0%	8.5%	3.5%	5.0%	8.5%
Power rate=4.5 c/kWh	Case 1-1	Case 1-2	Case 1-3	Case 2-1	Case 2-2	Case 2-3
Power rate=5.0 c/kWh	Case 3-1	Case 3-2	Case 3-3	Case 4-1	Case 4-2	Case 4-3

Major determinants of the financial viability include 1) the share of financing sources i.e. percentage of the foreign and local currency loans toward total loan requirement, 2) interest rate of the foreign currency loan that may vary depending on foreign financial agencies, and 3) power rate by which EVN will sell the electricity to Power Company. For the sake of simplicity, the explanation in the following two (2) paragraphs refers to only the case with the power rate of US¢4.5/kWh.

Foreign loans were assumed to finance 85% of the total Project cost in the Cases 1, and

70% of the total Project cost in the Cases 2. The remaining loan requirement was assumed to be financed by domestic loans.

Three (3) alternative interest rates of foreign loans comprising 3.5% per annum, 5.0% per annum, and 8.5% per annum were set for both Cases 1 and Cases 2. This interest rate is considered as the sum of the interest rate of foreign financial agencies and the surcharge of the Vietnamese National Bank. Foreign loans with interest rates lower than 3.5% per annum including the surcharge might be available at the Project's implementation stage. Therefore, it can be said that the interest rate of 3.5% per annum being assumed in the present analysis may lead to a severer financial analysis than other cases with lower interest rates. The interest rate for domestic loans was assumed at 13% per annum. It was assumed that the interest will be capitalized without payment during the construction period and will be repaid together with the principal repayment after the commission of the Project.

In addition to the power rate of US¢4.5/kWh, an alternative power rate of US¢5.0/kWh was assumed for each case mentioned above. Therefore, the number of the alternative cases to be examined amounts to twelve (12) cases in total.

The repayability of Project loans was examined through preparation of sources-and-uses-of-funds statements as shown in Table 9.9. The sources of funds are composed of the revenue from power sales and loans of both the foreign loans and the domestic bank loans. The repayment of the loan principal is scheduled to be made for 30 years for the foreign loan and 10 years for the domestic loan. The outstanding loan principal will reach its peak in the year of the end of construction period and will reduce year by year thereafter to become zero at the end of the year 2039. The resources tax (2%) and VAT (10%) were computed toward the gross revenue and the corporate income tax (25%) was incorporated based on the current surplus after financing. The corporate tax, however, is exempted when the net income is deficit. The surplus after tax of each year is accumulated in the right most column of the table.

To analyze the result of examination of the twelve (12) alternative cases, two (2) tables were prepared as shown below.

i) Number of years with cumulative deficit:

	F	C:LC=85:1	5	1	C:LC=70:3	10
FC interest rate:	3.5% p.a.	5.0% p.a.	8.5% p.a.	3.5% p.a.	5.0% p.a.	8.5% p.a.
Power rate = 4.5c/kWh	0	0	28	7	12	27
Power rate = 5.0c/kWh	0	0	17	0	6	18

There are two (2) kinds of revenue amount determined by two (2) kinds of power rate. Each of the two (2) revenues is common to six (6) cases. Therefore, the difference in "surplus after tax" among six (6) cases is mainly brought by the difference in each financing expenditure including interest payment and principal repayment of loans. The financial result of each year is presented in the column of "surplus after tax" that may become deficit depending on the magnitude of the financing expenditures. If the year with deficit after tax continues, then it will be accumulated as shown in the right most column in Table 9.9. The table shown above indicates the number of years with

cumulative deficit.

In the cases with tariff rate of US¢4.5/ kWh, two (2) cases show no deficit years throughout the evaluation period. In cases where the cumulative deficit are recorded, some measures such as issuing bond and/or borrowing money is required to make up the deficit for operation, which may cause additional cost for the Project. And long years of cumulative deficit may affect the payment of interest and principal of loans. In this context, Case 1-1 and Case 1-2 are desirable having no deficit years at all. While, some difficulties in repayment may be anticipated in Case 1-3 and Case 2-3 of which interest rate of foreign loan is the highest among all cases.

In the cases with tariff rate of US¢5.0/ kWh, betterment is naturally observed and the number of cases with zero year of cumulative deficit increase to three (3) cases including Case 3-1, Case 3-2 and Case 4-1.

ii) Debt Service Coverage Ratio (DSCR: in times)

		FC:LC	=85:15	<u> </u>	FC:LC	=70:30	
FC interest rate:		3.5% p.a.	5.0% p.a.	8.5% p.a.	3.5% p.a.	5.0% p.a.	8.5% p.a.
Power rate=4.5 c/kWh	2015	0.9	0.8	0.6	0.7	0.6	0.5
	2025	1.7	1.6	1.3	2.2	2.0	1.0
	2035	2.2	2.1	1.9	2.8	2.7	2.4
Power rate=5.0 c/kWh	2015	1.0	0.9	0.7	0.8	0.7	0.0
	2025	1.9	1.7	1.4	2.4	2.1	1.3
	2035	2.4	2.3	2.1	3.1	2.9	2.3

The debt service coverage ratio (DSCR) is defined as the sum of income after tax, depreciation and interest paid divided by the sum of interest paid and loan repayment. The DSCR was calculated and shown in the table above for each case for the three (3) years of 2015, 2025 and 2035 based on Table 9.9. Taking an example of Case 1-1, DSCR of 2.2 in 2035 means that the net income plus depreciation plus interest paid can drop by nearly half for EVN still to meet its debt obligation. In general public investment, this ratio is usually considered appropriate when it falls in 1.5 times and higher. DSCR in 2015 is rather low of 0.9, which is caused by the heavier loan repayment than other years with the repayment of both the foreign and domestic loans. The DSCR is improved in the years of 2025 and 2035 when the repayment of domestic loans is already finished with the foreign loans' repayment only remaining. Excluding the ten-year period after the commissioning when the burden of financing expenditure of both the foreign and domestic loans exists, the DSCR may be considered to assure the repayability of loans with the exception of the cases with high interest rate of 8.5% per In this context, domestic loans with a longer repayment period than ten (10) years assumed in this Study should desirably be arranged in the next stage.

Judging from the above-mentioned two (2) indices comprising the number of cumulative deficit years and the DSCR, the following can be concluded for the loan repayability:

- a) Case 1-1 is most desirable and
- b) the four (4) cases with zero cumulative deficit year are recommendable following the Case 1-1.

As for the other cases than these five (5), some financial arrangements will have to be made to sustain the Project during the years with cumulative deficit.

Table 9.1 Project Cost Summary and Disbursement Schedule

	F.C.	ľC	Total			For	ign curr	ency po	Foreign currency portion (US\$ mil.)	SS mil.)						ည် ကြလျှ	urency 1	Local currency portion (US\$ mil.)	(US\$ m	(1)		
	(US\$ mil.)	(US\$ mil.)	(US\$ mil.) [(US\$ mil.) [(US\$ mil.)]	2001	2002 2	2003 2	2004 20	2005 20	2006 2007	07 2008	2009	Total	2001	2002	2003	2004	2005	2006	2007	2008	2009	Total
(1) Base Cost											1		ŕ								-	•••
(1) Preparatory works		14.0	14.0				-						S.	5.7	833							14.0
(2) Diversion tunnel	22.0	20.2	42.2		· . :	11.0	11.0	-		-		22.0	_		10.1	10.1		_		•		20.2
(3) Main civil works	154.9	162.2	317.1		• • •		19.9 4	43.2	46.5 38	38.7 6	9.9	154.9				20.7	45.0	48.7	40.6	73		1622
(4) Hydromechanical works	35.9	6.4	42.3				-	3.6	14.4	14.4	3.6	35.9		e e			•	1.6	3.2	1.6		6.4
(S) Hydroelectric works	114.7	12.8	127.5		<u> </u>	•		10.4	41.7 46	46.9	12.5 3.1	1 114.7						3,0	6.3	3.2	0	12.8
(6) Transmission line	5.9	3.9	8.6				<u> </u>	• .	بر بر	20	1.4	5.9	· ·					9.0	4	ដ	. .	3.9
(7) Engineering service	31.1	10.4	41.5	4.7	7.4	3.1	3.1	5.5	5.5	3.1	1.5	31.1	1.6	1.6	2	1.0	2.8	8.1	0,7	20		10.4
(8) Administration		3.9	3.9								. · · · · · · · · · · · · · · · · · · ·		0.6	9.0	4.0	0.4	0.7	0.7	0	0.2		3.9
(9) Land compensation and resettlement	3.9	6.7	10.6		17	1.2	8:0	4.0	4.0	· · · · ·		3.9	- -	20	2	1.3	0.7	0.7			:	6.7
(10) Tax		29.8	29.8			·	•	_ 					03	0.6	1.7	33	5.5	8.3	7.9	5.0	0.2	29.7
Sub-total	368.4	270.3	638.7	4.7	5,8	15.3	34.8	63.1 11	110.9 105.1		25.6 3.1	1 368,4	2.5	10.5	23.5	36.8	53.7	65.4	61.7	15.6	0.5	270.2
(2) Contingency											<u></u>								٠.			
(1) Price contingency	26.0	17.9	43.8	70	0.2	90	87	3.9	0.8	87	2.4 0.3	3 26.0	0.0	03	21	1.9	333	4.7	5.1	51	0.1	17.9
(2) Physical contingency	29.0	25.4	54.4	0.5	9:0	1.5	3.5	5.6	8.2	7.3	1.7 0.2	29.0	0 0.2	ះ	23	3.6	5.3	6.2	5,5	17	0.0	25.4
Sub-total	55.0	43.3	98.3	9.0	0.8	2.1	5.3	5.6	16.2 10	16.1	4.1 0.5	55.0	0 0.3	1.4	33	5.5	8.6	10.9	10.6	7.7	0.1	43.3
(3) Total Project cost	423.4	313.7	737.1	5.2	6.6	17.4	40.1	72.6 12	127.1 123	121.2 29	29.6 3.6	6 423.4	4 2.7	11.8	26,8	42.4	62.3	763	123	18.3	0.6	313.6

Note: Estimated based on 1999 constant prices.

Table 9.2 Adjustment of Financial Cost to Economic Cost (Unit: US\$ million)

	Fir	nancial	cost	Ecc	onomic c	ost
	F.C.	L.C.	Total	F.C.	L.C.	Total
(1) Base cost						
1) Preparatory works	• . •	14.0	14.0		13.3	13.3
2) Diversion tunnel	22.0	20.2	42.2	22.0	19.2	41.2
3) Main civil works	154.9	162.2	317.1	154.9	154.1	309.0
4) Hydromechanical works	35.9	6.4	42.3	35.9	6.1	42.0
5) Hydroclectric works	114.7	12.8	127.5	114.7	12.2	126.9
6) Transmission line	5.9	3.9	9.8	5.9	3.7	9.6
7) Engineering service	31.1	10.4	41.5	31.1	9.9	41.0
8) Administration		3.9	3.9		3.7	3.7
9) Land compensation and resettlemen	n 3.9	6.7	10.6	3.9	3.1	7.0
10) Tax		29.8	29.8			
Sub-total	368.4	270.3	638.7	368.4	225.2	593.6
(2) Contingency						
1) Price contingency	26.0	17.9	43.9			1
2) Physical contingency	29.0	25.4	54.4	29.0	24.1	53.1
Sub-total	55.0	43.3	98.3	29.0	24.1	53.1
(3) Total Project Cost	423.4	313.7	737.1	397.4	249.4	646.8

Note: F.C.: Foreign currency portion
L.C.: Local currency portion

Table 9.3 Yearly Distribution of Economic Cost

	F.C.	7.0.	Total			For	iga cun	rency po	Foreign currency portion (US\$ mil.	S\$ mil.)					1	ocal cu	rreacy p	ocal currency portion (USS mil.)	USS mi			
	(US\$ mil	(USS mil.) (USS mil.)	2	2001	2002	2003 2	2004 20	2005	2006 2007	07 2008	8 2009	Total	2001 2001	2002	2003	2004	2005	2006	2002	2008	5002	Total
I) Base Cost														-		-	•					
I) Preparatory works		13.3	13.3	•			<u>.</u>			• •				4.	5.				<u> </u>			5
2) Diversion tunnel	Si O:	19.2	41.2			11.0	11.0	e. N	-			ដ			9.6	9.6						19.7
3) Main civil works	154.9		309.0				19.9	43.2 4	46.5	38.7 6.	9.9	154.5	· · ·	· .		19.6	42.8	46.2	38.5	6.9		1.54.1
4) Notwerchanical works	35.9	9 6.1	42.0		- -	1.		3.6	14.4	. :	3.6	35.5						1.5	3.0	2.5		6.1
S Hydroelectric works	114.7	7 12.2	126.9				<u>:</u>	10.4	41.7	46.9 12.5	5 3.1	114.7			•		-	2.9	0.0	3.0	63	12.2
O Transmission line	Vi	5.9	9.6	 			<u> :</u>			20	1.4	5.5	_					9.0	2,7	6.0	-	3.7
7 Franceing service	· F	1 9.9	41.0	4.7	4.7	3.1	3.1	5.5			15	31.1	1.5	1.5	10	0.1	1.7	1.7	1.0	5.0		9.9
() Administration		3.7	47					-					٠.	9.0	4.0	4.0	0.7	0.7	4.0	60		3.7
9) I and compensation and resettlemen		3.9	7.0		7	1.2	8.0	4.0	4.0			3,9		0.8	1.0	0.7	0.3	03				3.1
10) Tax				٠				-				· • ·					٠,		.			
Sub-total	368.4	4 225.2	593.6	4.7	5.8	15.3	34.8	63.1	110.9 10.	105.1 25.6	.6 3.1	368,4	2.0	£	19.8	31.3	45.5	53.9	51.1	13.0	6.3	225.2
2) Contingency				:		1.	-	-				·.										
1) Price contingency	· · · · · · · · · · · · · · · · · · ·												:				_		1	•	;	
2) Physical contingency	29.0	0 24.1	53.1	0.5	9.0	1.5	3.5	2.6	8.2						27	3.5	2.0	5.8	5,7	77	0.0	2,
Sub-total	29.0	0 24.1	53.1	0.5	9.0	1.5	3.5	5.6	8.2	73 1	1.7 0.2	:	5 0			3.5	2.0	2.8	8.2	2	0.0	24.2
3) Total Project cost	397.4	4 249 4	646.8	5.1	6.4	16.8	38.3	68.7	119.1	112.5 27	27.3 3.3	397.4		9.2	22.0	34.7	50.5	29.8	56.3	14.2	4.0	249.4

Table 9.4 Computation of kW and kWh Values of Alternative Thermal Power Plants

(1) Cost Data of Alternative Thermals

Items			Oil Thermal C	oal Thermal	C-Cycle	Remarks
1. Construction cost	:\$/kW		701	973	619	
2. Economic life	:year		20	30	20	
3. Capital recovery factor	for 10%		0.117460	0.106079	0.117460	
4. Fuel cost			22.09	40.18	2.98	
		:	(\$/barrel)	(\$/t)	(\$/mcf)	
5. Calorific value		•	1.534E+06	5,500	2.520E+05	·
V. Catorino value			(kcal/barrel)	(kcal/kg)	(kcal/mcf)	
6. Thermal efficiency	:%		38%	38%	45%	
7. Fixed O&M ratio	:%		3%	5%	3%	: % to
Third Court land						construction
						cost per kW

Source: "Commodity Price Outlook" WB in November 1998 for fuel cost and other data from IOE.

(2) Computation of cost per kW

Items		Oil Thermal Coal Therr	nal C-Cycle
1) Annualized construction cost:	(\$/kW)	101.3 127	0 89.4
2) Fixed O&M (annual cost):	(\$/kW)	21.0 48	7 18.6
3) Cost per kW (annual cost)	(\$/kW)	122.3 175	6 108.0
4) Adjustment factor		1.141 1.26	1.077
5) Cost per kW (after adjusted)	(\$/kW)	139.6 221	6 116.3

Note for annualized construction cost:

Assumed construction period: 3 years

Assumed disbursement: 35%, 45%, 20%

(3) Computation of cost per kWh

Items		Oil Thermal Coal Thermal	C-Cycle
1) Fuel cost per kWh	(\$/kWh)	0.033 0.017	0.023
2) Adjustment factor		1.032 1.043	0.990
3) Cost per kWh (after adjusted)	(C/kWh)	3.364 1.725	2.238

(4) Total cost comparison of three alternatives

	Items	19.	Oil Thermal Coal Thermal C-Cycle
1) kW cost		(US\$ mil.)	66.2 105.0 55.1
2) kWh cost		(US\$ mil.)	53.1 27.2 35.3
3) Total cost	<u> </u>	(US\$ mil.)	119.2 132.2 90.4

Note: Capacity and output of Dong Nai Project:

Installed capacity(MW) 474

Annual generation (GWh) 1,577

(5) Computation of Adjustment Coefficients for Losses:

	<u> </u>	Oil Thermal	Coal Thermal	C-Cycle	Hydropower
(1) Loss ratios					
1) Transmission and distribution	1.0	1.4%	1.4%	1.4%	4.0%
2) Overhaul and maintenance		10.0%	17.7%	8.5%	2.5%
3) Station consumption		6.0%	7.0%	2.0%	0.3%
4) Forced outage		2.5%	2.5%	2.5%	0.5%
(2) Overall operation efficiency (%	kW cost:	81.3%	73.6%	86.2%	92.8%
	kWh cost:	92.7%	91.7%	96.6%	95.7%
(3) Adjustment coefficients for	kW cost:	1.141	1.262	1.077	
	kWh cost:	1.032	1.043	0.990	

Table 9.5 Long-run Marginal Cost (LRMC) for Generation, Transmission and Distribution (Base Case computation in the Power Development Master Plan Phase V)

			Current co.	cost as of 2010				Current cos	Current cost as of 2020	
				Capital					Capital	
		Capital		recovery +			Capital		recovery +	
Voltage level	Total real cost	recovery	Total	operating cost	Total	Total real cost	recovery	Total	operating cost	Total
Generation up to bus bar	6,927	2,962	2,962	5,166	5,166	12,598	6,024	6,024	10,007	10.007
2) To main bar of 500 kV	1,155	214	3,176	263	5,429	3,403	550	6.574	674	10.681
3) To main bar of 220 kV	2,175	514	3,690	631	090'9	5.678	1.104	7.678	1.355	12.036
4) To main bar of 110 kV	2,110	557	4,247	684	6.744	5.561	1.146	8.824	1.406	13.442
7) To medium voltage	3,048	727	4,969	988	7,630	7777	1.539	10,363	1.888	15.330
) To low voltage	959	157	5,126	192	7,822	1,738	336	10,699	412	15.742
Total	16.071	5,126	:	7,822		36,755	10,699		15,742	1

			Marginal co.	al cost as of 2010					Marginal co	Aarginal cost as of 2020		
	Capacity	Generation	Losses	Energy Sales	Marginal cost	Average	Capacity	Generation	Losses	Energy Sales	Marginal cost	Average
LRMC by voltage	MW	GWb	GWh	GWh	C/kWh		MW	GWh	GWh	GW _b	C/kWh	basic cost
1) Generation up to bus bar	18,978	119,879	4,051	0	4.460	272.2		256,539	9,085	0	4,044	245.6
2) To main bar of 500,200 k	18,978	115,828	1,003	0	5.274	319.1		247,455	1,885	0	4.900	295.3
3) To main bar of 110 kV	18,814	114,825	699	12,640	5.900	358.0		245,570	1257	27.327	5.499	332.2
4) To medium voltage	16,633	101,518	2,340	59,511	6.932	413.3		216,986	4399	128,664	6.500	386.8
5) To low voltage	6,498	39,665	6,487	33,179	8.873	453.0	13,818	83,924	12,191	71,733	8.189	425.1
Total		491,715	14,550	105,330	7.426	419		1,050,474	28,817	227,724	6.913	392

Source: Institute of Energy, EVN Note: With discount rate of 10%.

Table 9.6 Computation of Economic Internal Rate of Return (EIRR)

							:		- 1		Total b	anelite	(Unit: US\$	
		C	apital costs		0.634	Te 4-1			ic benefits Cas		Case A:	Case B:	Case A:	Case B:
N 7	V	EC	I.C.	Total	O & M costs	Total costs	Dong Nai	se A Tri An	Dong Nai	e D TriAa		LRMC	Ah.Therm.	LRMC
No.	Year 2001	F.C. 5.1	2.3	7.4	(0313	7.4	Dongran				0.0	0.0	(7.4)	(7.4)
2	2002	6.4	9.2	15.6		15.6	- :			•	0.0	0.0	(15.6)	(15.6)
3	2003	16.8	22.0	38.8		38.8					0.0	0.0	(38.8)	(38.8)
4	2004	38.3	34.7	73.0		73.0					0.0	0.0	(73.0)	(73.0)
5	2005	63.7	50.5	119.2		119.2					0.0	0.0	(119.2)	(119.2)
6	2006	119.1	59.8	178.9	* '	178.9					0.0	0.0	(178.9)	(178.9)
7	2007	112.5	56.3	168.8		163.8				4.1	0.0	0.0	(168.8)	(168.8)
8	2008	27.3	14.2	41.5	2.6	44.1	49.5	1.9	50.3	5.9	51.4	56.2	7.3	12.1
9	2009	3.3	0.4	3.7	5.6	9.3	106.0	1.9	106.5	5.9	107.9	112.4	98.6	103.1
10		<i>V.</i> 2			6.2	6.2	116.6	1.9	117.1	5.9	118.5	123.0	112.3	106.2
11			, i		6.2	6.2	116.6	1.9	117.1	5.9	118.5	123.0	112.3	116.8
	2012		7.9		6.2	6.2	116.6	1.9	117.1	5.9	118.5	123.0	112.3	116.8
	2013				6.2	6.2	116.6	1.9	117.1	5.9	118.5	123.0	112.3	116.8
14	2014				6.2	6.2	116.6	1.9	117.1	5.9	118.5	123.0	112.3	116.8
15	2015				6.2	6.2	116.6	1.9	117.1	5.9	118.5	123.0	112.3	116.8
	2016				6.2	6.2	116.6	1.9	117.1	5.9	118.5	123.0	112.3	116.8
17			100		6.2	6.2	116.6	1.9	. 117.1	5.9	118.5	123.0	112.3	116.8
	2018				6.2	6.2	116.6	1.9	117.1	5.9	118.5	123.0	112.3	116.8
19	2019				6.2	6.2	116.6	1.9	s - 117.1	5.9	118.5	123.0	112.3	116.8
	2020		•	•	6.2	6.2	116.6	1.9	117.1	5.9	118.5	123.0	112.3	116.8
21	2021	* * .	•		6.2	6.2	116.6	1.9	117.1	5.9	118.5	123.0	112.3	116.8
	2022				6.2	6.2	116.6	1.9	117.1	5.9	118.5	123.0	112.3	116.8
	2023			·	6.2	6.2	116.6	1.9	117.1	5.9	118.5	123.0	112.3	116.8
24					6.2	6.2	116.6	1.9	117.1	5.9	118.5	123.0	112.3	116.8
	2025			100	6.2	6.2	116.6	1.9	117.1	5.9	118.5	123.0	112.3	116.8
	2026		1 to 1 to 2		6.2	6.2	116.6	1.9	117.1	5.9	118.5	123.0	112.3	116.8
	2027				6.2	6.2	116.6	1.9	117.1	5.9	118.5	123.0	112.3	116.8
28		70.0		200	6.2	6.2	116.6	1.9	117.1	5.9	118.5	123.0	112.3	116.8
29			11.1	178.5	6.2	184.7	116.6	1.9	117.1	5.9	. 118.5	123.0	(66.2)	(61.7)
30					6.2	6.2	116.6	1.9	117.1	5.9	118.5	123.0	112.3	116.8
31			1.0		6.2	6.2	116.6	1.9	117.1	5.9	118.5	123.0	112.3	116.8
32			1.4	100	6.2	6.2	116.6	1.9	117.1	5.9	118.5	123.0		116.8
33		14.1			6.2	6.2	116.6	1.9	117.1	5.9	118.5	123.0		116.8
34				100	6.2	6.2	116.6	1.9	117.1	5.9	118.5	123.0		116.8
35					6.2	6.2	116.6	1.9	117.1	5.9	118.5	123.0		116.8
36					6.2	6.2	116.6	1.9	117.1	5.9	118.5	123.0		116.8
37					6.2	6.2	116.6	1.9	117.1	5.9		123.0		116.8
38		4 1 1	1.5		6.2	6.2	116.6	1.9	117.1	5.9	118.5	123.0	•	116.8
39		100	. 3		6.2	6.2	116.6	1.9	117.1	5.9	118.5	123.0		116.8
40					6.2	6.2	116.6	1.9	117.1	5.5	118.5	123.0	* .	116.8
41					6.2	6.2	116.6	1.9	117.1	5.5		123.0		116.8
42					6.2	6.2	116.6	1.9	117.1	5.5		123.0		116.8
43					6.2	6.2	116.6	1.9	117.1	5.9		123.0		116.8
44				11.1	6.2	6.2	116.6	1.9	117.1	5.9		123.0		116.8
45					6.2	6.2	116.6	1.9		5.9		123.0		116.8
46				14.75	6.2	6.2	116.6	1.9		5.5		123.0		116.8
	2047		* *		6.2	6.2		1.9		5.9		123.0		116.8
	2048	•		178.5	6.2	184.7	116.6	1.9		5.9		123.0		(61.7)
	2049			•	6.2	6.2		1.9		5.9		123.0		116.8
	2050				6.2	6.2		1.9		5.9		123.0		116.8
	2051				6.2	6.2		1.9		5.9		123.0		116.8
	2052		1 .		6.2	6.2	116.6			5.9		123.0		116.8
	2053		ere i		6.2	6.2	116.6	1.9		5.9		123.0		116.8
	2054				6.2	6.2	116.6	1.9		5.9		123.0		116.8
	2055				6.2	6.2	116,6	1.9		5.9		123.0		116.8
	2056			150	6.2	6.2		1.9		5.9		123.0		116.8
	2057				6.2	6.2	116.6	1.9		5.9		123.0		116.8
	2058	100	12.1	(124.3)	6.2	(118.1	116.6	1.9	117.1	5.9	118.5	123.0		241.1
		breviations:								4.5		EIRR =	13.1%	13.5%

F.C.: Poreign currency portion
L.C.: Local currency portion
O.& M: Operation and maintenance costs
Alt. Therm.: Alternative thermal

Table 9.7 Calculation of Economic Benefits

	Dong Nat	Dong Nai	Dong Nai	and the second second second	Dong Na
Power station	No.3	No.4	Total	Tri An	+ Tri Ar
(1) Case A (Alternative thermal)					
1) Capacity and annual generation		÷.,			
90% peak power (MW)	218	256	474	. 2	47
Total energy					
2008 (GWh/year)	677	0	677	80	
2009 (GWh/year)	736	- 698	1434	80	
2010 (GWh/year)	736	841	1577	- 80	1657
2) Unit value of alternative thermal					
Capacity value (US\$/kW)	182.3	182.3	182.3	182.3	1000
Energy value (Usc/kWh)	1.916	1.916	1.916	1.916	1.
3) Assumption on commissioning		T. 1			
2008 (%)	92		•	100	
2009 (%)	100	83	-	100	1
2010 (%)	100	100		100	
4) Annual economic benefit (US\$ million)					100
2008 Capacity value	36.6		36.6	0.4	36.9
Total energy	13.0		13.0	1.5	14.5
Total benefit	49.5		49.5	1.9	51.4
2009 Capacity value	39.7	38.7	78.5	0.4	78.5
Total energy	14.1	13.4	27.5	1.5	29.0
Total benefit	53.8	52.1	106.0	1.9	107.9
2010 Capacity value	39.7	46.7	86.4	0.4	86.8
Total energy	14.1	16.1	30.2	1.5	31.8
Total benefit	53.8	62.8	116.6	1.9	118.
		••••			
(2) Case B (LRMC)					
1) LRMC (USc/kWh)	7.426	7.426	7.426	7.426	100
2) Annual economic benefit (US\$ million)					4 2
2008 Total benefit	50.3		50.3	5.9	56.2
2009 Total benefit	54.7	51.8	106.5	5.9	112.4
2010 Total benefit	54.7	62.5	117.1	5.9	123.0

Note:

¹⁾ Commissioning was assumed as shown 3) above.

Table 9.8 Computation of FIRR (1/2)

(Case of USc 4.5/kWh)

							Saleable			(Unit: US\$ Resources	minon	-
			pital costs		O&M	Total	energy	Power rate	Financial	tax	Current	
Vo.	Year	F.C.	L.C.	Total	costs	costs	(GWh)	(USc/kWh)	revenue	& VAT	surplus	В-С
1	2001	5.2	2.7	7.9		7.9						(7.
2	2002	6.6	11.8	18.4		18.4				·		(18.
3	2003	17.4	26.8	44.2	100	44.2						(44.
4	2004	40.1	42.4	82.5		82.5						(82.
5	2005	72.6	62.3	134.9		134.9						(134.
6	2006	124.6	75.7	200.3		200.3					1.7	(200.
7	2007	119.2	70.0	189.2		189.2			· · · · · · · · · · · · · · · · · · ·	·		(189.
8	2008	28.2	17.4	45.6	2.5	48.1	757	4.5	34.1	4.1	30.0	(18.
9	2009	3.6	0.6	4.2	5.4	9.6	1,514	4.5	63.1	8.2	60.0	50.
10	2010				6.0	6.0	1,657	4.5	74.6	8.9	65.6	59
11	2011				6.0	6.0	1,657	4.5	74.6	8.9	65.6	59.
12	2012		1 .		6.0	6.0	1,657	4.5	74.6	8.9	65.6	59.
13	2013				6.0	6.0	1,657	4.5	74.6	. 8.9	65.6	. 59.
14	2014				6.0	6.0	1,657	4.5	74.6	8.9	65.6	59.
15	2015				6.0	6.0	1,657	4.5	74.6	8.9	65.6	59.
16	2016				6.0	6.0	1,657	4.5	74.6	8.9	65.6	59
17	2017				6.0	6.0	1,657	4.5	74.6	8.9	65.6	59
18	2018				6.0	6.0	1,657	4.5	74.6	8.9	65.6	59
19	2019				6.0	6.0	1,657	4.5	74.6	8.9	65.6	59
20	2020	1.0			6.0	6.0	1,657	4.5	74.6	8.9	65.6	59
21	2021				6.0	6.0	1,657	4.5	74.6	8.9	65.6	59
22	2022				6.0	6.0	1,657	4.5	74.6	8.9	65.6	59
23	2023			- 44	6.0	6.0	1,657	4.5	74.6	8.9	65.6	59
24	2024				6.0	6.0	1,657	4.5	74.6	8.9	65.6	59
25	2025				6.0	6.0	1,657	4.5	74.6	8.9	65.6	59
26	2026		100		6.0	6.0	1,657	4.5	74.6	8.9	65.6	59
27	2027			1.11	6.0	6.0	1,657	4.5	74.6	8.9	65.6	: 59
28	2028	* .			6.0	6.0	1,657	4.5	74.6	8.9	65.6	59
29	2029	1.5		169.8	6.0	175.8	1,657	4.5	74.6	8.9	65.6 65.6	(110
30					6.0	6.0	1,657	4.5	74.6	8.9	65.6	59 59
31		-			6.0	6.0	1,657	4.5 4.5	74.6 74.6	8.9 8.9	65.6	59
32			1		6.0	6.0	1,657 1,657	4.5 4.5	74.6	8.9	65.6	55
33		÷, 1	4		6.0 6.0	6.0 6.0	1,657		74.6	8.9	65.6	59
34					6.0	6.0	1,657	4.5	74.6	8.9	65.6	59
35		•			6.0	6.0	1,657	4.5	74.6	8.9	65.6	59
36					6.0	6.0	1,657	4.5	74.6	8.9	65.6	59
37 38		4.1		. ,	6.0	6.0	1,657	4.5	74.6	8.9	65.6	. 59
39					6.0	6.0	1,657	4.5	74.6	8.9	65.6	59
40					6.0	6.0	1,657		74.6	8.9	65.6	. 59
41				1.7	6.0	6.0	1,657	4.5	74.6	8.9	65.6	59
42					6.0	6.0	1,657	4.5	74.6	8.9	65.6	59
43					6.0	6.0	1,657	4.5	74.6	8.9	65.6	59
	2044		•		6.0	6.0	1,657	4.5	74.6	8.9	65.6	59
45					6.0	6.0	1,657	4.5	74.6	8.9	65.6	59
	2046				6.0	6.0	1,657	4.5	74.6	8.9	65.6	59
	2047				6.0	6,0	1,657	4.5	74.6	8.9	65.6	. 5 9
48				169.8	6.0	175.8	1,657	4.5	74.6	8.9	65.6	(110
49					6.0	6.0	1,657	4.5	74.6	8.9	65.6	59
	2050				6.0	6.0	1,657		74.6	8.9	65.6	. 59
51					6.0	6.0	1,657	4.5	74,6	8.9	65.6	59
52					6.0	6.0	1,657	4.5	74.6	8.9	65.6	59
53					6.0	6.0	1,657	4.5	74.6	8.9	65.6	59
54					6.0	6.0	1,657	4.5	74.6	8.9	65.6	59
55		*.		•	6.0	6.0	1,657	4.5	74.6	8.9	65.6	59
	2056				6.0	6.0	1,657	4.5	74.6	8.9	65.6	59
57				17.00	6.0	6.0	1,657	4.5	74.6	8.9	65.6	59
58			4.5	(120.8)	6.0	(114.8)	1,657	4.5	74.6	8.9	65.6	180

Note: 1) Abbreviations:

F.C.: Foreign currency portion

L.C.: Local currency portion

2) Project construction cost excluding Transmission Line cost:

2) 110,0	C. C.L.WILMS		
	F.C.	L.C.	Total
Civil	176.9	182.4	359.3
Metal	150.6	19.2	169.8
Others	90.0	108.1	198.1
Total	417.5	309.7	727.2

Table 9.8 Computation of FIRR (2/2)

(Case of USc 5.0 /kWh)

		~					Saleable			Resources		
	-	Ca	pital costs		O&M	Total	energy	Power rate	Financial	tax	Current	
Ja.	Year	F.C.	L.C.	Total	costs	costs	(GWb)	(USc/kWb)		& VAT	surplus	B-C
0.	2001	5.2	2.7	7.9		7.9	(3112)	<u> </u>				(7.
2	2002	6.6	11.8	18.4	1 1	18.4						(18.
3	2002	17.4	26.8	44.2		44.2						(44.
4	2004	40.1	42.4	82.5		82.5		*				(82.
5	2005	72.6	62.3	134.9		134.9						(134.
6	2006	124.6	75.7	200.3		200.3						(200.
7	2007	119.2	70.0	189.2		189.2						(189.
8	2003	28.2	17.4	45.6	2.5		757	5.0	37.9	4.5	33.3	(14.
9	2009	3.6	0.6	4.2	5.4		1,514	5.0	75.7	9.1	66.6	57
10	2010	3.0	0.0	4.2	6.0		1,657	5.0	82.9	9.9	72.9	66
11	2011				6.0		1,657	5.0	82.9	9.9	72.9	66
12					6.0		1,657	5.0	82.9	9.9	72.9	66
13	2012			1	6.0		1,657	5.0	82.9	9.9	72.9	66
13 14	2013				6.0		1,657	5.0	82.9	9.9	72.9	66
15	2015		- '.		6.0		1,657	5.0	82.9	9.9	72.9	66
16	2016		3 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		6.0		1,657	5.0	82.9	9.9	72.9	66
17	2017				6.0		1,657	5.0	82.9	9.9	72.9	66
	2018				6.0		1,657	5.0	82.9	9.9	72.9	66
18 19	2019				6.0		1,657	5.0	82.9	9.9	72.9	66
20	2020				6.0		1,657	5.0	82.9	9.9	72.9	66
	2020				6.0		1,657	5.0	82.9	9.9	72.9	66
21	2021				6.0		1,657	5.0	82.9	9.9	72.9	66
23	2022			100	6.0		1,657	5.0	82.9	9.9	72.9	66
	2023				6.0		1,657	5.0	82.9	9.9	72.9	66
24					6.0		1,657	5.0	82.9	9.9	72.9	66
25	2025	A Company			6.0		1,657	5.0	82.9	9.9	72.9	66
26	2026 2027				6.0		1,657	5.0	82.9	9.9	72.9	66
27	2027			;	6.0		1,657	5.0	82.9	9.9	72.9	- 66
28				169.8	6.0		1,657	5.0	82.9	9.9	72.9	(102
29 30	2029 2030		:	109.0	6.0		1,657	5.0	82.9	9.9	72.9	66
31	2030				6.0	1	1,657	5.0	82.9	9,9	72.9	66
32	2032			1 B 1 8	6.0		1,657	5.0	82.9	9.9	72.9	66
33	2032				6.0		1,657	5.0	82.9	9.9	72.9	- 66
34	2034			- 3	6.0		1,657	5.0	82.9	9.9	72.9	66
35	2035		10 mg 15 mg	3.7	6.0		1,657	5.0	82.9	9.9	72.9	66
36	2036		-	Part Care	6.0		1,657	5.0	82.9	9.9	72.9	66
37	2037				6.0		1,657	5.0	82.9	9.9	72.9	66
38	2038	1.0	and the second		6.0		1,657	5.0	82.9	9.9	72.9	66
39	2039				6.0		1,657	5.0	82.9	9.9	72.9	66
10	2040		100		6.0		1,657	5.0	82.9	9.9	72.9	- 66
11			1		6.0		1,657	5.0	82.9	9.9	72.9	66
12	2042				6.0	* -	1,657	5.0	82.9	9.9	72.9	66
13	2043		100		6.0		1,657	5.0	82.9	9.9	72.9	66
14	2044				6.0		1,657	5.0	82.9	9.9	72.9	66
	2045	A			6.0		1,657	5.0	82.9	9.9	72.9	66
	2046				6.0		1,657	5.0	82.9	9.9	72.9	66
17					6.0		1,657	5.0	82.9	9.9	72.9	66
18	2048		1 1	169.8	6.0		1,657	5.0	82.9	9.9	72.9	(102
9			· . · .		6.0		1,657	5.0	82.9	9.9	72.9	66
50				e e de la constantina	6.0		1,657	5.0	82.9	9.9	72.9	66
51					6.0		1,657	5.0	82.9	9.9	72.9	66
52	2052	* .	. 1		6.0		1,657	5.0	82.9	9.9	72.9	. 66
	2053	1 7 7			6.0		1,657	5.0	82.9	9.9	72.9	66
54		* * * * * * * * * * * * * * * * * * *			6.0		1.657	5.0	82.9	9.9	72.9	- 66
	2055				6.0		1,657	5.0	82.9	9.9	72.9	66
56	2056		100		6.0		1,657	5.0	82.9	9.9	72.9	66
	2057		7.34		6.0		1,657	5.0	82.9	9.9	72.9	66
58	2058			(120.8)	6.0		1,657	5.0	82.9	9.9	72.9	187

Note: 1) Abbreviations:

F.C.: Foreign currency portion

L.C.: Local currency portion

2) Project construction cost excluding Transmission Line cost:

	F.C.	L.C.	Total
Civil	176.9	182.4	359.3
Metal	150.6	19.2	169.8
Others	90.0	108.1	198.1
Total	417.5	309.7	727.2

Columbried Trail Current Columbried Trail Current Columbried Trail Current Columbried Trail Current Columbried Columbrie	Power Loans received Car	Power	Loans received	sceived		Ű	apital costs			Outstanding	Ourstanding Repayment	Interest	Interest payment	Resources		;	Corporate	Surplus		
No. Color		Sales	Foreign	Domestic	Total				S & M	loan	ö	Foreign	Domestic	Xen	Total	Current	XII	. after	Cumulative	
150 150		revenue	(85%)	(15%)	SOUPCES	F.	ដ	Total	COSTS	principal	principal	(3.5%)	(13.0%)	& VAT	ESC.	surplus	раущен	ğ	ᅨ	*
156 25 1146 25 1146 20 1146 00 442 00			6.7	12	7.9	5.2	2.7	7.9		7.9				0.0	7.9	0.0	0.0	89		ន្ត :
711 6 66 442 714 208 842 770 9	1001		15.6	2.8	18.4	9.9	11.8	18.4		26.3				00	18.4	000	00	00		ĕ
1147 1154 823 414 624 825 11540 9 200 1540 9 00 1540 00 00 00 00 00 00 00 00 00 00 00 00 0	2003		37.6	9.9	1,	17.4	26.8	4		70.5				0.0	4	0.0	0	000	٠,	ž
1114.7 2012 13446 7623 13449 32879 0.00 13440 0.00 1344	88		70.1		82.5	40.1	42.4	82.5		153.0				0.0	82.5	00	0	00		č
1003 2004 2004 2005 1004 000 00	2002		114.7	207	134.9	7.0	623	134.9		287.9				0.0	134,9	00	80	8		గ్గ
100.8 28.4 28.6 19.2 77.4 4.0 18.7 0.0 10.0 3.6 0.6 7.7 5.4 77.7 3.4 5.4 77.7 5.4 5.7 77.0 10.0 3.6 0.6 7.7 3.6 6.6 6.0 685.7 3.1 3.4 5.7 17.8 5.7 17.8 5.7 17.8 5.7 17.8 5.7 17.8 4.0 20.0 17.8 4.0 20.0 17.8 4.0 20.0 17.8 4.0 20.0 17.8 4.0 </td <td>2006</td> <td>• •</td> <td>170.3</td> <td>30.0</td> <td>200.3</td> <td>124.6</td> <td>75.7</td> <td>200.3</td> <td></td> <td>488.2</td> <td></td> <td></td> <td></td> <td>0.0</td> <td>2003</td> <td>0.0</td> <td>ွ</td> <td>0.</td> <td></td> <td>ត្ត</td>	2006	• •	170.3	30.0	200.3	124.6	75.7	200.3		488.2				0.0	2003	0.0	ွ	0.		ត្ត
3.6. 7.7. 3.6. 7.7. 3.6. 4.2. 5.4. 7.7. 4.0. 5.7. 4.0. 5.0. 4.0. 5.0. 4.0. 5.0. 4.0. 5.0. 4.0. 5.0. 4.0. 5.0. 4.0. 5.0. 4.0. 5.0. 4.0. 5.0. 4.0. 5.0. 4.0. 5.0. 4.0. 5.0. <th< td=""><td>2007</td><td></td><td>160.8</td><td>28.4</td><td>189.2</td><td>119.2</td><td>70.0</td><td>189.2</td><td></td><td>677.4</td><td></td><td></td><td></td><td>0.0</td><td>189.2</td><td>0.0</td><td>0.0</td><td>00</td><td></td><td>ឥ</td></th<>	2007		160.8	28.4	189.2	119.2	70.0	189.2		677.4				0.0	189.2	0.0	0.0	00		ឥ
3.6 0.6 7.2 5.6 4.2 5.7 1.4 8.9 173 5.4 5.5 13.6 4.9 5.5 13.6 4.9 5.5 13.6 4.9 5.5 13.6 4.9 5.5 13.6 4.9 5.5 13.6 4.9 13.6 13.9 13.6 13.9 13.6 13.9 13.6 13.9 13.6 13.9 13.6 13.9 13.6 13.9 <td< td=""><td>2008</td><td>į</td><td>38.8</td><td>8,9</td><td>79.7</td><td>28.2</td><td>17.4</td><td>45.6</td><td>2.5</td><td>723.0</td><td></td><td></td><td></td><td>4</td><td>52.2</td><td>4.7.7</td><td>0,0 V</td><td>20.6</td><td>-</td><td>ត្ត</td></td<>	2008	į	38.8	8,9	79.7	28.2	17.4	45.6	2.5	723.0				4	52.2	4.7.7	0,0 V	20.6	-	ត្ត
74,6 6.0 6957 315 227 349 859 750 (35) 00 (35) 746 746 6.0 6.0 6927 315 22 115 859 759 (13) 00 (35) 746 746 6.0 6.0 6012 315 135 135 135 750 775 (13) 00 (35) 746 746 6.0 6.0 6012 315 137 137 137 137 137 137 137 137 137 137	5002	88.1	3.6	9.0	73	3,6	9.0	4	5.4	727.2			š .	8.2	17,8	54.5	13.6	60.9		<u>ج</u>
74,6 6,0 6642 31.5 35.2 73.6 (13) 0.0 (13) 74,6 6,0 6012 31.5 13.7 35.9 77.8 (13) 0.0 (13) 74,6 6,0 6012 31.5 13.7 17.2 27 8.9 77.8 0.0 0.0 0.0 74,6 6,0 602 31.5 13.0 77 8.9 77.8 0.0	2010	74.6			74.6				6.0	695.7		21.7		80	83.	(8.5)	0.0	(S.5)		8
74,6 6.0 6622.7 31.5 39.8 85.9 75.9 (13) 0.0 0.1 74,6 6.0 600.0 558.4 31.5 18.0 71.1 85.9 73.8 0.4 0.0 0.0 74,6 6.0 500.6 31.5 18.0 71.1 85.9 71.6 2.9 9.0 72.1 11.0 2.0 0.0 0.0 0.0 9.0 71.1 11.0 2.0 0.0 0.0 0.0 9.0 5.1 11.2 2.0 7.1 11.0 2.0 7.1 11.0 2.0 0.0 9.0 7.1 11.0 2.0 0.0 9.0 7.1 11.0 2.0 0.0 9.0 7.1 11.0 2.0 0.0 9.0 7.1 11.0 9.0 7.1 2.0 7.0 11.0 9.0 7.1 2.0 7.0 11.0 9.0 9.0 9.0 9.0 9.0 9.0 9.0 9.0 9.0	2011	74,6			74.6				0.0	864.2		20.2		80	78.0	3.5	00	િ ઉ		2
74,6 6.0 601.2 31.5 3.5 8.9 73.8 0.8 0.2 0.0 0.	2012	74.6			74.6				6.0	632.7		19.5		80	75.9	ନ ପ	00	6		R
746 60 5896 31.5 18.0 71.1 8.9 71.6 2.9 0.7 2.9 7.1 8.9 71.6 2.9 0.7 2.3 8.9 7.1 1.3 3.8 7.1 1.3 3.8 7.1 1.3 3.8 7.1 1.3 3.8 8.9 67.3 7.1 1.3 3.8 7.1 1.3 3.8 7.1 1.3 3.8 7.1 1.3 3.8 7.1 1.3 3.8 7.1 1.3 3.8 7.1 1.3 3.8 7.1 1.3 3.8 7.1 1.3 3.8 7.1 1.3 3.8 7.1 1.3 3.8 7.1 1.3 3.8 3.8 67.3 7.2 1.1 3.8 3.8 67.3 3.8 <th< td=""><td>2013</td><td>74.6</td><td></td><td></td><td>74.6</td><td>•</td><td></td><td></td><td>9</td><td>601.2</td><td>:</td><td>18.7</td><td>27</td><td>8,9</td><td>8,5</td><td>8.0</td><td>0.2</td><td>9.0</td><td></td><td>ล</td></th<>	2013	74.6			74.6	•			9	601.2	:	18.7	27	8,9	8,5	8.0	0.2	9.0		ล
74.6 60 558.1 31.5 57.3 8.9 69.5 5.1 13 53.8 74.6 60 475.1 31.5 15.4 8.9 67.2 7.2 1.8 5.4 74.6 60 475.1 31.5 15.4 10.0 85.9 67.2 7.2 1.8 5.4 20.0 55.4 2.9 67.2 7.2 1.8 5.4 2.9 67.2 7.2 1.8 5.4 1.0 8.9 67.2 9.4 2.9 65.2 9.4 1.0 8.9 65.2 9.4 1.0 8.9 65.2 9.4 1.0 8.9 65.2 9.4 1.0 8.9 65.2 9.4 1.0 8.9 65.2 9.4 1.0 8.9 65.2 9.4 1.0 8.9 65.2 9.4 1.0 8.9 65.2 9.4 1.0 8.9 65.2 9.4 1.0 8.9 65.2 9.4 1.0 8.9 65.2 <t< td=""><td>2014</td><td>74.6</td><td></td><td></td><td>74.6</td><td>5. 2.</td><td></td><td></td><td>0.0</td><td>269.6</td><td></td><td>18.0</td><td> 2.,</td><td>8.0</td><td>71.6</td><td>2.9</td><td>0.7</td><td>22</td><td></td><td>ន</td></t<>	2014	74.6			74.6	5. 2.			0.0	269.6		18.0	 2.,	8.0	71.6	2.9	0.7	22		ន
746 6.0 506.6 31.5 15.6 4.3 5.7 1.8 5.4 746 6.0 475.1 31.5 15.9 2.8 67.2 7.2 1.8 5.4 746 6.0 475.1 31.5 15.1 1.4 8.9 65.2 9.4 2.3 1.0 746 6.0 500.2 200.2 31.5 1.4 0.0 8.9 49.5 2.3 1.0 746 6.0 500.2 200.2 20.6 13.7 0.0 8.9 49.5 25.3 1.0 746 6.0 500.2 20.0 11.3 0.0 8.9 47.1 27.5 1.0 746 6.0 20.0 20.0 11.3 0.0 8.9 47.1 27.2 1.0 746 6.0 20.0 20.0 20.0 8.9 4.7 20.0 20.0 1.1 20.0 20.0 20.0 20.0 20.0 20.0	2015	74.6			74.6				0.9	538.1	:	17.3	:	8.9	69.5	5.1	1.3	3,8		ខ្ល
746 60 475.1 31.5 15.9 2.3 7.0 746 60 445.6 31.5 11.4 8.9 65.1 11.5 2.9 8.9 746 60 420.1 31.5 14.4 0.0 8.9 60.1 11.6 2.9 63 3.4 10.2 746 60 370.3 20.6 13.7 0.0 8.9 46.3 15.6 3.9 63 10.0 8.9 46.3 15.6 3.0 10.0 8.9 46.3 15.6 3.0 10.0 8.9 46.3 10.0 8.9 46.3 10.0 8.9 46.3 10.0 8.9 46.3 10.0 8.9 46.3 10.0 8.9 46.3 10.0 8.9 46.3 10.0 8.9 46.3 10.0 8.9 46.3 10.0 8.9 46.3 10.0 8.9 46.3 10.0 8.9 46.3 10.0 8.9 46.3 10.0 8.9 </td <td>2016</td> <td>74.6</td> <td></td> <td></td> <td>74.6</td> <td></td> <td></td> <td></td> <td>6,0</td> <td>506.6</td> <td></td> <td>16.6</td> <td></td> <td>8.9</td> <td>67.3</td> <td>7.2</td> <td>1.8</td> <td>5.4</td> <td></td> <td>8</td>	2016	74.6			74.6				6,0	506.6		16.6		8.9	67.3	7.2	1.8	5.4		8
746 60 44456 31.5 15.1 11.4 8.9 63.1 11.5 2.9 8.6 746 60 442.1 31.5 14.4 0.0 8.9 13.6 3.4 3.0 746 60 391.5 20.6 13.0 0.0 8.9 48.5 25.0 5.0 13.0 6.0 13.0 6.0 8.9 47.1 27.4 6.0 13.0 13.0 48.9 48.5 25.0 5.0 13.0 6.0 8.9 47.1 27.4 6.0 13.0 8.9 47.1 27.4 6.0 13.0 8.9 47.1 27.4 6.0 13.0 8.9 47.1 27.4 6.0 13.0 8.9 47.1 27.0 6.0 13.0 8.9 47.1 27.4 6.0 20.0 8.9 47.1 27.4 6.0 20.0 8.9 47.1 27.4 6.0 20.0 8.9 47.1 27.0 20.1 20.0	2017	74.6			74.6				0.0	475.1			2,00	8,9	65.2	4.0	23	7,0		ន
746 6.0 4,221 31.5 14.4 0.0 8.9 60.9 13.6 3.4 10.2 746 6.0 370.5 20.6 13.7 0.0 8.9 49.3 25.3 10.5 746 6.0 370.5 20.6 13.7 0.0 8.9 47.9 26.7 10.5 746 6.0 329.7 20.6 11.3 0.0 8.9 47.9 26.7 20.0 746 6.0 329.7 20.6 11.3 0.0 8.9 45.4 20.7 20.0 746 6.0 329.7 20.6 10.1 0.0 8.9 45.7 20.7 20.1 746 6.0 20.0 8.9 40.0 8.9 45.7 20.7 20.1 746 6.0 20.0 8.9 40.0 8.9 44.2 30.3 23.4 746 6.0 20.0 8.9 40.0 8.9 40.1 20.1	2018	74.6			74.6				9	443.6	٠.,		1.4	6.8	63.1	11.5	2.9	8.6		ន
Tade 60 3915 20.6 13.7 0.0 8.9 44.3 25.3 6.3 150.0 74.6 60 370.9 20.6 13.0 0.0 8.9 47.1 25.7 6.7 10.5 74.6 60 320.7 20.6 11.5 0.0 8.9 47.1 27.4 6.9 20.0 74.6 60 220.7 20.6 10.8 8.9 47.1 27.4 6.9 20.0 74.6 60 220.7 20.6 10.8 8.9 46.1 22.7 6.0 20.1 74.6 60 220.7 20.6 8.7 0.0 8.9 44.2 22.7 6.0 20.7 20.1 8.9 44.2 20.0 5.0 20.0 20.0 8.9 44.2 20.0 5.0 20.0 20.0 20.0 20.0 20.0 20.0 8.9 44.1 20.1 20.1 20.1 20.0 20.0 20.0 <t< td=""><td>2019</td><td>74.6</td><td></td><td></td><td>74.6</td><td></td><td></td><td></td><td>0,0</td><td>412.1</td><td></td><td></td><td></td><td>6,8</td><td>609</td><td>13.6</td><td>4.6</td><td>10.2</td><td>٠.</td><td>ន</td></t<>	2019	74.6			74.6				0,0	412.1				6,8	609	13.6	4.6	10.2	٠.	ន
74,6 6,0 370,9 20,6 130 0,0 8.9 4%,6 20,0 5,0 350,3 20,6 13.3 0,0 8.9 47,1 27,4 6,7 20,0 74,6 6,0 390,3 20,6 113.3 0,0 8.9 47,1 27,4 6,9 20,0 74,6 6,0 290,3 20,6 10,1 0,0 8.9 46,4 20,2 20,0 74,6 6,0 290,3 20,6 10,1 0,0 8.9 46,7 20,2 20,0 21,1 74 6,9 74 10,0 8.9 46,7 20,2 20,0 74 10,0 8.9 46,7 20,2 20,0 74 10,0 8.9 46,7 20,2 20,0 74 20,0 8.9 46,7 20,2 20,0 74 20,0 74 20,0 74 20,0 74 20,2 20,0 74 20,2 20,0 74 20,2 20,	2020	74.6			74.6				0.0	391.5	1	٠.		8.9	49.3	25.3	6.3	19.0		ຊ
74,6 6.0 350,3 20.6 11.3 0.0 8.9 47.9 26.7 6.7 20.0 74,6 6.0 390,7 20.6 11.5 0.0 8.9 47.1 27.4 6.9 20.0 74,6 6.0 390,7 20.6 10.1 0.0 8.9 46.4 28.2 7.0 21.1 74,6 6.0 287,9 20.6 10.1 0.0 8.9 46.7 28.9 7.2 21.1 74,6 6.0 267,2 20.6 7.9 0.0 8.9 46.2 30.3 7.4 21.1 74,6 6.0 267,2 20.6 7.2 0.0 8.9 46.2 30.3 7.4 22.2 74,6 6.0 260,2 20.6 5.0 0.0 8.9 42.1 37.4 22.4 74,6 6.0 164.2 20.6 5.0 8.9 42.1 37.5 8.1 37.4 37.4 37	2021	74.6			74.6			 - 2-	9.0	370.9			·	6.8	48.6	26.0	6.5	2,61		ဂ္ဂ
746 6.0 329.7 20.6 11.5 0.0 8.9 47.1 27.7 6.0 20.0 746 6.0 239.7 20.6 10.1 0.0 8.9 47.1 27.7 5.0 746 6.0 228.8 20.6 10.1 0.0 8.9 45.7 28.2 7.2 21.1 746 6.0 267.9 20.6 8.7 0.0 8.9 45.0 22.7 22.7 746 6.0 226.6 20.6 7.2 0.0 8.9 45.2 31.0 7.8 22.7 746 6.0 226.6 20.6 7.2 0.0 8.9 42.1 32.2 31.0 7.4 22.2 746 6.0 20.6 20.6 5.8 0.0 8.9 42.1 32.2 8.1 24.4 22.2 32.2 4.2 30.3 7.5 22.2 32.2 0.0 8.9 4.2 30.3 7.4 22.2	88	74.6			74.6				0.0	3503				6.8	47.9	26.7	6.7	20.0		ຂ
74,6 6.0 2984. 20.6 10.8 6.0 8.9 46.4 20.2 70 21.1 74,6 6.0 2984. 20.6 10.1 6.0 8.9 46.7 20.2 74,2 74,6 6.0 287.9 20.6 10.1 6.0 8.9 45.7 20.3 7.4 22.2 74,6 6.0 247.2 20.6 8.7 0.0 8.9 44.2 30.3 7.6 22.7 74,6 6.0 247.2 20.6 7.9 0.0 8.9 44.2 30.3 7.6 22.7 74,6 6.0 247.2 20.6 5.8 0.0 8.9 42.1 32.5 8.1 24,4 74,6 6.0 135.4 20.6 5.8 0.0 8.9 42.1 32.5 8.1 24,4 74,6 6.0 132.4 20.6 5.8 0.0 8.9 42.1 32.5 8.3 24,9 74,6 6.0 132.4 20.6 5.9 0.0 8.9 92.2 55.4 8.8 26.5 74,6 6.0 132.4 20.6 5.9 0.0 8.9 39.2 55.4 8.8 26.5 74,6 6.0 103.0 20.6 14.4 0.0 8.9 39.2 55.4 8.8 26.5 74,6 6.0 20.6 14.4 20.6 2.9 0.0 8.9 37.0 37.5 9.4 8.8 26.5 74,6 6.0 20.6 20.6 0.0 8.9 37.0 37.5 9.6 22.7 74,6 6.0 20.6 20.6 0.0 8.9 37.0 37.5 9.6 22.7 74,6 6.0 20.6 20.6 0.0 8.9 37.0 37.5 9.6 22.7 74,6 6.0 0.0 20.6 0.0 0.0 8.9 37.0 37.5 9.6 22.7 74,6 6.0 0.0 20.6 0.0 0.0 8.9 37.0 37.5 9.6 22.7 74,6 6.0 0.0 20.6 0.0 0.0 8.9 37.0 37.5 9.6 22.7 74,6 6.0 0.0 20.6 0.0 0.0 8.9 37.0 37.5 9.6 22.7 74,6 6.0 0.0 20.6 0.0 0.0 8.9 37.0 37.5 9.6 22.7 74,6 6.0 0.0 20.6 0.0 0.0 8.9 37.0 37.5 9.6 22.7 74,6 6.0 0.0 20.6 0.0 0.0 8.9 37.0 37.5 9.6 22.7 74,6 6.0 0.0 20.6 0.0 0.0 8.9 37.0 37.5 9.6 22.7 74,6 6.0 0.0 20.6 0.0 0.0 8.9 37.0 37.5 9.6 22.7 74,6 74,6 74,6 74,6 74,6 74,6 74,6 74,	202	74.6			74.6				0.0	329.7			: .	8,9	47.1	4.7.2	0,0	20.6		8
74,6 6.0 288.5 20.6 10.1 0.0 8.9 45.7 28.9 7.2 21.7 74,6 6.0 247.2 20.6 9.4 0.0 8.9 45.0 7.6 22.2 74,6 6.0 247.2 20.6 8.7 0.0 8.9 45.5 31.0 7.8 22.2 74,6 6.0 226.6 20.6 7.2 0.0 8.9 42.1 37.5 23.3 74,6 6.0 185.4 20.6 5.8 0.0 8.9 42.1 37.5 8.1 24.4 74,6 6.0 185.4 20.6 5.8 0.0 8.9 42.1 37.5 8.1 24.4 74,6 6.0 144.2 20.6 5.0 8.9 41.4 33.2 8.3 24.9 74,6 6.0 142.2 20.6 5.0 8.9 99.9 34.6 8.7 26.0 74,6 6.0 142.2 20.6 3.6 0.0 8.9 39.2 35.4 8.8 26.5 74,6 6.0 142.2 20.6 1.0 8.9 39.2 35.4 8.8 26.5 74,6 6.0 20.6 20.6 0.0 8.9 37.0 37.5 9.4 28.1 74,6 6.0 20.6 20.6 0.0 8.9 37.0 37.5 9.4 28.1 74,6 6.0 20.6 20.6 0.0 8.9 37.0 37.5 9.4 28.1 74,6 6.0 20.6 20.6 0.0 8.9 35.3 38.3 9.6 28.7 74,6 6.0 20.6 20.6 0.0 8.9 35.6 39.0 97. 22.7 74,6 6.0 20.6 20.6 0.0 0.0 8.9 35.6 39.0 97. 22.7 74,6 6.0 20.6 20.6 0.0 0.0 8.9 35.6 39.0 97. 22.7 74,6 6.0 10.0 20.0 0.0 0.0 8.9 35.6 39.0 97. 44.7	2024	74.6			74.6				0.0	300.1				8.9	4.04	28.2	2.0	21.1		g
746 60 2679 20.6 9.4 0.0 8.9 45.0 20.6 7.4 22.2 746 6.0 2472 20.6 8.7 0.0 8.9 44.2 30.3 7.6 22.7 74.6 6.0 206.0 20.6 7.2 0.0 8.9 42.1 32.5 3.3 74.6 6.0 185.4 20.6 6.5 0.0 8.9 42.1 32.5 8.1 24.4 74.6 6.0 185.4 20.6 6.5 0.0 8.9 42.1 32.5 8.1 24.4 74.6 6.0 144.2 20.6 5.8 0.0 8.9 42.1 32.5 8.3 24.9 74.6 6.0 144.2 20.6 5.9 0.0 8.9 39.2 35.4 8.8 26.5 74.6 6.0 103.0 20.6 3.6 0.0 8.9 39.2 35.4 8.8 26.5 74.6 6.0 103.0 20.6 2.9 0.0 8.9 39.2 35.4 8.8 26.5 74.6 6.0 20.6 0.0 8.9 37.0 37.5 9.4 27.1 74.6 6.0 20.6 0.0 8.9 37.0 37.5 9.4 28.1 74.6 6.0 20.6 0.0 0.0 8.9 35.3 38.3 9.6 28.7 74.6 6.0 20.6 0.0 0.0 0.0 8.9 35.6 39.0 9.7 74.6 6.0 20.6 0.0 0.0 0.0 8.9 35.6 39.0 9.7 74.6 6.0 20.6 0.0 0.0 0.0 8.9 35.6 39.0 9.7 74.6 6.0 10.0 20.6 0.0 0.0 0.0 8.9 35.6 39.0 9.7 74.6 6.0 10.0 20.6 0.0 0.0 0.0 8.9 35.6 39.0 9.7 74.6 6.0 10.0 20.6 0.0 0.0 0.0 8.9 35.6 39.0 9.7 74.6 6.0 10.0 20.6 0.0 0.0 0.0 8.9 35.6 39.0 9.7 74.6 6.0 10.0 20.6 0.0 0.0 0.0 0.0 8.9 35.6 39.0 9.7 74.6 6.0 10.0 20.6 0.0 0.0 0.0 0.0 8.9 35.6 39.0 9.7 74.6 6.0 10.0 0.0 0.0 0.0 0.0 0.0 8.9 35.6 39.0 9.7 74.6 6.0 10.0 20.6 0.0 0.0 0.0 0.0 8.9 35.6 39.0 9.7 74.6 6.0 10.0 20.6 0.0 0.0 0.0 0.0 9.9 15.0 59.6 14.9 44.7	2025	74.6			74.6				0.0	288.5		-,		8.9	45.7	28.9	7.2	21.7		ପ୍ଲ
74.6 6.0 247.2 20.6 8.7 0.0 8.9 44.2 30.3 7.6 22.7 74.6 6.0 226.6 20.6 7.2 0.0 8.9 45.5 31.0 7.8 23.3 74.6 74.6 6.0 206.0 20.6 7.2 0.0 8.9 45.5 31.0 7.8 23.3 74.6 74.6 6.0 206.0 20.6 7.2 0.0 8.9 42.1 32.2 8.3 24.9 74.6 6.0 185.4 20.6 5.0 0.0 8.9 42.1 32.2 8.3 24.9 74.6 6.0 123.6 20.6 5.0 0.0 8.9 40.6 33.9 8.5 25.4 74.6 6.0 123.6 20.6 4.3 0.0 8.9 39.2 35.4 8.8 26.5 74.6 6.0 123.6 20.6 8.9 39.2 35.4 8.8 26.5 74.6 6.0 123.6 20.6 2.9 0.0 8.9 39.2 35.4 8.8 26.5 74.6 6.0 123.6 20.6 2.9 0.0 8.9 39.2 35.4 8.8 26.5 74.6 6.0 41.2 20.6 1.4 0.0 8.9 37.0 37.5 9.4 23.1 27.4 6.0 0.0 20.6 0.0 8.9 37.0 37.5 9.4 23.1 27.4 6.0 0.0 20.6 20.0 8.9 37.3 36.3 9.2 27.4 6.0 0.0 20.6 20.0 8.9 37.0 37.5 9.4 23.1 27.4 6.0 0.0 20.6 20.0 8.9 37.0 37.5 9.4 23.1 27.4 6.0 0.0 20.6 20.0 8.9 37.0 37.5 9.4 23.1 27.4 6.0 0.0 20.6 20.0 20.0 8.9 37.0 37.5 9.4 23.1 27.4 6.0 20.6 20.0 20.0 8.9 37.0 37.5 9.4 23.1 27.4 6.0 20.6 20.0 20.0 20.0 8.9 37.0 37.5 9.4 23.1 27.4 6.0 20.6 20.0 20.0 20.0 8.9 37.0 37.5 9.4 23.1 27.4 6.0 20.6 20.0 20.0 20.0 8.9 37.0 37.5 9.4 23.1 27.4 6.0 20.6 20.0 20.0 20.0 20.0 20.0 20.0	2026	74.6			74.6				6.0	267.9				0.8	45.0	29.6	7.4	22.2		ន
74,6 6.0 226,6 20,6 7,9 0,0 8,9 45,5 31,0 7,8 23,3 74,6 74,6 8,0 206,0 206,0 206,0 206,0 206,0 206,0 206,0 206,0 206,0 206,0 206,0 206,0 206,0 20,0 8,9 42,1 32,5 8,1 24,4 74,6 6,0 164,8 20,6 5,0 0,0 8,9 40,4 33,9 8,5 25,4 74,6 6,0 123,6 20,6 4,3 0,0 8,9 39,2 34,6 8,7 26,0 74,6 6,0 123,6 20,6 3,6 0,0 8,9 39,2 34,6 8,7 26,0 74,6 6,0 123,6 20,6 2,9 0,0 8,9 37,8 36,8 9,2 27,6 74,6 6,0 13,0 20,6 1,4 0,0 8,9 37,8 36,8 9,2 27,6 74,6 6,0 0,0 20,6 20,6 0,0 8,9 37,8 36,8 9,2 27,6 74,6 6,0 0,0 20,6 20,6 0,0 8,9 37,8 36,8 9,2 27,6 74,6 6,0 0,0 20,6 20,6 0,0 8,9 35,6 38,9 9,6 28,7 34,6 6,0 0,0 0,0 8,9 35,6 38,9 9,7 29,2 37,6 5,0 0,0 0,0 8,9 35,6 38,9 9,7 29,2 37,6 5,0 0,0 0,0 8,9 15,0 59,6 14,9 44,7	2027	74.6			74.6				0.0	247.2		٠		8.9	44.2	30.3	7.6	i,	١.	8
74.6 169.8 6.0 206.0 20.6 7.2 0.0 8.9 212.6 (138.0) 0.0 (138.0) 74.6 6.0 185.4 20.6 6.5 0.0 8.9 42.1 32.5 8.1 24.4 74.6 6.0 144.2 20.6 5.0 0.0 8.9 41.4 33.2 8.5 25.4 74.6 6.0 144.2 20.6 4.3 0.0 8.9 39.9 34.6 8.7 26.0 74.6 6.0 123.6 20.6 4.3 0.0 8.9 39.2 35.4 8.8 26.5 74.6 6.0 103.0 20.6 2.9 0.0 8.9 38.5 35.4 8.8 26.5 74.6 6.0 41.2 20.6 1.4 0.0 8.9 37.8 36.8 9.2 27.6 74.6 6.0 41.2 20.6 1.4 0.0 8.9 37.8 36.8 9.2 27.6 74.6 6.0 20.6 0.0 0.0 8.9 35.6 39.0 9.7 29.2 74.6 6.0 0.0 20.6 0.0 8.9 35.6 39.0 9.7 29.2 74.6 6.0 0.0 20.6 0.0 8.9 35.6 39.0 9.7 29.2 74.6 6.0 0.0 0.0 8.9 35.6 39.0 9.7 29.2 74.6 6.0 0.0 0.0 8.9 35.6 39.0 9.7 29.2 74.7 2.8 2.8 2.8 2.8 2.8 2.8 2.8 2.8 2.8 2.8	2028	74.6			74.6				0.0	226.6				8.9	43.5	31.0	7,8	ES.		2028
74,6 6.0 185,4 20.6 6.5 0.0 8.9 42.1 37.5 8.1 24,4 74,6 6.0 164,8 20.6 5.8 0.0 8.9 41,4 35.2 8.3 24.9 74,6 6.0 123,6 20.6 5.0 0.0 8.9 39.9 34.6 8.7 26.0 74,6 6.0 103,0 20.6 0.0 8.9 39.2 35.4 8.8 20.5 74,6 6.0 103,0 20.6 2.9 0.0 8.9 37.8 36.8 9.2 27.6 74,6 6.0 20.6 20.6 0.0 8.9 37.8 36.8 9.2 27.6 74,6 6.0 20.6 0.0 8.9 37.8 36.8 9.2 27.6 74,6 6.0 20.6 0.0 8.9 37.8 36.8 9.2 27.7 74,6 6.0 0.0 20.6 0.0 8.9 35.5 39.0 9.7 29.2 74,6 6.0 0.0 0.0 8.9 35.6 39.0 9.7 29.2 74,74,6 6.0 0.0 0.0 8.9 35.6 39.0 9.7 29.2 74,74,6 6.0 0.0 0.0 8.9 35.6 39.0 9.7 29.2	2029	74.6			74.6			169.8	9	206.0		7.2	00	0.8 0.8	212.6	(138.0)	0.0	(138.0)		8
74,6 6.0 164,8 20.6 5.8 0.0 8.9 41.4 33.2 8.3 24.9 74,6 6.0 123,6 20.6 5.0 0.0 8.9 40.6 33.9 8.5 25.4 74,6 6.0 123,6 20.6 4.3 0.0 8.9 39.2 34.6 8.7 26.0 74,6 6.0 82.4 20.6 2.9 0.0 8.9 38.2 36.1 9.0 27.1 74,6 6.0 81.8 20.6 2.2 0.0 8.9 37.8 36.8 9.2 27.6 74,6 6.0 41.2 20.6 1.4 0.0 8.9 37.0 37.5 9.4 28.1 74,6 6.0 20.6 20.6 0.0 8.9 37.0 37.5 9.4 28.1 74,6 6.0 20.6 20.6 0.0 0.0 8.9 35.6 39.0 9.7 29.2 74,7 6.0 0.0 0.0 0.0 8.9 15.0 59.6 14.9 44.7 75,7 6.0 0.0 0.0 0.0 8.9 15.0 59.6 14.9 44.7	500	74.6			74.6				6.0	185.4			0.0	δ.8 	2	32.5	8.1	4.4%		ន
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71. 71. <td></td> <td></td> <td>740</td> <td></td> <td></td> <td></td> <td>9</td> <td>538.1</td> <td>31.5</td> <td>24.7</td> <td>5.7</td> <td>8.9</td> <td>76.9</td> <td>6</td> <td>00</td> <td></td> <td>7.0</td> <td></td>			740				9	538.1	31.5	24.7	5.7	8.9	76.9	6	00		7.0	
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National Part	•		74,				0.0	370.9	20.6	18.5	0.0	6,8	54.1	20.4	5.1		48.2	
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1446 745			74.	· ·			0,0	185.4	20.6	83	8	8.9	4	29.7	7.4		\$8.3	
2023 74.6 74.5 74.7 74.5 74.5 <th< td=""><td>٠,</td><td></td><td><u>4</u></td><td>.</td><td></td><td></td><td>0.0</td><td>164.8</td><td>20.0</td><td>8.2</td><td>9</td><td>0. 0.</td><td>43.8</td><td>30.7</td><td>7.7</td><td></td><td>81.3</td><td></td></th<>	٠,		<u>4</u>	.			0.0	164.8	20.0	8.2	9	0. 0.	43.8	30.7	7.7		81.3	
2024 746 746 6.0 125.0 20.0 8.9 41.8 32.8 8.2 246 125.7 2024 74.6 6.0 125.0 20.0 8.9 41.8 32.8 8.2 24.6 125.7 2024 74.6 6.0 103.0 20.6 5.2 0.0 8.9 41.8 32.8 8.5 25.4 155.1 2024 74.6 74.6 6.0 82.4 20.6 41.0 0.0 8.9 34.7 34.9 8.7 26.1 181.2 2024 74.6 74.6 6.0 41.2 20.6 2.1 0.0 8.9 37.7 34.9 9.2 27.7 235.8 2039 74.6 74.6 6.0 41.2 20.6 1.0 0.0 8.9 37.7 34.9 9.2 27.7 235.8 2039 74.6 74.6 6.0 0.0 20.6 0.0 0.0 8.9 35.6 37.9 9.5 22.5 254.3 2039 74.6 74.6 6.0 0.0 0.0 0.0 8.9 35.6 37.9 9.5 22.5 254.3 2039 74.6 74.6 6.0 0.0 0.0 0.0 8.9 35.6 37.9 9.7 22.2 235.2 2034 74.6 74.6 6.0 0.0 0.0 0.0 8.9 35.6 37.9 9.7 22.2 235.2 2034 74.6 74.6 6.0 0.0 0.0 0.0 8.9 35.6 37.9 9.7 22.2 235.2 2034 74.6 74.6 6.0 0.0 0.0 0.0 8.9 35.6 37.9 9.7 22.2 235.2 2034 74.6 74.6 2.0 0.0 0.0 0.0 8.9 35.6 37.9 9.7 22.2 235.2 2034 74.6 74.6 2.0 0.0 0.0 0.0 8.9 35.6 37.9 9.7 22.2 235.2 2034 74.6 74.6 2.0 0.0 0.0 0.0 8.9 35.6 39.0 9.7 22.2 235.2 23	-		74.				0.0	144.2	9	1	00	D.	42.8	31.8	7.9		105.1	
2025 746 746 60 824 206 4.1 0.0 8.9 39.7 34.9 8.7 26.1 181.2 2026 74.6 74.6 6.0 61.8 20.0 8.9 39.7 34.9 8.7 26.1 181.2 2026 74.6 74.6 6.0 61.8 20.6 3.1 0.0 8.9 39.7 34.9 8.7 26.1 181.2 2026 74.6 74.6 6.0 41.2 20.6 2.1 0.0 8.9 37.7 36.9 9.0 26.9 208.1 203.8 74.6 74.6 6.0 0.0 20.6 0.0 0.0 8.9 35.6 37.9 9.5 28.5 28.4 203.8 74.6 74.6 6.0 0.0 0.0 0.0 8.9 35.6 37.9 9.5 28.5 28.5 28.3 203.8 74.6 74.6 6.0 0.0 0.0 0.0 8.9 35.6 37.9 9.7 29.2 293.5 203.8 74.6 74.6 6.0 0.0 0.0 0.0 8.9 15.0 59.6 14.9 44.7 338.2 2.0 293.5 29	202		4 5				3 4	9 2	0.05	, ç	3 6	ο. •	814	37.8	% °		129.7	
2036 74.6 74.6 6.0 61.8 20.6 3.1 0.0 8.9 38.7 35.9 9.0 25.9 208.1 2037 74.6 6.0 61.8 20.6 2.1 0.0 8.9 37.7 36.9 9.0 25.9 208.1 2038 74.6 74.6 6.0 41.2 20.6 2.1 0.0 8.9 37.7 36.9 9.2 27.7 235.8 2039 74.6 74.6 6.0 20.6 20.0 0.0 8.9 35.6 37.9 9.5 28.5 26.3 23.8 2039 74.6 74.6 6.0 0.0 0.0 0.0 8.9 35.6 37.9 9.5 28.5 26.3 23.8 2039 74.6 74.6 6.0 0.0 0.0 0.0 8.9 15.0 59.6 14.9 44.7 338.2 2.1 0.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1	203		. 4				3 6	82.4	20.6	. 4	3 3	, o	i o	5 4 5 0	, x		1812	
2037 74.6 74.6 74.6 6.0 41.2 20.6 2.1 0.0 8.9 37.7 36.9 9.2 77.7 235.8 2038 74.6 74.6 6.0 20.6 20.6 1.0 0.0 8.9 36.6 37.9 9.5 28.5 254.3 2039 74.6 74.6 6.0 20.6 20.6 0.0 0.0 8.9 36.6 37.9 9.5 28.5 254.3 2039 74.6 74.6 6.0 0.0 0.0 0.0 8.9 36.6 39.0 9.7 22.2 235.5 204.3 2	2036		7.				9	61.8	20.6	3.1	00	8.0	200	35.0	00		208.1	
2038 746 746 50 206 1.0 0.0 8.9 36.6 379 9.5 28.5 2543 2039 746 6.0 0.0 0.0 0.0 8.9 35.6 379 9.5 28.5 2543 2040 746 6.0 0.0 0.0 0.0 0.0 8.9 35.6 39.0 9.7 29.2 29.3 2040 746 6.0 0.0 0.0 0.0 0.0 0.0 8.9 35.6 39.0 9.7 29.2 29.3 2040 746 746 746 746 746 746 746 746 746 746	2037		74.				9	41.2	20.6	2.1	0.0	0.8	37.7	980	6		235.8	
2039 74.6 74.6 6.0 0.0 20.6 0.0 0.0 8.9 35.6 39.0 9.7 29.2 293.5 2040 74.6 6.0 0.0 0.0 0.0 8.9 15.0 59.6 14.9 44.7 338.2 3.1	2038		74.	~			0.0	20.6	20.6	1.0	0.0	8	36.6	37.9	9.5		264.3	
2040 74.6	2039		74.	· ·	-	-	9	90	20.6	0.0	00	8	35.6	39.0	9.7		293.5	
1) Abbreviations F.C.: Foreign currency portion L.C.: Local currency portion 2) Project construction cost: Civil 176.9 182.4 359.3 Metal 150.6 19.2 169.8 Others 90.0 108.1 198.1 Total 417.5 309.7 727.2	2040		74.	2	:	,	0.0	0.0	0,0	0.0	0.0	8.9	15.0	59.6	14.9		338.2	
Civil 176.9 182.4 Civil 176.9 182.4 Metal 150.6 19.2 Others 90.0 108.1 Total 417.5 309.7	Note: 1) Abbreviations:																	
R.C. L.C. Ton Civil 176.9 182.4 Metal 150.6 19.2 Others 90.0 108.1 Total 417.5 309.7	F.C.: Foreign currenc	ry portion									٠.		•					
Cavil F.C. L.C. Ton Gwen 150.6 182.4 Others 90.0 108.1 Total 417.5 309.7	L.C.: Local currency	portion							:						•			
176.9 182.4 150.6 19.2 90.0 108.1 417.5 309.7	2) Project construction	:tsoo u		Ü,	ij	Total												
150.0 19.2 90.0 108.1 417.5 309.7			÷	176.9		359.3								٠				
417.5 309.7			Meta	150.6	4.	169,8	1 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2									•		
41/5 309.7			Cuers	77.5		198.1					4.			٠.				
			TOOT	. T.	٠.	77/7/						٠.						

(Case 1-3)
of Project Loans
Repayability
Examination of]
Table 9.9

Carroll	Carroll Carr	Tariff rate=USc4.5/kWh:FC:LC=85%:15%: FC=	5/kWb:1	င္ဗိုင္ပ	85%:15		-2 % C-											1		
No. 10. No.	First December Total Control	'	Loans re(bevied			ital costs			hutstanding	Repayment	Interest	avment	Resources	F	,	Corporate	.	America (
15	1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1,				Total	į,	C.	Topi	M & O	boan principal	or principal	(8.5%)	(13%)	& VAT	NS CO	surplus	payment		surplus	Year
15.6 2.5	156 155 154 156 115 154 255	إي	6.29		270	32	2.7	6,		5,				0.0	7.9	0.0	0.0	0.0	0.0	2001
11.1 11.2	114.1 21.3 15.4		15.6	2.8	18.4	9	11.8	18.4	÷	26.3				0.0	18.4	0 0	0	00	000	2005 2005
1117 111 112 113 113 113 113 113 113 113 113	11.7. 20.2		37.6	9.0	45	17.4	26.8	3		20.5			:	0 0	4 8 G A	0 6	0 0	9 8	9 6	8 8
11.47 202 20	11.47 202 20.0		2	4	82.5	6.1	4.5	82.5		153.0	*			3 6	25	3 8	3 6	8 6	000	2002
1,000	1,000		114.7		134.9	27.0	923	2 6 6 5 6 6		\$ 5.				9 9	2003	8	3	8	8	800
3.6 6.2 7.7 3.6 7.7 3.6 7.7 3.6 7.7 3.6 6.2 7.7 3.6 6.2 7.7 <td>356 65 777 302 17.4 65.6 73.4 65.7 73.4 73.2 73.4 73.2 73.4 73.2 73.4 73.2 73.4 73.4 73.4</td> <td></td> <td>200</td> <td>S S</td> <td>189.2</td> <td>119.2</td> <td>9 6</td> <td>189.2</td> <td></td> <td>677.4</td> <td></td> <td></td> <td></td> <td>0.0</td> <td>189.2</td> <td>0.0</td> <td>0.0</td> <td>00</td> <td>00</td> <td>2007</td>	356 65 777 302 17.4 65.6 73.4 65.7 73.4 73.2 73.4 73.2 73.4 73.2 73.4 73.2 73.4 73.4 73.4		200	S S	189.2	119.2	9 6	189.2		677.4				0.0	189.2	0.0	0.0	00	00	2007
1,	1,	-	X XX	Š	7.07	28.2	17.4	45.6	35	23.0				4.1	52.2	27.4	6.9	20.6	20.6	300%
74,6 60 60,50,57 31,5 557 14,9 550 110 (42,5) 100 (42,5) 100 (42,5) 110 (42,5) 100 (42,5) 110 (42,5) 100 (42,5) 110 (42,5) 100 (42,5) 110 (42	Tade	3	3.6	9.0	52	36	90	4	5,4	27.27				8.2	17.8	\$4.5 \$4.5	13.6	604	61.5	80
7.46 6.0 6.64.2 31.5 450 11.5 5.0 100.0 72.3 11.5 7.46 6.0 6.01.2 31.5 45.5 8.5 100.0 72.3 10.0 10.0 10.0 1	7.46 6.0 6.64 3.15 450 173 8.2 1000 733 10.0 733 10.0 733 10.0 733 10.0 733 10.0 733 10.0 733 10.0 733 10.0 733 10.0 733 10.0 733 10.0 733 10.0 733 10.0 733 10.0 733 10.0 733 10.0 733 10.0 733 10.0 <th< td=""><td>74.5</td><td>}</td><td>: .</td><td>74.6</td><td></td><td>-</td><td></td><td>0.0</td><td>695.7</td><td>31.5</td><td>55.7</td><td>14.9</td><td>8,9</td><td>117.0</td><td>(42.5)</td><td>00</td><td>(42.5)</td><td>29.0</td><td>2010</td></th<>	74.5	}	: .	74.6		-		0.0	695.7	31.5	55.7	14.9	8,9	117.0	(42.5)	00	(42.5)	29.0	2010
Trig GO COST 31.5 47.5 50.9 100.7 (20.1) (45.5) (50.5) (50.1) (45.5) (50.5) <t< td=""><td>74,6 6 00 00 00 00 00 00 00 00 00 00 00 00</td><td>24.6</td><td></td><td></td><td>74.6</td><td></td><td></td><td></td><td>0.0</td><td>664.2</td><td>31.5</td><td>49.0</td><td>11.3</td><td>8.9</td><td>106.9</td><td>(32.3)</td><td>00</td><td>373</td><td>(13.3)</td><td>201</td></t<>	74,6 6 00 00 00 00 00 00 00 00 00 00 00 00	24.6			74.6				0.0	664.2	31.5	49.0	11.3	8.9	106.9	(32.3)	00	373	(13.3)	201
74,6 6,0 601.2 31.5 45.5 85.7 70.5 72.6 (72.0) 0.0 0.0 0.0 0.0 </td <td>This control of the c</td> <td>74.6</td> <td></td> <td></td> <td>74.6</td> <td>-</td> <td></td> <td></td> <td>0.0</td> <td>632.7</td> <td>31.5</td> <td>47.3</td> <td>86</td> <td>င် တ</td> <td>103.7</td> <td>FF 6</td> <td>00</td> <td>9</td> <td>(4.2)</td> <td>2012</td>	This control of the c	74.6			74.6	-			0.0	632.7	31.5	47.3	86	င် တ	103.7	FF 6	00	9	(4.2)	2012
74.6 6.0 586.6 31.5 42.0 57.1 8.0 74.4 (12.6) 0.0 (19.6) (17.6) 7.4 (12.6) 7.	Taria (1908) 113 424 57 11 11 11 11 11 11 11 11 11 11 11 11 11	74.6			74.6				0.0	601.2	31.5	45.5	8.	6. 6 6. 6	50.5	696	0 0	000	(1.66 (8) (8)	202
This control of the c	This control of the c	74.6			74.6				9	269.6	31.5	83.8	1.7	6.0	4.7.6	(87.8)	0.0	(8 tr.)		4102
74,6 6.0 6.0 75,11 31,5 45,5 4,5 5,9 71,0 (129) 0.0 (132.7) 74,6 6.0 47,11 31,5 35,5 14,5 5,9 71,0 (129) 0.0 (132.7) 74,6 6.0 44,11 31,5 35,5 14,5 5,9 71,0 (129.7) 74,6 6.0 57,11 31,5 35,5 14,5 5,0 3,5 5,7 14,6 15,0 (132.7) 74,6 6.0 370,2 20,6 20,0 3,9 8,9 6,7 1,4 1,9 5,6 (141.9) 74,6 6.0 370,2 20,6 20,0 20, 8,9 6,4 1,1 12,7 1,4 1,9 5,6 (141.9) 74,6 6.0 390,1 20,4 20,0 20,0 8,9 6,4 1,4 1,4 1,4 1,4 1,4 1,4 1,4 1,4 1,4 1	Take 6 60 8566 315 445 45 515 (153) 000 (153) 000 (153) 100 (154)	74.6	.:		74.6				9	538.1	31.5	07	5,7	o. ∘	Z :	6.61	0.6	(18.6) (18.6)	(2009)	200
74,6 6.0 44,6 11,5 34,5 12, 8,5 14,7 (10,1) 0.0 (10,1) (10,0) 74,6 6.0 44,6 11,5 11,5 15,5 10,0 8,9 (13,1) 0.0 (10,1) (10,0) 74,6 6.0 91,11 11,5 15,5 10,0 8,9 (13,1) 0.0 (10,1) (10,0) 74,6 6.0 91,11 11,5 11,5 15,0 0.0 8,9 (13,1) 7,7 1,9 (13,1) 0.0 (10,1) 74,6 6.0 91,2 10,0 10,0 10,0 10,0 10,0 10,0 10,0 1	74.6 6.0 447.1 31.5 38.5 23.8 5.0 (10.21) (10.00) (10.1) (10.00) (10.1) (10.00) (10.1) (10.00) (10.1) (10.00) (10.1) (10.00) (10.1) (10.00) (10.1) (10.00) (10.1) (10.00) (10.1) (10.10) (10.1) (10.10) (10.1) (10.10) (10.1) (10.10) (10.1) (10.10) (10.1) (10.10) (10.1) (10.10) (10.1) (10.10) (10.1) (10.10) (10.1) (10.10) (10.1) (10.10) (10.1) (10.10) (10.1) (10.10) (10.1) (10.10) (1	74.6			74.6				0.0	506.6	31.5	0 0	4	O, 6	0,4	(10.5)	9 6	(101)	(4·/art)	0707
74,6 6.0 4,121, 21,4 5,4 6.0 4,4 6.0 1	74,6 6.0 4.121 31.5 35.8 1.4 8.9 84.7 (70.1) 0.00 (70.1) (150.5) 74,6 6.0 9915 20.6 31.3 0.0 8.9 68.9 57.7 (70.1) 0.00 (70.1) (150.5) 74,6 6.0 9915 20.6 31.3 0.0 8.9 68.9 57.7 1.4 1.9 56 (147.5) 74,6 6.0 9701 20.6 31.3 0.0 8.9 66.4 9.2 1.7 1.4 1.9 56 (147.5) 74,6 6.0 9701 20.6 23.0 0.0 8.9 66.4 9.2 1.7 1.9 56 (147.5) 74,6 6.0 9701 20.6 23.0 0.0 8.9 66.4 9.2 1.7 1.9 56 (147.5) 74,6 6.0 9701 20.6 2.0 8.9 60.1 1.4 2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1	74.6			74.6				0.0	475.1	31.5	38.5	23	90	87.9	(13.3)	000	(13.3)	6.6	2017
746 6 6 6 7421 315 350 00 839 855 770 00 10 10 10 10 10 10 10 10 10 10 10 10	746 6 0 201 1 21 2 35 0 0 0 59 659 670 0 0 1 10 10 10 10 10 10 10 10 10 10 10	74.6			74.6	. •	. :		6.0	443.6	31.5	88	4	0.0	2	(10.1)	0	(191)	(150.8)	2018
74,6 6,0 91,3 70,6 91,3 70,0 8,9 65,7 71,4 4,2 (1375) 74,6 6,0 350,2 20,6 20,8 0,0 8,9 67,1 71,4 1,9 5,6 (1475) 74,6 6,0 350,1 20,6 23,9 0,0 8,9 67,1 1,4 1,9 5,6 (1475) 74,6 6,0 350,1 20,6 23,9 0,0 8,9 67,1 1,4 1,2 1,2 1,4 1,4 1,4 1,4 1,4 1,4 1,4 1,4 1,4 1,4	746 6 10 301.3 206 303.3 0.0 8.9 65.9 57.7 14 4.2 (235.8) 746 6 0 370.2 20.6 20.9 0.0 8.9 67.1 14 1.0 56. (147.0) 746 6 0 220.7 20.6 22.9 0.0 8.9 67.1 17.7 1.2 1.3 6.9 (147.0) 746 6 0 220.7 20.6 22.9 0.0 8.9 65.4 1.2 1.2 5.6 (147.0) 746 6 0 220.7 20.6 21.3 0.0 8.9 61.9 12.7 2.2 (147.0) 746 6 0 220.7 20.6 21.3 0.0 8.9 61.9 12.7 2.2 (147.0) 746 6 0 220.7 20.6 21.0 0.0 8.9 64.0 12.7 2.2 (147.0) 746 6 0 220.7 20.6 21.0 0.0 8.9 64.0 12.7 6.2 (147.0) 746 6 0 220.7 20.6 20.7 20.6 20.7 20.6 20.7 20.7 20.0 (148.3) 746 6 0 220.7 20.6 20.7 20.6 20.7 20.0 8.9 64.0 12.7 6.7 (147.0) 746 6 0 220.7 20.6 20.7 20.6 20.7 20.0 8.9 64.0 20.7 6.7 20.0 (148.3) 746 6 0 220.7 20.6 20.7 20.6 20.7 20.0 8.9 64.0 20.7 6.7 20.0 (148.3) 746 6 0 20.7 20.6 20.7 20.0 8.9 64.0 20.0 (148.3) (120.0) 746 6 0 20.7 20.0 20.0 8.9 64.0 20.7 20.7 20.0 (148.3) 746 6 0 20.7 20.0 20.0 8.9 64.0 20.7 20.7 (148.3) 746 6 0 20.7 20.7 20.7 20.7 20.7 20.7 (148.3) 746 6 0 20.7 20.7 20.7 20.7 20.7 20.7 (148.3) 747 747 748 749 749 749 749 749 749 749 749 749 749	74.6			74.6	, .			6.0	412.1	31.5	35.0	0	8,9	81.5	9	00	6.5	(157.8)	2010
74,4 6,0 970,2 20.6 31.5 0.0 8.9 67.1 7.4 1.9 30.6 (44.7) 7.4 1.9 30.6 1.1 7.4 1.9 30.7 1.0 8.9 67.1 7.4 1.9 2.7 30.6 (44.7) 7.4 1.9 2.7 8.2 (14.7) 7.4 1.0 2.9 6.0 20.7 2.0 8.9 6.0 1.0 2.9 6.0 1.0 8.9 6.0 1.0 2.9 6.0 1.0 8.9 6.0 1.0 2.9 6.0 1.0 8.9 6.0 1.0 8.9 6.0 1.0 8.9 6.0 1.0 8.9 6.0 1.0 8.9 6.0 1.0 8.9 6.0 1.0 8.9 6.0 1.0 8.9 6.0 1.0 8.9 6.0 1.0 8.9 6.0 1.0 8.9 6.0 1.0 8.9 6.0 1.0 8.9 6.0 1.0 8.9 <td>74,4 60 370,3 20.6 31.5 60 67,1 7,4 13.7 7,4 13.7 7,4 13.7<</td> <td>74.6</td> <td>1.</td> <td></td> <td>74.6</td> <td></td> <td></td> <td>٠.</td> <td>0.0</td> <td>391.5</td> <td>20.6</td> <td>33.3</td> <td>0</td> <td>0.00</td> <td>0,30</td> <td>5.7</td> <td>4 6</td> <td>3</td> <td>(153.5)</td> <td>2020</td>	74,4 60 370,3 20.6 31.5 60 67,1 7,4 13.7 7,4 13.7 7,4 13.7<	74.6	1.		74.6			٠.	0.0	391.5	20.6	33.3	0	0.00	0,30	5.7	4 6	3	(153.5)	2020
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746 66 7 2472 205 210 00 8.9 566 180 45 135 (868) 746 6.0 2265 205 195 00 8.9 566 180 45 135 (868) 746 6.0 2265 205 175 0.0 8.9 549 197 4.9 14.8 (72.0) 746 6.0 1854 206 15.9 0.0 8.9 2229 (148.3) 0.0 (148.3) (22.04) 746 6.0 1854 206 15.9 0.0 8.9 51.4 20.0 (148.3) (22.04) 746 6.0 1854 206 15.9 0.0 8.9 49.6 25.0 6.2 187 (154.3) 746 6.0 1256 205 105 105 8.9 40.1 205 105 (142.3) 746 6.0 1256 205 105 105 8.9 40.1 205 105 (142.3) 746 6.0 1256 205 105 105 8.9 40.1 205 105 (142.3) 746 6.0 105 205 105 105 8.9 40.1 205 105 (142.3) 746 6.0 105 205 105 105 105 105 105 105 105 105 105 1	74,6 6.0 247.2 20.6 21.0 0.0 8.9 56.6 18.0 4.5 13.5 (86.8) 74,6 6.0 226.6 20.6 10.3 0.0 8.9 54.9 19.7 4.9 14.8 (72.0) 74,6 6.0 206.0 206.0 18.9 0.0 8.9 24.9 19.7 4.9 14.8 (72.0) 74,6 6.0 185,4 20.6 11.3 0.0 8.9 21.9 (148.3) 0.0 (148.3) 74,6 6.0 124.2 20.6 11.3 0.0 8.9 47.9 26.7 6.7 20.0 74,6 6.0 124.2 20.6 11.3 0.0 8.9 47.9 26.7 6.7 20.0 74,6 6.0 124.2 20.6 11.3 0.0 8.9 42.6 12.0 3.0 24.0 (156.2) 74,6 6.0 0.1 20.6 20.0 8.9 42.6 12.0 8.0 24.0 (156.2) 74,6 6.0 0.0 0.0 0.0 8.9 42.0 12.0 8.0 24.0 (156.2) 74,6 6.0 0.0 0.0 0.0 8.9 37.3 37.2 9.3 7.6 12.0 7.0 74,6 6.0 0.0 0.0 0.0 8.9 37.3 37.2 9.3 7.6 12.0 7.0 74,6 6.0 0.0 0.0 0.0 8.9 37.3 37.2 9.3 7.6 12.0 7.0 74,6 6.0 0.0 0.0 0.0 8.9 37.3 37.2 9.3 7.6 12.0 7.0 74,6 6.0 0.0 0.0 0.0 8.9 37.3 37.2 9.3 7.6 12.0 7.0 74,6 6.0 0.0 0.0 0.0 8.9 37.3 37.2 9.3 7.6 12.0 7.0 74,6 6.0 0.0 0.0 0.0 8.9 37.3 37.2 9.3 7.6 12.0 7.0 74,6 6.0 0.0 0.0 0.0 0.0 8.9 37.3 37.2 9.3 7.6 12.0 7.0 74,6 6.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 8.9 37.3 37.2 9.3 7.6 12.0 7.0 74,6 7,7 7,7 7.2 9.3 7.7 9	4,0	-		9 1				9 G	0.476	200	× CC	e e	8	5×4	16.2	4	12.2	(100.5)	2026
74,6	746 746 746 746 746 169.8 60 2266 206 175 0.0 8.9 549 197 4.9 1443 (720.4) 746 746 746 746 746 746 746 746 746 746	9			0 4				3 Y	6,102	3 6	3 5	200	0	99	180	4.5	13.5	(8,68)	2027
746 169.8 6.0 266.0 206.1 17.5 0.0 8.9 222.9 (148.3) 0.0 (148.3) (220.4) 746 6.0 1854 20.6 15.8 0.0 8.9 51.4 22.2 5.8 17.4 (205.0) 746 6.0 184.8 20.6 14.0 0.0 8.9 47.9 26.7 6.7 20.0 (148.3) 746 6.0 12.3 20.6 10.3 0.0 8.9 47.9 26.7 6.7 20.0 (148.3) 746 6.0 12.3 20.6 10.3 0.0 8.9 47.9 26.7 6.7 20.0 (148.3) 746 6.0 12.3 20.6 10.3 0.0 8.9 44.4 20.2 7.6 22.7 (120.2) 746 6.0 12.3 20.6 10.3 0.0 8.9 44.6 20.2 7.6 22.7 (120.2) 746 6.0 12.3 20.6 11.8 20.6 8.9 29.1 25.5 8.9 24.6 12.2 7.6	7.46 169.8 6.0 206.0 206 17.5 0.0 8.9 222.9 (148.3) 0.0 (148.3) (220.4) 7.46 6.0 185.4 20.6 15.8 0.0 8.9 51.4 23.2 5.8 17.4 (203.0) 7.46 6.0 185.4 20.6 14.0 0.0 8.9 51.4 23.2 5.8 17.4 (203.0) 7.46 6.0 144.2 20.6 10.5 0.0 8.9 47.9 26.7 6.7 20.0 (144.2) 7.46 6.0 123.6 20.6 10.5 0.0 8.9 44.4 30.2 7.1 21.3 (142.2) 7.46 6.0 123.6 20.6 5.3 0.0 8.9 44.4 30.2 7.6 22.7 (130.2) 7.46 6.0 20.6 5.3 0.0 8.9 44.4 30.2 7.6 22.7 (130.2) 7.46 6.0 20.6 2.3 0.0 8.9 39.1 35.5 8.9 25.6 (44.4) 7.46 6.0 0.0 20.6 0.0 0.0 8.9 37.3 37.2 8.4 22.3 (71.0) 7.46 6.0 0.0 20.6 0.0 8.9 37.3 37.2 8.4 22.3 (71.0) 7.46 6.0 0.0 20.6 0.0 8.9 37.3 37.2 8.4 22.3 (71.0) 7.46 6.0 0.0 20.6 0.0 8.9 37.3 37.2 8.4 22.3 (71.0) 7.46 6.0 0.0 20.6 0.0 8.9 37.3 37.2 8.4 22.3 (71.0) 7.47 7.48 6.0 0.0 20.6 0.0 8.9 37.3 37.2 8.4 22.3 (71.0) 7.48 7.49 7.40 8.0 0.0 0.0 0.0 0.0 8.9 37.3 37.2 8.4 22.3 (71.0) 7.49 7.40 7.40 7.40 7.40 7.40 7.40 7.40 7.40	0 1			0,4			•	3 6	2 2 2 2	900	0	0.0	8	2.0	19.7	\$	14.8	9	2028
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74,6 (6.0 164.8 20.6 14.0 0.0 8.9 49.6 25.0 6.2 18.7 (184.3) 74,6 (6.0 144.2 20.6 12.3 0.0 8.9 47.9 26.7 50.0 (164.2) 74,6 (6.0 123.6 20.6 10.5 0.0 8.9 47.9 26.7 50.0 (164.2) 74,6 (7.0 103.0 20.6 8.9 46.1 23.5 7.1 22.1 (120.2) 74,6 (7.0 103.0 20.6 8.9 42.6 32.0 8.0 24.0 (96.2) 74,6 (7.0 10.3 20.6 1.8 0.0 8.9 37.3 37.2 37.2 (120.2) 74,6 (7.0 10.3 20.6 1.8 0.0 8.9 37.3 37.2 8.9 26.6 (44.4) 74,6 (7.0 10.3 20.6 1.8 0.0 8.9 37.3 37.2 9.3 27.9 (16.4) 74,6 (7.0 10.3 20.6 1.8 0.0 8.9 37.3 37.2 9.3 27.9 (16.4) 74,6 (7.0 10.3 192.1 193.1 193.1 193.1 193.1 193.1 193.1	Table 1				2 7			0	3 6	185.4	20.0	15.8	9	8	\$1.4	23.2	89	17.4	(203.0)	2030
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74,6 6.0 123.6 20.6 10.5 0.0 8.9 46.1 23.5 7.1 21.3 (142.9) 74,6 6.0 103.0 20.6 8.8 0.0 8.9 44.4 30.2 7.6 22.7 (120.2) 74,6 6.0 103.0 20.6 5.3 0.0 8.9 44.4 30.2 7.6 22.7 (120.2) 74,6 6.0 61.3 20.6 5.3 0.0 8.9 30.7 8.4 25.3 (71.0) 74,6 6.0 41.2 20.6 3.5 0.0 8.9 30.7 8.4 25.3 (71.0) 74,6 6.0 20.6 20.6 11.8 0.0 8.9 37.3 37.2 9.3 27.9 (16.4) 74,6 6.0 0.0 0.0 0.0 8.9 37.3 37.2 9.3 27.9 (16.4) 74,6 6.0 0.0 0.0 0.0 8.9 35.6 39.0 14.9 4.7 57.5 74,6 74,6 6.0 0.0 0.0 0.0 8.9 15.0 59.6 14.9 4.7 57.5 74,6 74,6 74,6 75,9 182.4 359.3 14,7 57.5 182.4 359.3 Others 90.0 108.1 198.1	74,6 74,6 74,6 74,6 74,6 74,6 74,6 74,6	, 4 , 4			74.6		*		9	44.	20.6	12.3	0.0	8	47.9	26.7	6.7	20.0	(164.2)	2032
746 60 103.0 20.6 8.8 0.0 8.9 44.4 30.2 7.6 22.7 (120.2) 746 6.0 82.4 20.6 7.0 0.0 8.9 42.6 32.0 8.0 24.0 (%5.2) 746 6.0 82.4 20.6 5.3 0.0 8.9 40.8 33.7 8.4 25.3 (71.0) 746 6.0 20.6 20.6 1.8 0.0 8.9 37.3 37.2 9.3 27.9 (71.0) 746 6.0 20.6 20.6 0.0 8.9 37.3 37.2 9.3 27.9 (15.4) 746 6.0 0.0 0.0 0.0 8.9 37.3 37.2 9.3 27.9 (15.4) 746 6.0 0.0 0.0 0.0 8.9 37.3 37.2 9.3 27.9 (15.4) 746 746 6.0 0.0 0.0 0.0 8.9 37.3 37.2 9.3 27.9 (15.4) 747 6.0 0.0 0.0 0.0 0.0 8.9 37.3 37.2 9.3 27.9 (15.4) 748 7.4 7.4 7.4 7.4 7.4 7.4 7.4 7	746 6.0 103.0 20.6 8.8 0.0 8.9 44.4 30.2 7.6 22.7 (120.2) 746 6.0 82.4 20.6 7.0 0.0 8.9 42.6 32.0 8.0 24.0 (%2.) 746 6.0 82.4 20.6 5.3 0.0 8.9 43.8 33.7 8.4 25.3 (71.0) 746 6.0 20.6 1.8 0.0 8.9 37.3 37.2 9.3 26.6 (44.4) 746 6.0 0.0 20.6 0.0 0.0 8.9 37.3 37.2 9.3 27.9 (16.4) 746 6.0 0.0 0.0 0.0 0.0 8.9 37.3 37.2 9.3 27.9 (16.4) 746 6.0 0.0 0.0 0.0 0.0 8.9 35.6 39.0 9.7 22.2 12.8 746 746 746 747 859.3 remay portion responding F.C. L.C. Total union cost: Civil 176.9 182.4 359.3 Meral 150.6 19.2 169.8 Others 90.0 108.1 198.1 Total 727 777 772	74.6			74.6				6.0	123.6	20.6	10.5	0.0	6.8	46.1	28.5	7.1	21.3	(142.9)	2033
746 60 824 20.6 7.0 0.0 8.9 42.6 32.0 8.0 24.0 (90.2) 746 6.0 61.8 20.6 5.3 0.0 8.9 39.1 35.3 8.4 25.3 (71.0) 746 6.0 41.2 20.6 5.5 0.0 8.9 39.1 35.5 8.9 26.6 (44.4) 746 6.0 20.6 0.0 0.0 0.0 8.9 37.3 37.2 9.3 27.6 (44.4) 746 6.0 0.0 0.0 0.0 0.0 8.9 35.6 39.0 9.7 22.2 12.8 746 6.0 0.0 0.0 0.0 0.0 8.9 35.6 39.0 9.7 22.2 12.8 747 6.0 0.0 0.0 0.0 0.0 0.0 8.9 35.6 39.0 9.7 22.2 12.8 748 6.0 0.0 0.0 0.0 0.0 8.9 15.0 59.6 14.9 44.7 57.5 775 6.0 0.0 0.0 0.0 8.9 15.0 59.6 14.9 44.7 57.5 775 6.0 0.0 0.0 0.0 0.0 8.9 15.0 59.6 14.9 44.7 57.5 775 6.0 0.0 0.0 0.0 0.0 0.0 8.9 15.0 59.6 14.9 44.7 57.5 775 6.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	746 746 60 824 206 70 00 89 426 320 80 240 (952) 746 60 6118 206 513 00 89 426 320 80 240 (952) 746 60 6118 206 513 00 89 391 355 89 266 (444) 746 60 206 108 89 373 372 813 266 (444) 746 60 00 206 00 89 356 390 97 202 1128 746 746 60 00 206 00 89 356 390 97 202 1128 746 746 746 746 746 747 746 746 747 746 747 746 747 746 747 747	74.6			74.6				6.0	103.0	20.6	80	8	6.8	4	30.2	2,6	13	(120,2)	8
74.6 6.0 61.3 20.6 5.3 0.0 8.9 40.8 33.7 8.4 22.3 (71.0) 74.6 6.0 41.2 20.6 18.9 0.0 8.9 39.1 35.5 8.9 26.6 (44.4) 74.6 6.0 20.6 18.0 0.0 8.9 35.6 39.0 9.7 20.2 12.8 74.6 6.0 0.0 0.0 0.0 8.9 35.6 39.0 9.7 29.2 12.8 reacy portion nety portion nety portion nety portion nety portion Meral 176.9 182.4 359.3 Meral 150.6 19.2 169.8 Others 90.0 108.1 198.1	74,6 6.0 61.3 20.6 5.3 0.0 8.9 40.8 33.7 8.4 25.3 (71.0) 74,6 6.0 41.2 20.6 3.5 0.0 8.9 37.3 37.2 9.3 27.6 (44.4) 74,6 6.0 20.6 0.0 0.0 8.9 35.6 39.0 9.7 29.2 12.8 74,6 6.0 0.0 0.0 0.0 0.0 8.9 35.6 39.0 9.7 29.2 12.8 74,6 6.0 0.0 0.0 0.0 0.0 8.9 35.6 39.0 9.7 29.2 12.8 74,6 74,6 6.0 0.0 0.0 0.0 0.0 8.9 35.6 39.0 9.7 29.2 12.8 74,6 74,6 74,6 74,7 29.2 12.8 74,6 74,6 74,7 29.2 12.8 74,6 74,6 74,7 29.2 12.8 74,6 74,6 74,7 29.2 12.8 74,6 74,6 74,7 29.2 12.8 74,6 74,6 74,7 29.2 12.8 74,6 74,6 74,7 29.2 12.8 74,6 74,6 74,7 29.2 12.8 74,6 74,6 74,7 29.2 12.8 74,6 74,6 74,7 29.2 12.8 74,6 74,6 74,7 29.2 12.8 74,6 74,6 74,7 29.2 12.8 74,6 74,7 29.2 12.8 74,6 74,6 74,7 29.2 12.8 74,6 74,6 74,7 29.2 12.8 74,6 74,6 74,7 29.2 12.8 74,6 74,6 74,7 29.2 12.8 74,6 74,6 74,7 29.2 12.8 74,6 74,6 74,7 29.2 12.8 74,6 74,6 74,7 29.2 12.8 74,6 74,6 74,7 29.2 12.8 74,6 74,6 74,7 29.2 12.8 74,6 74,6 74,7 29.2 12.8 74,6 74,6 74,7 29.2 12.8 74,6 74,6 74,7 29.2 12.8 74,6 74,6 74,7 29.2 12.8 74,6 74,6 74,7 29.2 12.8 74,6 74,6 74,7 29.2 12.8 74,6 74,6 74,7 29.2 12.8 74,6 74,6 74,7 29.2 12.8 74,6 74,6 74,7 29.2 12.8 74,6 74,6 74,7 29.2 12.8 74,7 74,7 29.2 12.8 74,7 74,7 29.2 12.8 74,7 74,7 29.2 12.8 74,7 74,7 29.2 12.8 74,7 74,7 29.2 12.8 74,7 74,7 29.2 12.8 74,7 74,7 29.2 12.8 74,7 74,7 74,7 29.2 12.8 74,7 74,7 74,7 74,7 74,7 74,7 74,7 74,7	74.6			74.6				9	47.8	20.6	7.0	္တ	o. ∞	27	320	0 9	27.0	(i) (i)	2035
74,6 74,6 60 41.2 20.6 3.5 0.0 8.9 39.1 35.5 8.9 26.5 (44.4) 74,6 60 20,6 20,6 1.8 0.0 8.9 37.3 37.2 9.3 27.9 (16.4) 74,6 60 0.0 0.0 0.0 0.0 8.9 37.3 37.2 9.3 27.9 (16.4) 74,6 60 0.0 0.0 0.0 8.9 15.0 39.0 9.7 27.9 (16.4) 8.9 15.0 59.6 14.9 44.7 57.5 8.9 182,4 359.3 8.9	746 746 60 41.2 20.6 3.5 0.0 8.9 39.1 35.5 8.9 20.6 (44.4) 746 60 20.6 1.8 0.0 8.9 39.1 35.5 8.9 20.6 (44.4) 746 60 0.0 0.0 0.0 8.9 37.3 37.2 37.9 (16.4) 8.9 35.6 39.0 9.7 20.2 12.8 60 0.0 0.0 0.0 8.9 15.0 59.6 14.9 44.7 57.5 1746 1746 1746 1746 1746 1746 1746 1746	24.6			74.6			-	0,0	61,8	20.6	ς, (γ.	00	0	80.8	33.7	4 8		(71.0)	8
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74,6 59,0 50,0 50,0 50,0 50,0 50,0 50,0 50,0	746 59.0 50.0 50.0 50.0 50.0 50.0 50.0 50.0	74.6		3.	74.6				0.0	20.6	20.6	1.8	ွ	0.80	37.3	37.2	6 i	27.9	(10.4)	2038
reacy portion ney portion ney portion ney portion ney free portion ney free portion ney po	74,6 59.6 14.9 44.7 57.5 ready portion crap portion crap portion cost: Cavil 176.9 182.4 559.3 cost 16.0 16.0 cost: Cavil 176.9 182.4 559.3 cost 16.0 cost: Cavil 150.6 19.2 169.8 cost 16.0 cost 16	74.6			74.6	37 5			0.0	9	20.6	0	0.0	8.9	35.0	39.0	7.6	23.5	12.8	203
reacy portion ney portion ney portion ney portion to the Tot Tot Tot Tot Tot Tot Tot Tot Tot Tot	reacy portion ney portion ney portion tation cost: Cavil 176.9 182.4 Metal 150.6 19.2 Others 90.0 108.1 Total 417.5 309.7	74.6			74.6				6.0	င္ပ	00	S	8	8.9	15.0	29.6	143	\$	57.5	8
reacy portion ney portion ney portion ney portion tenton cost: Cavil 150,6 182,4 Metal 150,6 108,1 Others	rency portion ncy portion ncy portion ncy portion ncy portion ncy portion (Gvil 176.9 182.4 Metal 150.6 19.2 Others 90.0 108.1 Total 10th 417.5 309.7	ations																		
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F.C. L.C. Tot Civil 176.9 182.4 Metal 150.6 19.2 Others 90.0 108.1	F.C. L.C. Tot Civil 176,9 182,4 Metal 150,6 192,0 Others 90,0 108,1 Total 417,5 309,7	Curren	acy portion				ů.			A 										-
Civil 176.9 182.4 Metal 150.6 19.2 Others 90.0 108.1	Civil 176.9 182.4 Metal 150.6 19.2 Others 90.0 108.1 Total 417.5 309.7	CONSTRUC	ction cost;		S	ñ		Jetoj		٠.٠				đ - 12	,					
150.6 19.2 90.0 108.1	150.6 19.2 90.0 108.1 417.5 309.7				Qvil	176.9	182.4	359.3	- :											
90.0 108.1	90.0 108.1 417.5 309.7				Metal	150.6	19.2	169.8									-:		:	
	417.5 309.7				Others	80	108.1	198.1	3 · · · · · · · · · · · · · · · · · · ·							· .		.*		

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No. Year	2	Loans	ceived	•		Power Loans received Capital costs			Outstandi	Outstanding Repayment	<u> </u>	8	Resources			Corporate	200		
Š	Sales	Foreign	Domestic	Total				0	ueoj .		Foreign	Domestic	X X	Total	Current	X	- Puer	Cumulative	>
	revenue	(10%)	(g)	SOUPCES	Ä,	i i	- 1	SISO	principal	i principa	(2.5%)	1000.51	2 4	C C C	2		ľ	1	
1 2001		5.5	4 4	7,9	27	2.7			۲,	•			2	3					
2 2002		12.9	5.5	18.4	9.0	11.8			'n		٠.	•	0.0	18.4					
3 2003		30.0	13.3	44.2	17.4	26.8			9	v		. :	000	4					
4 2004		87.8	24.8	82.5	40.1	42.4			153	c			00	82.5					
3000		4 40	8	140	70 K	623			287	•			00	134.9					
3000		100	9	2002	1746	X .	2003		488				0'0	200,3		1			2006
			3 3	1807	1103				12.				0.0	189.2					
307		100	2 5	1007	100	l	l	30	· dula	-			. 4	665					
800	\$	31.9	1.01	3	3	,		1											
2002	3	20	133	73	3,0	0.6		À	/2/				70	0,1					
10 2010	74.6	1		74.6		1		હ	88				0 80	101.4				٠	
11 2011	74.6		·	74.6); 9	049		•		8.9	93.1					
2010	74.6			74.6			./	9.0	610.	2		À	6,8	89.7					
1000	44			74.6			٠.)'9	57.5	38.8			8,0	86.2					
77.77	Ì								622				8	× CX					
14 2014	•			0 1		•		ŠŸ					0	70.4					
15 2015	74.0		:	0,4				ó					5	14.					
16 2016	74.6			74.6				હ					O.	75.9					
17 2017	74.6			74.6				30				5.7	8,9	27.					
18 2018	74.6			74.6				Š				2.8	0.8	69.1					
10 2010	746		-	74.6				8					6.8	65.7					
0000	747			74.6				Š					8	43.2					
.1000	7.4.F			747				0.9			10.7		ò	42.6			-		
20 202	747			74.6				8	ċ	ŀ			8	42.1					
2000	74.5			74.6				8					8,9	41.5					
100	2 7			74.6				võ					0.8	40.9					٠.
1707 17				2 4				e c					· ×	4.04					
2707	2					.*		5 ¥	-			200	, C	202					
207.07	0			2				5 ¥		7 7		3 6	5		, v		7 7 7	1877	
27 2027	6,4			0.4				0				3						-	
28 2028	74.6	30		74.6							6.5	00	0,0	9					
29 2029	74.6	:		74.6			169.8			·	5.5	9	80	207.7	_	_			
30 2030	74.6			74.6				00			5.3	8	8.9	37.3					
31 2031	74.6			74.6				v		ĺ	4.8	0.0	8,9	36.7					
32 2032	74.6			74.6				vo			2,4	0.0	0.8	36.1	•				
33 2033	74.6			74.6				0.0			3.6	00	,	35.5					
34 2034	74.6	-		74.6				vo			3.0	0.0	0,80	34.0					
35 2035	74.5			74.6	-			9			24	0.0		8					
36 2036	74.6			74.6	-	•		vo			3.5	0.0		33.7					
47 2037	74.6			74.6				φ			11	0.0		33.1					
38 2038	7			74.6			:	võ	0 17		0.0	0.0		32.6					
000	7 76			747				v	c		0	00	0 %	32.0					
				fi			1.						0	,		٠			
40 ±040 04.0	0																		

F.C.: Foreign currency portion L.C.: Local currency portion 2) Project construction cost:

Civil Metal Others Total

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Loans (Case	
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Table 9.9	ì
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	Power	Loans received	ı		S	pital costs			Outstanding Repaymen	Repayment	Interest	Interest payment	Resources			Corporate	Surplus		
	sales	_	. <u>u</u>	Total				0 & M	loan	b o	Foreign	Domestic	ă	Total	Current	ă	after	Cumulative	. :
1	revenue	88	1	Sources	ς.	J L	Total	SDS(E	principal	principal	(5.0%)	(13.0%)	& VAT	ğ	Salera		tax	Sulcing	ğ
3001		5.5	4	7.9	5.2	2.7	5		7.9				0.0	2.5	0.6	0.0	0 6	0.0	S S
2002		12.9	5.5	18.4	9.0	11.8	18.4		26.3	7			0.0	4 6	0.5		0 0	9 6	S S
3 2003		30.5	13.3	4.	17.4	26.8	4 G		70.5			١.	0.0	4	0.0	: .	00	0.0	Š,
4 2004 4	٠.	57.8	24.8	82.5	40.1	47.4	82.5		153.0				0.0	82.5	0:0	,	0	ဒ	ຊ
2002		44	50.5	134.9	71.6	62.3	134.9		287.9				00	134.9	0.0		င္ပ	3	Š.
9002 9		140,2	8.1	2003	124.6	75.7	2003		488.2				0	200.3	00		0	8	ឥ
7 2007		132,4	\$6.8	189.2	119.2	0,07	189.2		677.4				0.0	189.2	0.0		0.0	8	ន្ត
8 2008	34.1	31.9	13.7	79.7	28.2	17.4	45.6	2.5	723.0				4.1	52.2	27.4		20.6	20.6	ន្ត
5002	68.1	2,9	2	Ç.	3.6	9.0	4,	5.4	727.2				8.2	17.8	545	•	40,0	61.5	ន្ត
0 2010	74.6			74.6				80	688.4	38,8	25.9	39.8	6,8	109.5	(34.9)		8	26.6	8
11 2011	74.6			74.6			:	0.0	9.649	38.8	33.8	7.72	8,9	100.2	5.3		55.7	93	ន
12 2012	74.6		-	74.6				0.9	610.8	38.8	ä	19.9	8.0	565	6550		8	(31.1)	8
2013	777			746		·		0.0		38.8	:	17.0	o.	8	585		(18.3)	(303)	20
2000	2 7			7 7				9 5	6333	8 8 6	2.5	14.2	, o	80.2	(45)		(940)	65/	8
#107 #1	2		•	2				3	9.404	3		•	3	1 4 7	000		66	200	į
CION CI	0		- 1	0.5				3 9	7	000	23) (3	(A)		<u> </u>	3 6	3 8
16 2016	74.0			0.4				0	455.	20.0	7	3	À	0,10	. F		(4.4)	(47)	3 :
17 2017	74.6		. :	74.0				0	416.9	38.8	18.7	5.7	o. ⊗	78.1	ઉ	. •	6	(75.6)	8
18 2018	74,6			74.0				0.9	378.1	38.8	17.8	2.8	8,9	74.4	13		70	(75.5)	8
2019	74.6			74.6				9	339.4	38.8	17.0	0.0	6,8	70.7	3.8		2.9	64	8
20 2020	74,6			74.6				9	322,4	17.0	16.1	0.0	8,9	48.1	26.5		19.9	(52.8)	ä
21 2021	74.6		-	74.6			•	9	305.4	17.0	15.3	0.0	8,9	47.2	27.3		20.5	(32.3)	8
22 2022	74.6			74.6				6.0	288,5	17.0	14.4	0.0	8.9	46.4	28.2		21.1	(11.2	ຊ
23 2023	74.6			74.6				0.9	271.5	17.0	13.6	00	8	45.5	29.0		21.8	10.6	8
24 2024	74.6		٠.	74.6		10.0	٠.	0.0	254.5	17.0	12.7	0.0	68	44.7	29.9		8	33.0	S
25 2025	74.6		٠.	74.6				0.0	237.6	17.0	11.9	0.0	8,9	43.8	30.7		800	86.1	ຂ
26 2026	74.6			74.6		•		0.0	220.6	17.0	11.0	00	8,0	43.0	31.6		33.7	8.67	Š
77 2027	74.6			74.6				0.0	203.6	17.0	10.2	00	8,9	42.1	32.4		24.3	104.1	ล
28 2028	74.6			74.6				6.0	186.6	17.0	9.3	0.0	8.9	41.3	33.3	1	0.52	129.0	8
	74.6			74.6			169.8	9	169.7	17.0	8.5	0.0	8.9	210.2	(135.7)		(135.7)	99)	8
90.02	74.6			74.6				9	152.7	17.0	7.6	00	0.8	39.6	35.0		262	19.6	
	746			74.6				0.9	135.7	17.0	6.8	00	8,9	38.7	35.8		26.9	2.65	8
32 2032	74.6			74.6				0.0	118.8	17.0	5.9	0.0	6.8	37.9	36.7	9.2	27.5	6.4	ř
33 2033	74.6			74.6			٠.	9	101.8	17.0	5.1	0.0	8.9	37.0	37.5		33.1	102.1	×
34 2034	74.6		: : :=	74.6			: -	0.0	84.8	17.0	4	0.0	8.9	36.2	38.4	9'6	28.8	130.9	×
35 2035	74.6	. Y		74.6				0.0	62.5	17.0	3.4	0.0	6,8	35.4	39.2	8,6	29.4	1603	ន
36 2036	74.6			74.6				0.0	50.5	17.0	25	00	6.8	24.5	40.1	10.0	900	1903	×
	74.6			74.6				0.0	33.9	17.0	1.7	0.0	8,9	33.7	0.04	10.2	38.4	221.0	ន
	74.6			74.6				0.0	17.0	17.0	0.8	0.0	6.8	32.8	41.8	10.4	31.3	252.3	ห
	74.6			74.6				9	0.0	17,0	0.0	0.0	8.9	32.0	42.6	10.7	32.0	2843	8
	74.6			74.6		::		9	00	0.0	00	0.0	8,9	15.0	59.6	14.9	7.7	329.0	ĸ
Note: 1) Abbre	1) Abbreviations:																		
F.C.: Fo	reign curr	F.C.: Foreign currency portion	e										• .						
3 ::	cal curren	L.C.: Local currency portion					·. ·. ·							. ,			٠.		
2) 70	2) Project construction cost:	nion cost:			F.C.	ڻ ن	Total		· .								. :		
		1	•	Ç.	176.9	182.4	359.3												
			_	Metal	150.6	19.2	169.8			· .		* * * * * * * * * * * * * * * * * * * *							
				Others	000	108.1	198.1												

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Table 9.9
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Asial Supply Deceasing Tenal Actions (1974) (19	No. No.	Power	- 1	Loans received	•	đ	pital costs			Outstanding	Repayment	Interest	payment	Resources			Corporate	Surplus		
March Marc	Year revenue Class 1.2. 7.0. Const Tringfold (6.2.%) (1.3.%) (6.2.%) (7.9.%) Const Tringfold (6.2.%) (7.9.%) Const Tringfold (6.2.%) (7.9.%) Const Tringfold (6.2.%) (7.9.%) Const Cons		Foreign	Dornestic	Total				××° O	ngoi	៵	Foreign	Domestic	ă	Total	Current	Xer	After	Cumulative	
1.5 1.5	5.5 2.4 7.9 5.2 2.7 7.9 7.9 0.0 <th>ğ</th> <th>B</th> <th>88</th> <th>Sources</th> <th>Ų,</th> <th>Ų</th> <th>Total</th> <th>costs</th> <th>principal</th> <th>principal</th> <th>(8.5%)</th> <th>(13%)</th> <th>& VAT</th> <th>25.25</th> <th>surples</th> <th>payment</th> <th>Xe)</th> <th>surplus</th> <th>×</th>	ğ	B	88	Sources	Ų,	Ų	Total	costs	principal	principal	(8.5%)	(13%)	& VAT	25.25	surples	payment	Xe)	surplus	×
1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1,	125 154 66 11.8 11.84 70.53 70.0 70	2001	5.5	4.	7.5	5.2	1.7	7.9		7.9				0.0	7.9	0.0	0.0	0.0	0,0	ద్ద
7.35 2.13 4.12 7.14 4.25 4.17 7.25 4.17 7.25 4.17 7.25 4.17 7.25 4.17 7.25 4.17 7.25 4.17 7.25 4.17 7.25 4.17 7.25 4.17 7.25 7.25 7.25 4.17 7.25 <th< td=""><td>908 113 442 70.5 90.0 944 40.5 174 26.8 41.2 70.5 90.0 944 40.5 1340 72.6 62.3 134.9 72.6 62.3 134.9 60.0 1140.2 66.11 130.2 134.6 62.5 134.5 137.2 60.0<</td><td>2002</td><td>229</td><td>5.5</td><td>18.4</td><td>9.0</td><td>11.8</td><td>18.4</td><td></td><td>26.3</td><td></td><td></td><td></td><td>0.0</td><td>18.4</td><td>0.0</td><td>0.0</td><td>0.0</td><td>00</td><td>ន្ត</td></th<>	908 113 442 70.5 90.0 944 40.5 174 26.8 41.2 70.5 90.0 944 40.5 1340 72.6 62.3 134.9 72.6 62.3 134.9 60.0 1140.2 66.11 130.2 134.6 62.5 134.5 137.2 60.0<	2002	229	5.5	18.4	9.0	11.8	18.4		26.3				0.0	18.4	0.0	0.0	0.0	00	ន្ត
94.4 40.1 42.4 86.3 193.0 0.0 10.0 10.0 0.0 <th< td=""><td>94.4 40.1 42.4 82.5 135.0 0.0 140.2 60.1 134.0 72.6 62.3 237.9 0.0 140.2 60.1 130.2 72.6 62.3 237.9 0.0 132.4 60.2 136.2 77.4 20.3 137.7 20.0 0.0 132.4 132.2 17.6 4.2 5.4 772.2 0.0 0.0 13.9 13.7 20.2 17.0 188.2 2.8 4.8 8.9 4.1 2.9 13.7 20.0 4.2 5.4 772.0 0.0 4.1</td><td>2003</td><td>30.9</td><td>13.3</td><td>4 5</td><td>17.4</td><td>26.8</td><td>4</td><td></td><td>70.5</td><td></td><td></td><td></td><td>0.0</td><td>4</td><td>0.0</td><td>0.0</td><td>0.0</td><td>00</td><td>స్ట</td></th<>	94.4 40.1 42.4 82.5 135.0 0.0 140.2 60.1 134.0 72.6 62.3 237.9 0.0 140.2 60.1 130.2 72.6 62.3 237.9 0.0 132.4 60.2 136.2 77.4 20.3 137.7 20.0 0.0 132.4 132.2 17.6 4.2 5.4 772.2 0.0 0.0 13.9 13.7 20.2 17.0 188.2 2.8 4.8 8.9 4.1 2.9 13.7 20.0 4.2 5.4 772.0 0.0 4.1	2003	30.9	13.3	4 5	17.4	26.8	4		70.5				0.0	4	0.0	0.0	0.0	00	స్ట
944 445 1349 72,6 333 3849 372 0.0 100 100 0.0<	944 40.5 134.9 72.6 52.3 134.9 72.6 0.0 132.4 56.1 102.2 102.2 102.2 102.2 0.0 132.4 56.1 102.2 11.5 70.7 138.2 177.4 45.6 2.5 772.2 47.1 47.2 47.1 <	2002	57.8	24.8	82.5	40.1	42.4	82.5		153.0				0.0	82.5	0,0	0.0	00	000	ă
112-66 18003 112-66 757 200.39 488-2	13402 6601 2003 1346 75.7 200.3 677.4 600 45.0 50.0 45.0 50.0 45.0 50.0 45.0 50.0 45.0 50.0 45.0 50.0 45.0 50.0 50.0 45.0 50.0 45.0 50.0 45.0 50.0 45.0 50.0 45.0 50.0 45.0 50.0 45.0 50.0 45.0 50.0 45.0 50.0 45.0 50.0 45.0 50.0 45.0 50.0 <	2005	94.4	40.S	134.9	45	62.3	134.9		287.9				0.0	134,9	0.0	000	00	0.0	ន្ត
1324 564 1882 170 460 1892 170 60 600 </td <td>1324 568 1992 190 1992 6774 23 13,7 23.2 17.4 45.6 2.5 7723 8.2 45.8 8.2 29 13 72.3 3.6 0.6 45.6 38.8 45.8 25.8 8.2 74.6 6.0 60.0 60.0 89.8 38.9 19.9 8.9 74.6 6.0 60.0 872.1 38.8 37.5 17.0 8.9 74.6 6.0 60.0 872.1 38.8 37.5 17.0 8.9 74.6 6.0 872.1 38.8 34.6 11.3 8.9 74.6 6.0 872.1 38.8 34.6 11.2 8.9 74.6 6.0 80.9 38.8 34.6 11.3 8.9 74.6 6.0 80.9 38.8 34.6 11.3 8.9 74.6 6.0 80.9 38.8 34.6 11.2 8.9</td> <td>2000</td> <td>140.2</td> <td>80.7</td> <td>2003</td> <td>124.6</td> <td>75.7</td> <td>2003</td> <td></td> <td>488.2</td> <td></td> <td>1</td> <td></td> <td>0.0</td> <td>200.3</td> <td>0.0</td> <td>0.0</td> <td>0.0</td> <td>00</td> <td>ន្ត</td>	1324 568 1992 190 1992 6774 23 13,7 23.2 17.4 45.6 2.5 7723 8.2 45.8 8.2 29 13 72.3 3.6 0.6 45.6 38.8 45.8 25.8 8.2 74.6 6.0 60.0 60.0 89.8 38.9 19.9 8.9 74.6 6.0 60.0 872.1 38.8 37.5 17.0 8.9 74.6 6.0 60.0 872.1 38.8 37.5 17.0 8.9 74.6 6.0 872.1 38.8 34.6 11.3 8.9 74.6 6.0 872.1 38.8 34.6 11.2 8.9 74.6 6.0 80.9 38.8 34.6 11.3 8.9 74.6 6.0 80.9 38.8 34.6 11.3 8.9 74.6 6.0 80.9 38.8 34.6 11.2 8.9	2000	140.2	80.7	2003	124.6	75.7	2003		488.2		1		0.0	200.3	0.0	0.0	0.0	00	ន្ត
319 113.7 72.2 17.4 45.6 25.4 772.0 8.4 15.2 27.4 66.0 68.6 28.8 45.8 27.5 17.4 46.0 67.0 40.0 67.0 <th< td=""><td>319 137 232 17.4 456 2.5 772.0 4.1 4.1 4.1 4.2 4.1 4.1 4.1 4.1 4.1 4.1 4.1 4.1 4.1 4.1 4.1 4.1 4.2 4.1 4.1 4.2 4.2 4.1 4.2<</td><td>2007</td><td>132.4</td><td>56.8</td><td>189.2</td><td>119.2</td><td>70.0</td><td>189.2</td><td></td><td>677.4</td><td></td><td></td><td></td><td>0.0</td><td>189.2</td><td>0.0</td><td>0.0</td><td>0.0</td><td>0.0</td><td>ន្ត</td></th<>	319 137 232 17.4 456 2.5 772.0 4.1 4.1 4.1 4.2 4.1 4.1 4.1 4.1 4.1 4.1 4.1 4.1 4.1 4.1 4.1 4.1 4.2 4.1 4.1 4.2 4.2 4.1 4.2<	2007	132.4	56.8	189.2	119.2	70.0	189.2		677.4				0.0	189.2	0.0	0.0	0.0	0.0	ន្ត
2.9 1.3 7.4 0.6 4.2 5.4 7.7 4.9 1.0 4.4 0.0 4.2 0.0 4.2 0.0 4.2 0.0 4.2 0.0 4.4 1.0 4.4 0.0 <td>29 77,2 3.6 6.6 688,4 38.8 45.8 23.8 8.5 74,6 6.0 688,4 38.8 45.8 23.8 8.9 74,6 6.0 50.0 38.8 30.9 19.9 8.9 74,6 6.0 572,1 38.8 37.5 11.0 8.9 74,6 6.0 572,1 38.8 37.5 11.7 8.9 74,6 6.0 572,1 38.8 37.5 11.2 8.9 74,6 6.0 572,1 38.8 37.5 11.2 8.9 74,6 6.0 378,1 38.8 30.3 2.8 8.9 74,6 6.0 378,1 38.8 30.3 2.8 30 74,6 6.0 378,1 17.0 24.5 30 3.9 74,6 6.0 305,4 17.0 24.5 10.0 8.9 74,6 6.0 27.6 17.0 27.4</td> <td>_</td> <td></td> <td>13.7</td> <td>6.</td> <td>23.2</td> <td>17,4</td> <td>45.6</td> <td>2.5</td> <td>723.0</td> <td></td> <td></td> <td></td> <td>4.1</td> <td>52.2</td> <td>27.4</td> <td>6.9</td> <td>20.6</td> <td>20.6</td> <td>ន្ត</td>	29 77,2 3.6 6.6 688,4 38.8 45.8 23.8 8.5 74,6 6.0 688,4 38.8 45.8 23.8 8.9 74,6 6.0 50.0 38.8 30.9 19.9 8.9 74,6 6.0 572,1 38.8 37.5 11.0 8.9 74,6 6.0 572,1 38.8 37.5 11.7 8.9 74,6 6.0 572,1 38.8 37.5 11.2 8.9 74,6 6.0 572,1 38.8 37.5 11.2 8.9 74,6 6.0 378,1 38.8 30.3 2.8 8.9 74,6 6.0 378,1 38.8 30.3 2.8 30 74,6 6.0 378,1 17.0 24.5 30 3.9 74,6 6.0 305,4 17.0 24.5 10.0 8.9 74,6 6.0 27.6 17.0 27.4	_		13.7	6.	23.2	17,4	45.6	2.5	723.0				4.1	52.2	27.4	6.9	20.6	20.6	ន្ត
746 60 6884 48.8 46.8 20.8 10.8 (5.48) (5.48) (5.48) (5.48) (5.48) (5.49)	74,6 60 6884 38.8 45.8 29.8 8.9 74,6 60 649.6 38.8 40.4 22.7 8.9 74,6 60 670.1 38.8 35.9 13.9 8.9 74,6 60 572.1 38.8 37.5 17.0 8.9 74,6 60 465.7 38.8 37.5 11.3 8.9 74,6 60 373.1 38.8 37.2 8.5 8.9 74,6 60 373.1 38.8 30.3 2.8 8.9 74,6 60 373.4 17.0 27.4 0.0 8.9 74,6 60 375.4 17.0 22.4 0.0 8.9 74,6 60 224.5 17.0 22.4 0.0 8.9 74,6 60 224.5 17.0 22.4 0.0 8.9 74,6 60 224.5 17.0 13.4 0.0 8.9	1.	.1 2.9	13	72.3	3.6	9.0	c i	5,4	727.2				8,2	17.8	\$45	13.6	6.04 6.09	61.5	ă
746 60 6496 38.8 40.4 22.7 8.9 112.6 (42.9) 0.0 (42.9) (42.9	746 6.0 6496 38.8 40,4 22.7 8.9 746 6.0 572.1 38.8 37.5 17.0 8.9 746 6.0 572.1 38.8 37.5 17.0 8.9 746 6.0 503.3 38.8 36.1 14.2 8.9 746 6.0 455.7 38.8 39.2 13.8 8.9 746 6.0 416.9 38.8 39.3 1.8 8.9 746 6.0 416.9 38.8 39.3 1.8 8.9 746 6.0 378.4 17.0 22.4 0.0 8.9 746 6.0 225.4 17.0 22.4 0.0 8.9 746 6.0 225.4 17.0 22.4 0.0 8.9 746 6.0 225.4 17.0 22.4 0.0 8.9 746 6.0 227.4 17.0 22.4 0.0 8.9	è	v		74.6	; ;			0.0	688.4	38.8	45.8	29.8	8,9	129.4	(\$4.8)	0.0	(54.8)	6.7	ង
746 60 6721 38.8 38.9 159 8.9 112.6 (38.9) 0.0 (78.0)	746 60 600 838 385 199 8.9 746 60 5772 38.8 37.5 1470 8.9 746 60 4945 38.8 34.6 1113 8.9 746 60 4945 38.8 33.7 8.5 8.9 746 60 4957 38.8 33.7 8.9 8.9 746 60 378.1 38.8 33.7 2.8 8.9 746 60 378.4 38.8 23.8 8.9 8.9 746 60 395.4 38.8 23.8 8.9 8.9 746 60 305.4 170 25.1 0.0 8.9 746 60 274.5 170 23.1 0.0 8.9 746 60 274.5 170 13.7 0.0 8.9 746 60 185.7 170 13.7 0.0 8.9 746 </td <td></td> <td>v</td> <td></td> <td>74.6</td> <td></td> <td></td> <td></td> <td>0.0</td> <td>649.6</td> <td>38.8</td> <td>4.04</td> <td>22.7</td> <td>8,9</td> <td>116.8</td> <td>(42.3)</td> <td>0.0</td> <td>(42.3)</td> <td>(35.6)</td> <td>8</td>		v		74.6				0.0	649.6	38.8	4.04	22.7	8,9	116.8	(42.3)	0.0	(42.3)	(35.6)	8
74.6 60. 77.1. 38.8 37.5. 17.0. 17.	746 6.0 572.1 38.8 37.5 17.0 8.9 746 6.0 593.3 38.8 34.6 11.3 8.9 746 6.0 495.7 38.8 34.6 11.3 8.9 746 6.0 378.1 38.8 33.7 2.7 8.9 746 6.0 378.1 38.8 33.7 2.7 8.9 746 6.0 378.1 38.8 33.2 2.3 8.9 746 6.0 392.4 38.8 23.8 0.0 8.9 746 6.0 322.4 17.0 22.4 0.0 8.9 746 6.0 224.5 17.0 22.1 0.0 8.9 746 6.0 227.4 17.0 22.1 0.0 8.9 746 6.0 220.6 17.0 13.7 0.0 8.9 746 6.0 220.6 17.0 13.4 0.0 8.9 746 6.0 105.7 17.0 13.4 0.0 8.9 746 6.0 105.7 17.0 13.0 0.0 8.9 746 6.0 100.8 17.0 17.0 10.0<	_	٥	-	74.6				0.0	610.8	38.8	38.9	19,9	8,9	112.6	(38.0)	0.0	68	39	ន្ត
74,6 6,0 532,3 38.8 36,1 14.2 18.9 164,0 (20.4) (10.6) (11.6) <t< td=""><td>746 60 533.3 38.8 36.1 14.2 8.9 746 60 454.5 38.8 34.6 11.3 8.9 746 60 416.9 38.8 31.7 5.7 8.9 746 60 398.1 38.8 30.3 2.8 8.9 746 60 399.4 38.8 20.3 2.8 8.9 746 60 392.4 38.8 22.4 0.0 8.9 746 60 322.4 17.0 24.5 0.0 8.9 746 60 224.5 17.0 21.6 0.0 8.9 746 60 237.6 17.0 21.6 0.0 8.9 746 60 237.6 17.0 13.7 0.0 8.9 746 60 237.6 17.0 13.4 0.0 8.9 746 60 188.7 17.0 14.4 0.0 8.9 746 60 188.7 17.0 13.0 0.0 8.9 746 60 188.7 17.0 13.0 0.0 8.9 746 60 188.8 17.0 14.4 0.0 8.9<</td><td></td><td>٥</td><td></td><td>74.6</td><td></td><td></td><td></td><td>0.0</td><td>572.1</td><td>38.8</td><td>37.5</td><td>17.0</td><td>6.8</td><td>108.3</td><td>(33.7)</td><td>0.0</td><td>G3.7</td><td>(107.3)</td><td>ន</td></t<>	746 60 533.3 38.8 36.1 14.2 8.9 746 60 454.5 38.8 34.6 11.3 8.9 746 60 416.9 38.8 31.7 5.7 8.9 746 60 398.1 38.8 30.3 2.8 8.9 746 60 399.4 38.8 20.3 2.8 8.9 746 60 392.4 38.8 22.4 0.0 8.9 746 60 322.4 17.0 24.5 0.0 8.9 746 60 224.5 17.0 21.6 0.0 8.9 746 60 237.6 17.0 21.6 0.0 8.9 746 60 237.6 17.0 13.7 0.0 8.9 746 60 237.6 17.0 13.4 0.0 8.9 746 60 188.7 17.0 14.4 0.0 8.9 746 60 188.7 17.0 13.0 0.0 8.9 746 60 188.7 17.0 13.0 0.0 8.9 746 60 188.8 17.0 14.4 0.0 8.9<		٥		74.6				0.0	572.1	38.8	37.5	17.0	6.8	108.3	(33.7)	0.0	G3.7	(107.3)	ន
746 60 494-5 38.8 34-6 11.3 8.9 99.7 (35.2) 0.0 (35.2) 11.2 8.9 99.7 (35.2) 0.0 (35.2) 11.2 8.9 99.7 (35.2) 0.0 (35.2) 11.2 (35.2) 0.0 (35.2) 11.2 (35.2) 0.0 (35.2) 11.2 (35.2) 0.0 (35.2)	746 60 494.5 38.8 346 1113 8.9 746 60 495.7 38.8 33.2 8.5 8.9 746 60 378.1 38.8 39.3 2.8 8.9 746 60 372.4 37.0 27.4 0.0 8.9 746 60 365.4 37.0 27.4 0.0 8.9 746 60 365.4 17.0 24.5 0.0 8.9 746 60 224.5 17.0 24.5 0.0 8.9 746 60 224.5 17.0 20.2 8.9 746 60 220.6 17.0 17.2 0.0 8.9 746 60 220.6 17.0 17.5 0.0 8.9 746 60 188.7 17.0 14.4 0.0 8.9 746 60 188.7 17.0 14.4 0.0 8.9 746 60 188.7 17.0 14.4 0.0 8.9 746 60 188.7 17.0 14.4 0.0 8.9 746 60 188.7 17.0 14.4 0.0 8.9	•	ø		74.6		•		0.0	533.3	38.8	36.1	14.2	8.9	104.0	€.65	0.0	₹ 87	(136.8)	8
74.6 6.0 485.7 38.8 33.2 8.5 85.9 75.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 8.9 80.0 7	746 60 4557 38.8 33.2 8.5 8.9 746 60 393.4 38.8 31.7 5.7 8.9 746 60 393.4 38.8 38.8 30.2 8.9 746 60 392.4 17.0 27.4 0.0 8.9 746 60 222.4 17.0 24.5 0.0 8.9 746 60 27.5 17.0 23.1 0.0 8.9 746 60 27.5 17.0 23.1 0.0 8.9 746 60 27.6 17.0 23.1 0.0 8.9 746 60 20.5 17.0 13.7 0.0 8.9 746 60 10.2 17.0 13.7 0.0 8.9 746 60 10.2 17.0 13.4 0.0 8.9 746 60 10.2 17.0 13.4 0.0 8.9 746 60 10.2 17.0 13.4 0.0 8.9 746 60 10.2 17.0 13.4 0.0 8.9 746 60 10.2 17.0 13.0 10.0 8.9 <td></td> <td>vo</td> <td></td> <td>74.6</td> <td></td> <td></td> <td></td> <td>0.0</td> <td>494.5</td> <td>38.8</td> <td>34.6</td> <td>11.3</td> <td>8,9</td> <td>7.66</td> <td>(25.2)</td> <td>0.0</td> <td>8</td> <td>(162.0)</td> <td>8</td>		vo		74.6				0.0	494.5	38.8	34.6	11.3	8,9	7.66	(25.2)	0.0	8	(162.0)	8
746 60 416.9 31.7 5.7 8.9 91.2 (16.6) (16.9) (16.6) (16.9) (746 6.0 416.9 38.8 31.7 5.7 8.9 746 6.0 378.1 38.8 23.8 0.0 8.9 746 6.0 305.4 17.0 27.4 0.0 8.9 746 6.0 305.4 17.0 24.5 0.0 8.9 746 6.0 228.5 17.0 24.5 0.0 8.9 746 6.0 271.5 17.0 24.5 0.0 8.9 746 6.0 274.5 17.0 21.1 0.0 8.9 746 6.0 274.5 17.0 18.7 0.0 8.9 746 6.0 186.7 17.0 18.7 0.0 8.9 746 6.0 186.7 17.0 11.5 0.0 8.9 746 6.0 186.7 17.0 11.5 0.0 8.9 746 6.0 186.7 17.0 11.5 0.0 8.9 746 6.0 186.7 17.0 11.5 0.0 8.9 746 6.0 186.7 17.0 11.5 0.0 8.9 746 6.0 17.0 17.0 17.0 10.0		9	· ·	74.6				0,0	455.7	38.8	33.2	8.5	8,9	95.5	(50.9)	0.0	(20.9)	(182.8)	Ş
746 60 378.1 38.8 30.3 2.8 8.6 (12.3) 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	746 6.0 378.1 38.8 30.3 2.8 8.9 746 6.0 325.4 38.8 23.8 0.0 8.9 746 6.0 305.4 17.0 25.4 0.0 8.9 746 6.0 228.5 17.0 24.5 0.0 8.9 746 6.0 234.5 17.0 24.5 0.0 8.9 746 6.0 257.5 17.0 21.6 0.0 8.9 746 6.0 257.6 17.0 21.6 0.0 8.9 746 6.0 250.6 17.0 17.3 0.0 8.9 746 6.0 188.6 17.0 14.4 0.0 8.9 746 6.0 105.7 17.0 14.4 0.0 8.9 746 6.0 105.8 17.0 14.4 0.0 8.9 746 6.0 105.8 17.0 14.4 0.0 8.9 746 6.0 105.8 17.0 14.4 0.0 8.9 746 6.0 105.8 17.0 14.4 0.0 8.9 746 6.0 10.0 17.0 17.0 10.0		VQ.	-	74.6				8	416.9	38.8	31.7	5.7	6.8	91.2	(16.9)	0.0	(16.9)	(399.5)	8
746 60 3994 388 228 0.0 8.0 826 (6.1) (7.19) 746 60 3054 17.0 274 0.0 8.9 934 15.2 3.8 11.6 (384) 746 60 2054 17.0 245 0.0 8.9 55.0 18.1 4.5 11.6 (384) 746 60 224.5 17.0 24.5 0.0 8.9 55.0 18.1 4.5 11.6 (384) 746 60 224.5 17.0 24.5 0.0 8.9 55.0 18.1 4.5 11.6 (1824) 746 60 227.6 17.0 13.7 0.0 8.9 55.0 13.6 11.5 11.5 13.6 13.5 13.6 13.5 13.6 13.5 13.6 13.5 13.6 13.5 13.6 13.5 13.6 13.5 13.6 13.5 13.6 13.5 13.6 13.5 <td< td=""><td>74,6 6.0 392,4 17,0 27,4 6.0 392,4 17,0 27,4 0.0 8.9 74,6 6.0 284,5 17,0 24,5 0,0 8,9 74,6 6.0 27,4 74,6 6.0 27,6 74,6 6.0 27,6 74,6 6.0 27,6 74,6 74,6 74,6 74,6 74,6 74,6 74,6 7</td><td></td><td>ý</td><td></td><td>74.6</td><td></td><td></td><td></td><td>0.0</td><td>378.1</td><td>38.8</td><td>30.3</td><td>2.8</td><td>8,9</td><td>86.5</td><td>(12.3)</td><td>0.0</td><td>(12.3)</td><td>(211.8)</td><td>ន</td></td<>	74,6 6.0 392,4 17,0 27,4 6.0 392,4 17,0 27,4 0.0 8.9 74,6 6.0 284,5 17,0 24,5 0,0 8,9 74,6 6.0 27,4 74,6 6.0 27,6 74,6 6.0 27,6 74,6 6.0 27,6 74,6 74,6 74,6 74,6 74,6 74,6 74,6 7		ý		74.6				0.0	378.1	38.8	30.3	2.8	8,9	86.5	(12.3)	0.0	(12.3)	(211.8)	ន
746 60 3524 1770 27.4 0.0 8.9 59.4 15.2 3.8 11.4 (2084) 746 60 288.4 1770 24.0 0.0 8.9 55.7 18.6 4.2 11.2 (2084) 746 60 288.5 17.0 24.6 17.0 28.9 55.9 18.1 4.5 13.5 (1854) 746 60 27.45 17.0 21.6 0.0 8.9 55.6 19.5 4.9 14.6 (1677) 746 60 27.45 17.0 21.6 0.0 8.9 50.7 22.4 5.6 167.7 746 60 27.66 17.0 18.7 0.0 8.9 47.3 25.7 16.7 117.3 746 60 15.0 17.0 14.4 0.0 8.9 4.3 11.7 10.1 746 60 15.0 17.0 13.0 13.0 13.0 13.	74,6 6.0 932,4 170 274 74,6 6.0 936,4 170 245 0.0 8.9 74,6 6.0 234,5 170 241 0.0 8.9 74,6 6.0 237,6 170 231 0.0 8.9 74,6 6.0 237,6 170 231 0.0 8.9 74,6 6.0 186,6 170 136,0 0.0 8,9 74,6 6.0 186,7 170 136,0 0.0 8,9 74,6 6.0 138,7 170 131,0 0.0 8,9 74,6 6.0 138,7 170 131,0 0.0 8,9 74,6 6.0 138,7 170 131,0 0.0 8,9 74,6 6.0 138,7 170 131,0 0.0 8,9 74,6 6.0 138,7 170 131,0 0.0 8,9 74,6 6.0 170 170 174 070 8,9 74,6 6.0 170 170 170 174 070 8,9 74,6 6.0 170 170 170 170 180 8,9 74,6 6.0 170 170 170 180 8,9 74,6 6.0 170 170 170 180 8,9	_	y.		74.6				9	339,4	38.8	28.8	0.0	8.9	82.6	(8.1)	00	(8.1)	(8,815)	8
746 60 39554 170 256 156 156 42 125 (1984) 746 60 22845 170 234 170 89 555 181 45 136 (1954) 746 60 2245 170 214 0.0 89 550 195 49 146 (1577) 746 60 2276 170 217 0.0 89 521 224 56 157 (1570) 746 60 2276 170 137 0.0 89 521 224 56 157 (1570) 746 60 2276 170 137 0.0 89 521 224 56 158 (1352) 746 60 2256 170 137 0.0 89 473 253 157 151 746 60 1357 170 134 0.0 89 443 254	74,6 6.0 305.4 17.0 26.0 8.9 74,6 6.0 228.5 17.0 24.5 0.0 8.9 74,6 6.0 257.5 17.0 21.1 0.0 8.9 74,6 6.0 257.6 17.0 20.2 0.0 8.9 74,6 6.0 203.6 17.0 18.7 0.0 8.9 74,6 6.0 186.6 17.0 15.9 0.0 8.9 74,6 6.0 185.7 17.0 13.9 0.0 8.9 74,6 6.0 185.7 17.0 13.4 0.0 8.9 74,6 6.0 185.7 17.0 13.4 0.0 8.9 74,6 6.0 101.8 17.0 13.1 0.0 8.9 74,6 6.0 101.8 17.0 13.1 0.0 8.9 74,6 6.0 101.8 17.0 13.0 0.0 8.9 74,6 6.0 101.8 17.0 14.4 0.0 8.9 74,6 6.0 17.0 17.0 14.4 0.0 8.9 74,6 6.0 17.0 17.0 14.9 0.0	_	v		74.6				0.0	322.4	17.0	27.4	0.0	8,9	50.4	15.2	3.8	11.4	(4.80%)	ន
746 60 228.5 17.0 24.5 0.0 8.9 56.5 18.1 4.5 13.6 (182.4) 746 60 27.45 17.0 23.1 0.0 8.9 55.0 19.5 4.9 14.6 (152.4) 746 60 27.6 17.0 21.6 0.0 8.9 52.1 22.4 5.6 16.7 (152.0) 746 60 27.6 17.0 17.3 0.0 8.9 52.1 22.4 5.6 16.7 (167.7) 746 60 27.6 17.0 17.3 0.0 8.9 49.3 25.3 6.0 17.9 (117.3) 746 60 1856 17.0 17.0 18.4 0.0 8.9 49.3 25.3 6.1 17.2 17.4 17.5 11.5 10.0 8.9 49.3 27.3 16.1 17.2 10.0 8.9 24.2 10.0 17.4 17.2 11.2 17.4	746 60 288.5 17.0 24.5 0.0 8.9 746 60 271.5 17.0 23.1 0.0 8.9 746 60 254.5 17.0 20.0 0.0 8.9 746 60 230.6 17.0 18.7 0.0 8.9 746 60 186.7 17.0 18.9 0.0 8.9 746 60 182.7 17.0 14.4 0.0 8.9 746 60 185.7 17.0 11.5 0.0 8.9 746 60 135.7 17.0 11.5 0.0 8.9 746 60 101.8 17.0 11.5 0.0 8.9 746 60 101.8 17.0 12.0 0.0 8.9 746 60 84.9 17.0 4.3 0.0 8.9 746 60 84.9 17.0 4.3 0.0 8.9 746 60 82.9 17.0 14.9 0.0 8.9 746 60 93.9 17.0 14.9 0.0 8.9 746 60 0.0 17.0 0.0 0.0 8.9 <td>-</td> <td>v</td> <td></td> <td>74.6</td> <td></td> <td></td> <td></td> <td>03</td> <td>305.4</td> <td>17.0</td> <td>26.0</td> <td>0</td> <td>8.9</td> <td>57.9</td> <td>16.6</td> <td>4.2</td> <td>12.5</td> <td>(196.0)</td> <td>Š</td>	-	v		74.6				03	305.4	17.0	26.0	0	8.9	57.9	16.6	4.2	12.5	(196.0)	Š
746 60 271.5 17.0 23.1 0.0 8.9 55.0 19.5 4.9 14.6 (167.7) 746 60 224.5 17.0 21.6 0.0 8.9 53.6 21.0 5.2 15.7 (157.0) 746 60 227.6 17.0 18.7 0.0 8.9 50.7 22.4 5.6 15.7 15.2 0.0 8.9 50.7 22.4 5.6 15.7 15.2 0.0 8.9 50.7 22.4 5.6 15.7 (15.2) 0.0 8.9 50.7 22.4 5.0 17.0 <td< td=""><td>746 60 254.5 17.0 23.1 0.0 8.9 746 60 257.6 17.0 21.6 0.0 8.9 746 60 257.6 17.0 13.7 0.0 8.9 746 60 203.6 17.0 17.3 0.0 8.9 746 60 186.6 17.0 14.4 0.0 8.9 746 60 152.7 17.0 14.4 0.0 8.9 746 60 152.7 17.0 14.4 0.0 8.9 746 60 101.8 17.0 14.4 0.0 8.9 746 60 101.8 17.0 14.4 0.0 8.9 746 60 101.8 17.0 11.5 0.0 8.9 746 60 60 101.8 17.0 7.2 0.0 8.9 746 60 23.9 17.0 4.3 0.0 8.9 746 60 23.9 17.0 4.3 0.0 8.9 746 60 23.9 17.0 1.4 0.0 8.9 746 60 0.0 0.0 0.0 0.0 8</td><td></td><td>Ŷ</td><td></td><td>74.6</td><td></td><td></td><td></td><td>9</td><td>288.5</td><td>17.0</td><td>24.5</td><td>0.0</td><td>8.9</td><td>56.5</td><td>18.1</td><td>4.5</td><td>13.6</td><td>(182.4)</td><td>ä</td></td<>	746 60 254.5 17.0 23.1 0.0 8.9 746 60 257.6 17.0 21.6 0.0 8.9 746 60 257.6 17.0 13.7 0.0 8.9 746 60 203.6 17.0 17.3 0.0 8.9 746 60 186.6 17.0 14.4 0.0 8.9 746 60 152.7 17.0 14.4 0.0 8.9 746 60 152.7 17.0 14.4 0.0 8.9 746 60 101.8 17.0 14.4 0.0 8.9 746 60 101.8 17.0 14.4 0.0 8.9 746 60 101.8 17.0 11.5 0.0 8.9 746 60 60 101.8 17.0 7.2 0.0 8.9 746 60 23.9 17.0 4.3 0.0 8.9 746 60 23.9 17.0 4.3 0.0 8.9 746 60 23.9 17.0 1.4 0.0 8.9 746 60 0.0 0.0 0.0 0.0 8		Ŷ		74.6				9	288.5	17.0	24.5	0.0	8.9	56.5	18.1	4.5	13.6	(182.4)	ä
746 60 2545 17.0 21.6 0.0 8.9 53.6 21.0 5.2 15.7 (152.0) 746 60 227.6 17.0 20.2 0.0 8.9 52.1 22.4 5.6 15.8 (135.2) 746 60 220.6 17.0 15.9 0.0 8.9 47.8 25.3 6.0 17.9 (117.3) 746 60 186.6 17.0 15.9 0.0 8.9 47.8 25.7 6.7 20.1 (78.3) 746 60 186.6 17.0 11.4 0.0 8.9 47.8 25.7 6.7 20.1 (78.3) 746 60 188.7 17.0 11.4 0.0 8.9 42.1 20.1 (78.3) 746 60 118.8 17.0 11.0 0.0 8.9 42.1 22.3 11.4 11.4 11.4 11.4 10.0 8.9 42.1 20.1 17.4	746 746 60 2545 170 216 0.0 8.9 746 60 2206 170 201 0.0 8.9 746 60 2036 170 137 0.0 8.9 746 60 1867 170 144 0.0 8.9 746 60 1857 170 144 0.0 8.9 746 60 1357 170 113 0.0 8.9 746 60 1018 170 113 0.0 8.9 746 60 1018 170 80 80 80 746 60 279 170 29 0.0 8.9 746 60 339 170 29 0.0 8.9 746 746 60 239 170 29 0.0 8.9 746 746 60 00 170 10 89 746 746 746 746 746 746 746 746 746 746	,	v		74.0				0.0	271.5	17.0	23.1	0.0	8.9	55.0	19.5	4.9	14.6	(167.7)	ä
746 60 2376 170 202 0.0 8.9 52.1 22.4 5.6 16.8 (135.3) 746 6.0 220.6 170 18.7 0.0 8.9 47.8 25.3 6.0 17.9 (117.3) 746 6.0 186.6 17.0 14.4 0.0 8.9 47.8 25.7 6.7 20.0 (18.3) 746 6.0 186.7 17.0 14.4 0.0 8.9 47.8 25.7 6.7 20.1 (78.3) 746 6.0 185.7 17.0 14.4 0.0 8.9 44.9 25.6 7.4 22.2 (197.7) 746 6.0 185.7 17.0 10.1 0.0 8.9 44.9 25.5 (124.4) (21.9 (21.4 (21.4 (21.4 (21.4 (21.4 (21.4 (21.4 (21.4 (21.4 (21.4 (21.4 (21.4 (21.4 (21.4 (21.4 (21.4 (21.4 <td>746 746 60 2276 170 202 00 8.9 746 60 2036 170 173 00 8.9 746 60 1867 170 159 00 8.9 746 746 60 1877 170 159 00 8.9 746 60 1877 170 130 00 8.9 746 60 1888 170 101 00 8.9 746 60 848 170 101 00 8.9 746 60 87.9 170 5.8 00 8.9 746 60 60 170 170 00 8.9 746 746 746 746 746 746 746 746 746 746</td> <td>_</td> <td>9</td> <td></td> <td>74.6</td> <td></td> <td></td> <td></td> <td>0.0</td> <td>254.5</td> <td>17.0</td> <td>21.6</td> <td>0.0</td> <td>6.8</td> <td>53.6</td> <td>21.0</td> <td>5.2</td> <td>15.7</td> <td>(152.0)</td> <td>8</td>	746 746 60 2276 170 202 00 8.9 746 60 2036 170 173 00 8.9 746 60 1867 170 159 00 8.9 746 746 60 1877 170 159 00 8.9 746 60 1877 170 130 00 8.9 746 60 1888 170 101 00 8.9 746 60 848 170 101 00 8.9 746 60 87.9 170 5.8 00 8.9 746 60 60 170 170 00 8.9 746 746 746 746 746 746 746 746 746 746	_	9		74.6				0.0	254.5	17.0	21.6	0.0	6.8	53.6	21.0	5.2	15.7	(152.0)	8
746 60 220.6 17.0 18.7 0.0 8.9 50.7 22.9 6.0 17.9 (117.3) 746 6.0 203.6 17.0 17.3 0.0 8.9 47.8 25.3 6.3 150.0 (98.3) 746 6.0 165.7 17.0 14.4 0.0 8.9 47.8 25.7 7.0 (18.3) (18.4) (18.3) (18.4)	746 60 22306 1770 1877 0.0 8.9 746 60 1866 1770 17.5 0.0 8.9 746 60 1866 1770 15.9 0.0 8.9 746 60 1857 17.0 13.0 0.0 8.9 746 60 118.8 17.0 11.1 0.0 8.9 746 60 118.8 17.0 10.1 0.0 8.9 746 60 80 60 17.0 17.0 8.9 746 60 80 60 80 80 80 80 80 746 60 80 80 80 80 746 60 80 80 80 80 746 60 80 80 80 80 746 60 80 80 80 80 746 60 80 80 80 746 60 80 80 80 746 60 80 80 80 746 60 80 80 80 746 60 80 80 80 746 60 80 80 80 746 60 80 80 80 746 60 80 80 80 746 60 80 80 80		ø		74.6				0.0	237.6	17.0	20.2	0.0	8.9	52.1	22.4	5.6	16.8	(135.2)	g
746 60 2036 17.0 17.3 0.0 8.9 49.3 25.3 6.3 19.0 (98.3) 746 169.8 6.0 186.6 17.0 15.9 0.0 8.9 47.8 26.7 6.7 20.1 (78.3) 746 6.0 168.7 17.0 13.0 0.0 8.9 45.5 31.1 7.8 22.2 177.7 746 6.0 135.7 17.0 10.1 0.0 8.9 42.1 32.5 174.4 (19.7) 746 6.0 135.7 17.0 10.1 0.0 8.9 42.1 32.5 (17.4) (15.0) 746 6.0 135.7 17.0 10.1 0.0 8.9 42.1 32.5 (12.45) 746 6.0 10.1 17.0 17.0 17.0 10.0 8.9 34.2 35.3 36.5 13.5 (12.45) 746 6.0 50.9 17.0 17.0 <td>746 60 2036 1770 175 0.0 8.9 746 60 1866 1770 155 0.0 8.9 746 60 152.7 170 144 0.0 8.9 746 60 135.7 170 11.5 0.0 8.9 746 60 135.7 170 11.5 0.0 8.9 746 60 101.8 170 10.1 0.0 8.9 746 60 80 879 170 5.8 746 60 33.9 170 5.8 746 60 33.9 746 60 0.0 0.0 0.0 8.9 89</td> <td>:</td> <td>VQ.</td> <td></td> <td>74.0</td> <td></td> <td></td> <td></td> <td>0.0</td> <td>220.6</td> <td>17.0</td> <td>18.7</td> <td>0.0</td> <td>o. 8</td> <td>50.7</td> <td>23.9</td> <td>6.0</td> <td>17.9</td> <td>(117.3)</td> <td>ន្ត</td>	746 60 2036 1770 175 0.0 8.9 746 60 1866 1770 155 0.0 8.9 746 60 152.7 170 144 0.0 8.9 746 60 135.7 170 11.5 0.0 8.9 746 60 135.7 170 11.5 0.0 8.9 746 60 101.8 170 10.1 0.0 8.9 746 60 80 879 170 5.8 746 60 33.9 170 5.8 746 60 33.9 746 60 0.0 0.0 0.0 8.9 89	:	VQ.		74.0				0.0	220.6	17.0	18.7	0.0	o. 8	50.7	23.9	6.0	17.9	(117.3)	ន្ត
746 60 1866 170 159 0.0 8.9 47.8 26.7 6.7 20.1 (78.9) 746 169.8 60 169.7 17.0 144 0.0 8.9 44.8 25.6 (14.4) 0.0 0.0	746 60 1866 170 159 0.0 8.9 746 169.8 60 169.7 170 144 0.0 8.9 746 60 125.7 170 13.6 0.0 8.9 746 60 101.8 170 10.1 0.0 8.9 746 60 101.8 170 7.2 0.0 8.9 746 60 848 170 7.2 0.0 8.9 746 60 53.9 170 4.3 0.0 8.9 746 60 23.9 170 4.3 0.0 8.9 746 60 170 170 1.4 0.0 8.9 746 60 0.0 0.0 0.0 0.0 8.9 746 60 0.0 0.0 0.0 0.0 8.9 746 60 0.0 0.0 0.0 0.0 8.9 746 60 0.0 0.0 0.0 0.0 8.9 746 60 0.0 0.0 0.0 0.0 8.9 89 89 89 89 89 89 80 80		vo		74.6				0.0	203.6	17.0	17.3	0	8,9	49.3	25.3	6.3	19.0	(98.3)	8
746 169.8 6.0 169.7 17.0 144 0.0 8.9 216.2 (141.6) 0.0 (141.7) 0.0	746 169.8 6.0 169.7 17.0 144 0.0 8.9 746 6.0 152.7 17.0 13.0 0.0 8.9 746 6.0 118.7 17.0 11.1 0.0 8.9 746 6.0 101.8 17.0 8.7 0.0 8.9 746 6.0 94.8 17.0 7.2 0.0 8.9 746 6.0 97.9 17.0 4.3 0.0 8.9 746 6.0 17.0 17.0 1.4 0.0 8.9 746 6.0 17.0 17.0 1.4 0.0 8.9 746 6.0 17.0 17.0 0.0 0.0 8.9 746 6.0 0.0 0.0 0.0 0.0 8.9 746 6.0 0.0 0.0 0.0 0.0 8.9 746 6.0 0.0 0.0 0.0 0.0 8.9 747 6.0 0.0 0.0 0.0 0.0 0.0 8.9 748 6.0 0.0 0.0 0.0 0.0 0.0 8.9 749 6.0 0.0 0.0 0.0		vo		7.0				9.0	186,6	. 17.0	15.9	0.0	8.9	47.8	26.7	6.7	20,1	(5.87)	ន្ត
746 60 152.7 170 130 0.0 8.9 44.9 25.6 7.4 22.2 (197.7) 746 6.0 135.7 17.0 11.5 0.0 8.9 45.5 31.1 7.8 22.3 (197.7) 746 6.0 101.8 17.0 10.1 0.0 8.9 45.6 24.0 8.5 25.3 (134.9) 746 6.0 101.8 17.0 17.2 0.0 8.9 37.7 25.3 (124.5) 746 6.0 57.9 17.0 4.3 0.0 8.9 37.7 36.3 9.2 25.6 (124.5) 746 6.0 57.9 17.0 4.3 0.0 8.9 34.8 30.7 9.9 25.7 (12.4) 746 6.0 17.0 17.0 17.0 17.0 17.0 17.0 17.0 17.0 17.0 17.0 17.0 17.0 17.0 17.0 17.0 17.0	746 6.0 152.7 170 13.0 0.0 8.9 746 6.0 135.7 170 11.5 0.0 8.9 746 6.0 101.8 17.0 11.1 0.0 8.9 746 6.0 101.8 17.0 7.2 0.0 8.9 746 6.0 57.9 17.0 5.8 0.0 8.9 746 6.0 23.9 17.0 2.9 0.0 8.9 746 6.0 17.0 17.0 1.4 0.0 8.9 746 6.0 0.0 0.0 0.0 0.0 8.9		9		74.6			169.8	0.0	169.7	17.0	4,4	00	8,9	216.2	(141.6)	0.0	(141,0)	(219,9)	8
746 60 135.7 17.0 11.5 0.0 8.9 45.5 31.1 7.8 22.3 (1744) 746 60 118.8 17.0 10.1 0.0 8.9 42.1 32.5 8.1 24.4 (130.0) 746 60 10.18 17.0 17.0 8.7 9.0 8.9 39.2 35.4 8.8 25.5 (124.5) 746 60 60 67.9 17.0 5.8 0.0 8.9 37.7 36.3 9.2 25.5 (124.5) 746 60 50.9 17.0 4.3 0.0 8.9 36.3 38.3 9.6 28.7 (41.6) 746 60 17.0	746 6.0 135.7 17.0 11.5 0.0 8.9 746 6.0 118.8 17.0 10.1 0.0 8.9 746 6.0 10.18 17.0 10.1 0.0 8.9 746 6.0 87.9 17.0 5.8 0.0 8.9 746 6.0 5.9 17.0 4.3 0.0 8.9 746 6.0 17.0 17.0 1.4 0.0 8.9 746 6.0 0.0 17.0 0.0 0.0 8.9	_	9		74.0				0.0	152.7	17.0	130	00	S	3	28.6	4,4	22.2	(197.7)	g
746 60 118.8 170 10.1 0.0 8.9 42.1 22.5 8.1 244 (150.0) 746 6.0 10.18 17.0 8.7 0.0 8.9 94.0 8.5 25.5 (124.5) 746 6.0 6.0 6.0 77.2 0.0 8.9 97.7 36.3 9.5 25.5 (124.5) 746 6.0 50.9 17.0 4.3 0.0 8.9 36.3 38.3 9.6 28.7 (41.6) 746 6.0 50.9 17.0 4.3 0.0 8.9 36.3 38.3 9.6 28.7 (41.6) 746 6.0 17.0 17.0 17.0 17.0 17.0 18.9 39.7 9.9 29.8 (11.8) 746 6.0 17.0 17.0 17.0 0.0 8.9 33.4 41.2 10.3 30.9 13.0 746 6.0 10.0 17.0 1	746 6.0 118.8 17.0 10.1 0.0 8.9 746 6.0 101.8 17.0 8.7 0.0 8.9 746 6.0 67.9 17.0 5.8 0.0 8.9 746 6.0 57.9 17.0 4.3 0.0 8.9 746 6.0 17.0 17.0 0.0 8.9 746 6.0 0.0 17.0 0.0 0.0 8.9		vo.		4.			٠	9	135.7	17.0	11.5	0.0	8.9	43.5	31.1	7.8	23.3	(174.4)	ឧ
746 60 101.8 17.0 8.7 0.0 8.9 40.6 34.0 8.5 25.5 (124.5) 746 6.0 84.8 17.0 72 0.0 8.9 39.2 35.4 8.8 26.5 (98.0) 746 6.0 50.9 17.0 4.3 0.0 8.9 36.3 38.3 9.6 28.7 (41.5) 746 6.0 33.9 17.0 2.9 0.0 8.9 36.3 38.3 9.6 28.7 (41.5) 746 6.0 17.0 17.0 17.0 1.4 0.0 8.9 33.4 41.2 10.3 30.9 19.0 746 6.0 0.0 17.0 17.0 0.0 8.9 32.0 42.6 10.7 32.0 51.0 746 6.0 0.0 0.0 0.0 8.9 15.0 32.0 14.7 95.7 746 6.0 0.0 0.0 0.0	746 6.0 101.8 17.0 8.7 0.0 8.9 746 6.0 84.8 17.0 7.2 0.0 8.9 746 6.0 50.9 17.0 4.3 0.0 8.9 746 6.0 17.0 17.0 1.4 0.0 8.9 746 6.0 0.0 17.0 0.0 0.0 8.9 746 6.0 0.0 0.0 0.0 8.9		9		74.6		-	٠	0.0	118.8	17.0	10.1	0.0	6. 6.	42.1	32.5	8.1	4.4	(350.0)	ខ្ល
746 60 848 170 72 0.0 8.9 39.2 35.4 8.8 26.5 (98.0) 746 60 67.9 17.0 5.8 0.0 8.9 37.7 36.3 9.2 27.6 (70.3) 746 60 50.9 17.0 17.0 17.0 10.0 8.9 34.8 39.7 9.9 28.7 (41.6) 746 60 17.0 17.0 17.0 17.0 17.0 19.0 19.0 746 60 0.0 17.0 17.0 0.0 8.9 32.0 42.6 10.7 32.0 51.0 746 6.0 0.0 0.0 0.0 8.9 15.0 52.0 14.7 95.7 746 6.0 0.0 0.0 0.0 8.9 15.0 32.0 14.7 95.7 144 9.0 8.9 15.0 8.9 14.7 95.7 144 0.0	746 6.0 848 17.0 7.2 0.0 8.9 746 6.0 6.0 17.0 4.3 0.0 8.9 746 6.0 23.9 17.0 4.3 0.0 8.9 746 6.0 17.0 17.0 1.4 0.0 8.9 746 6.0 0.0 17.0 0.0 0.0 8.9 746 6.0 0.0 0.0 0.0 0.0 8.9	•	vç.		74.6				9	101.8	17.0	8.7	0.0	6,8	904	8,0	8.5	25.5	(124.5)	ខ្ល
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	746 6.0 67.9 17.0 5.8 0.0 8.9 746 6.0 50.9 17.0 4.3 0.0 8.9 746 6.0 17.0 17.0 1.4 0.0 8.9 746 6.0 0.0 17.0 0.0 0.0 8.9 746 6.0 0.0 0.0 0.0 0.0 8.9		9		74.6				0.0	84.8	17.0	7.2	0.0	6.8	39.2	35.4	8.8	26.5	(98.0)	ន
746 60 50,9 17,0 4,3 0,0 8,9 36,3 38,3 9,6 28,7 (41,6) 746 6.0 23,9 17,0 2,9 0,0 8,9 34,8 39,7 9,9 29,8 (11,8) 746 6.0 17,0 1,4 0,0 8,9 33,4 41,2 10,3 30,9 13,0 74,6 6.0 0,0 17,0 0,0 0,0 8,9 32,0 42,6 10,7 32,0 51,0 74,6 6.0 0,0 0,0 0,0 8,9 15,0 59,6 14,9 44,7 95,7	746 6.0 50.9 17.0 4.3 0.0 8.9 (0.0 17.0 17.0 17.0 8.9 (0.0 17.0 17.0 17.0 0.0 8.9 (0.0 17.0 17.0 0.0 8.9 (0.0 17.0 0.0 0.0 8.9 (0.0 17.0 0.0 0.0 8.9 (0.0 17.0 0.0 0.0 8.9 (0.0 0.0 0.0 0.0 0.0 0.0 8.9 (0.0 0.0 0.0 0.0 0.0 0.0 8.9 (0.0 0.0 0.0 0.0 0.0 0.0 8.9 (0.0 0.0 0.0 0.0 0.0 0.0 0.0 8.9 (0.0 0.0 0.0 0.0 0.0 0.0 0.0 8.9 (0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 8.9 (0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.		v,		74.6				6.0	67.9	17.0	5.8	0.0	8,9	37.7	36.8	9.2	27.6	(50)	ž
746 60 23.9 17.0 2.9 0.0 8.9 34.8 39.7 9.9 29.8 (11.8) 746 6.0 17.0 17.0 1.4 0.0 8.9 33.4 41.2 10.3 30.9 19.0 74.6 6.0 0.0 17.0 0.0 0.0 8.9 32.0 42.6 10.7 32.0 51.0 74.6 $6.0 0.0 0.0 0.0 0.0 0.0 8.9 15.0 59.6 14.9 44.7 95.7$	74.6 6.0 33.9 17.0 2.9 0.0 8.9 74.6 6.0 17.0 17.0 1.4 0.0 8.9 74.6 6.0 0.0 17.0 0.0 0.0 8.9 74.6 6.0 0.0 0.0 0.0 0.0 8.9		9		74.6				0.0	50.9	17.0	4	0.0	8,9	36.3	38.3	9.6	7.87	(41.6)	ន
$746 \qquad 60 170 170 14 0.0 8.9 33.4 41.2 10.3 30.9 19.0 \\ 746 \qquad 6.0 \qquad 0.0 17.0 \qquad 0.0 8.9 32.0 42.6 10.7 32.0 51.0 \\ 746 \qquad 6.0 \qquad 0.0 \qquad 0.0 \qquad 0.0 8.9 15.0 89.6 14.9 44.7 95.7 \\ \vdots \\ \vdots$	746 6.0 17.0 1.4 0.0 8.9 74.6 6.0 0.0 17.0 0.0 0.0 8.9 74.6 6.0 0.0 0.0 0.0 0.0 8.9		9,		74.6		. *		0.9	33,9	17.0	2.9	0.0	8.9	8. 8.	39.7	6.6	29.8	(11.8)	g
74.6 6.0 0.0 17.0 0.0 8.9 32.0 42.6 10.7 32.0 51.0 74.6 6.0 0.0 0.0 0.0 8.9 15.0 59.6 14.9 44.7 95.7	74.6 6.0 0.0 17.0 0.0 0.0 8.9 74.6 6.0 0.0 0.0 0.0 8.9		9		74.6			- :	0.0	17.0	17.0	4.1	0.0	8,9	33.4	41.2	103	30.9	19,0	ន
74,6 6.0 0.0 0.0 0.0 8.9 15.0 59.6 14.9 44.7 95.7	74.6 6.0 0.0 0.0 0.0 0.0 8.9	`	, V		74.6				0.0	0.0	17.0	0.0	0.0	8.9	32.0	42.6	10.7	32.0	51.0	8
			Q.		74.6				6.0	0.0	0.0	0.0	0.0	8,9	150	59.6	14,9	7.4	95.7	8
	: 1) Abbreviations:	: 1) Abbreviation	:Suc																	1
T C. T. Anna management according																				

Civil Metal Others Total Tariff rate=USc5.0/kWh; FC:LC=85%:15%; FC=3.5% p.a.

1 1111111	Power Loans received C	Loans re	poince			noital costs			Outstanding	Repayment	Interest payment	Savrnent	Resources			Corporate	Seroles		
	soles	Foreign Domes	Domestic	Total				× × 0	ueo!		Foreign	Domestic	ğ	Total	Current	ă	Affer	Cumulative	
No. Year	-	(85%)	(15%)	SOUTCES	J.	U	Total	costs	principal	principal	(3.5%)	(13.0%)	& VAT	115455	*urplus	payment	tax	sulcture	Year
1 200:		6.7	1,2	7.9	5.2	2.7	7.9		7.9				0'0	7.9	0.0	ŀ	0.0	0.0	2001
2 2002	C1	15.6	2,8	18.4	99	11.8	18.4		26.3			-	0.0	18.4			00	0.0	2002
3 2003		37.6	9.9	4	17.4	26.8	4,		70.5				0.0	4			8	8	2003
4 2005	4	70.1	12.4	82.5	4	47.4	82.5		153.0				0.0	82.5			0.0	0.0	200 200 200 200 200 200 200 200 200 200
5 2005	۰,	114,7	20.2	134.9	7,	62.3	134.9		287.9				0.0	134.9			0.0	0.0	2003
6 2006	9	170.3	900	2003	124.6	75.7	200.3		488.2		:	:	0.0	2003			0.0	0'0	% %
7 2007	. 4	160.8	4.83	189.2	119.2	70.0	189.2		677.4				0.0	189.2		. !	0.0	0.0	2007
8 2008	8 37.9	38.8	8.8	83.5	282	17.4	45.6	2.5	723.0				4,5	52.7			23.1	23.1	2008
\$ 2005	75.7	3.6	90	6,67	3.6	90	4,2	4.	727.2	'. '.			9.1	18.7			45.9	0.69	800 800 800 800 800 800 800 800 800 800
10 2010	0.28			82.9				6,0	695.7	31,5	21.7	14.9	6.6	2,7	٠.		(FE)	67.7	2010
11 2011	1 82.9			82.9				0.0	664.2	31.5	202	11.3	60	8			9	70.6	2011
12 201	2 82.9			82.9				6.0	632.7	31.5	19.5	66	6'6	76.9	٠.		4.5	75.1	2012
13 2013	3 82.9	:		82.9				9,0	601.2	31.5	18.7	8.5	6'6	74.8			6.1	81.1	2013
14 2014	4 82.9			82.9				0.0	569.6	31.5	18.0	7.1	6.6	4			7.7	88.8	2014
15 2015				82.9				0.0	538.1	31.5	17.3	5.7	6.6	70.5		-	6.9	98.1	2015
16 2016				82.9				0.0	506.6	31.5	16.6	3	6°6	68.3			10.9	109.0	2016
17 2017	1			82.9				0.0	475.1	31.5	15.9	ei ei	66	8			12.5	121.5	2017
18 2018	82.9			82.9				9	443.6	31.5	15.1	4.1	66	2			14.1	135,6	2018
19 2019	9 82.9	:		82.9	.*	-		6.0	412.1	31.5	14.4	0.0	66	613	٠.		15.7	151.3	2019
20 2020	0 82,9	,		82.9				9	391.5	20.6	13.7	0.0	6.6	503			¥.	175.7	2020
21 2021	•			82.9		-		6.0	370.9	20.6	13.0	0.0	6.6	49.6			25.0	200.6	2021
22 202	2 82.9			82.9				0.0	350.3	20.6	12.3	0.0	6.6	8.8	- 3	•	25.5	226.2	2022
202 82	3 82.9			82.9				9	329.7	20.6	11.5	0.0	6.6	1.8.1			26.0	252.2	2023
24 202	4 82.9			82.9				0.0	309.1	20.6	10,8	000	6.6	47.4		6.8	26.6	278.8	2024
25 2025	5 82.9			82.9				0,0	288.5	20.6	10.1	000	68	46.7			27.1	305.9	2025
26 2026				82.9			٠	0.0	267.9	20.6	40	0.0	66	6.0			27.7	333.6	2026
27 2027	7 82.9			82.9		1		9	247.2	20.6	8.7	0.0	6;6	45.2			28.2	361.8	2027
28 2028	82.9			82.9			-	0.0	226.6	20,6	7.9	0.0	676	2.4			28.7	390.5	2028
29 2029	_			82.9			169.8	9	206.0	20.6	7.2	0.0	6'6	213.6			613	259.8	2029
30 2030	_			82.9				0.0	185.4	20.6	6.5	0.0	6,6	43.1			29.8	289.6	8
31 2031	٠.			82.9		. •		9	164.8	20.6	5.8	0.0	6.6	47.4			30,4	320.0	2031
32 2032				82.9				0.0	144.2	20.6	5.0	0.0	6.6	41.6			30.9	350.9	2032
33 2033				82.9				8	123.6	20.6	4 0	0.0	6.6	4			31.5	382.3	2033
8 88	82.9			82.9	• •			0.0	103.0	20.6	3,6	0.0	6.6	40.2			32.0	414.3	2034
35 2036				82.9				9	82.4	20.6	53	000	68	39.5			32.5	446.9	2035
36 2036	j.			82.9				ŝ	61.8	20.6	2,2	ô	6.6	38.8			33.1	479.9	8 8 8
37 2037				82.9		:		0.0	44.	20.6	1.4	00	6'6	38.0			33,6	513.6	2037
38 2038				82.9			٠٠.	0.0	20.6	20.6	0.7	0.0	6'6	37.3			3	547.7	2038
39 2039	82.0			82.9			. i.	0.0	0.0	20.6	8	0.0	6.6	36.6	-		2	582.4	2039
40 2040	0 82.9			82.9				6.0	0.0	0.0	0.0	00	6.6	16.0			88.1	632.6	2040
Note: 1) Abb	bbreviations	14								:									

Note: 1) Abbreviations:
F.C.: Foreign currency portion
L.C.: Local currency portion
2) Project construction cost:

Civil Metal Others Total