# Chapter 7. ECONOMIC AND SOCIAL EVALUATION

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### 7 ECONOMIC AND SOCIAL EVALUATION

### 7–1 Economic Internal Rate of Return

In the former chapter a financial evaluation of the Project from the standpoint as an enterprise is carried out and the Project proves to be viable viewing from the profitability of an industry. In this chapter it is analyzed if the Project is feasible from the national standpoint of view. For that purpose, investment, operation cost and sales price estimated by using market price shall be converted into the economic cost and benefit by means of the accounted price (AP). As the prerequisite, machinery and equipment, spare parts, polyester fibre, auxiliary material are imported through the project life and only cotton is furnished domestically. Foreign currency labour means cost of foreign supervisors and other labours are skilled and unskilled labours to be procured in Nepal.

First of all, all items of benefit and cost through the project life are collected in table 1. Then, these items are broken down into trade goods, non-trade goods and transfer items in table 2. AP or shadow price of each items are obtained multiplying the conversion factors to costs and benefits expressed in market price in table 1, therefore, the standard conversion factor (SCF) and conversion factor for consumption (CFC) are calculted in the following.

7-1-1 Calculation of Standard Conversion Factor SCF is calculated by the following formula.

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<u> </u>		° L	e -	
• 7	۰.			

 $\frac{M+X}{(M+Tm) + (X+Sx)}$ 

M = Total amount of imported goods

X = Total amount of exported goods

Tm = Total amount of import duties

Sx = Total bounty on export deducted after export duties

According to the above, SCF for Nepal in 1983/84 is calculated as follows.

	Μ	Tm	X	Sx
1979/80	3, 480. 2	504.8	1, 150. 9	-62.6
1980/81	4, 428. 2	685.1	1,608.6	-69.5
1981/82	4, 930. 2	739.5	1, 491. 5	-42.2
1982/83	6, 314. 0	714.8	1, 132. 0	-25.1
1983/84	6, 514. 3	746.2	1,703.8	-30.4
			/T Taske N	Da Million)

(Unit NRs Million) Source Economic Survey 1984-85 (MOF,1985)

ble 1	Cost	&	Benefit	

					Table 1	Cost &	Benefit								
										υ	nit :	NRS	Milli	on	
	-2/1	1	2	3	4	5	6	1. <b>7</b>	8	9	10	11	Total	8	
I. CAPITAL COST			-								+				
1.Fixed Capital					and the second second										
Land levelling cost	6.6												6.6	0.9	
Construction cost	136.3												136.3	18.6	
Machinery & equipment	469.1												469.1	64.1	
Custom clearance	(10.5)	• •	an ang sing sing sing sing sing sing sing si												
Import duties	(4.2)														
Transport charge	(14,4)			· · ·											
Erection cost	(3.8)									and the second second					
Supervising fee	(25.5)														
						. · · ·								:	•
Vehicles & furnitures	9.4												9.4	1.3	
Engineering & training fee	67.7												67.7	9.3	
Preoperational cost	7.6												7.6	1.0	
Coutingency	34.8									• •		· · · · ·	34.8	4.8	
Total	731.5												731.5	100.0	
2.Working Capital															
		26.0	16.7										42.7	100.0	•
II. OPERATIONAL COST				н. н. М.											
Rav material		31.0	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	586.0	18.8	
Auxiliary material		21.2	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	396.2	12.6	
Packing material		0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	3.2	0.1	
Power charge		10.4	20.9	20.9	20.9	20,9	20.9	20.9	20.9	20.9	20.9	20.9	219.4	7.0	
Fuel charge		12.4	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	260.4	8.3	
Vater charge		0.7	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	14.7	0.5	
Labour expense		8.5	10.9	10.9	10.9	10.9	10.9	10.9	10.9	10.9	10.9	10.9	117.5	3,8	
Maintainance expense		2.1	5.2	8.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4	98.9	3.2	
Depreciation & amortization		78.5	78.5	78.5	78.5	78.5	76.9	76.9	76.9	76.9	76.9	7.5	784.5	25.0	
Overhead expense		2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	29.7	0.9	
Financial charge		90.7	91.5	82.1	72.7	63.3	54.0	44.6	35.2	25.8	16.4	7.0	583.3	18.6	
Income tax			0110								6.9	31.2	38.1	1.2	
Total	· ·	258.4	329.2	323.0	315.6	306.2	295.3	285.9	276.5	267.1	264.6	210.1	3,131.9	100.0	
III. BENEFIT				020.0	0.0.0				1.010		201.0	410,1			
Sales revenue		180.3	365.8	365.8	303.8	303.8	303.8	303.8	303.8	303.8	303.8	303.8	3,342.3	96.8	
Salvage benefit				00010								110.2	110.2	3.2	
Total		180.3	365.8	365.8	303.8	303.8	303.8	303.8	303.8	303.8	303.8	414.0	3,452.5	100.0	•
	L		00010	1 000.0	1 00010	1		1 00000	1 000,0		1		1		
						na di sua Transferencia		e 1 de la decembra de 1 de la decembra de	•••••						
										1997 - 1997 1997 - 1997				7 - 2	

1.5								Trans:	fer
- 1		Trad	ed Goods		Non-t	raded G	oods	Iter	ns
								]]	
÷		Imported	Exported	Foreign	Domestic	Skilled	Unskilled	Bor-	Dome
		Goods	Goods	Labour	Goods	Labour	Labour	der	stic
	I. CAPITAL COST		·						
· .	1. Fixed Capital								
	a) Land levelling	er i standig Standig			70	10	20		
	b) Civil & building	[		8	- 24+Tt	. 2	4	T <sub>1</sub>	
	c) Machinery & equipment	94-T <sub>1</sub> -Tt		5	Tt	1		T1	
	d) Vehicles &	92-T <sub>1</sub> -Tt	8+Tt		Tt-Tt			Tı	
t in	furnitures								
	e) Engineering			100					
î	training fee				t e .				
• •	f) Prc-operational cost		7+Tt		33+Tt-Tt	44	8	Τ,	
	g) Contingency								
		About 3	months of	operati	onal cost	a, b, c	, d, e, f,	g, h	, i
· · · .	Cash		a Na ang atao t						
	II. OPERATIONAL COST	(0 m <sup>2</sup> m	<b>51</b>					m	
	a) Raw material	$49-T_1-Tt$	1		Tt-Tt			T <sub>1</sub>	
	b) Auxiliary Material	100-T <sub>1</sub> -Tt			Tt			T1	
	c) Packing material	100-T <sub>1</sub> -Tt			Tt			T1	
	d) Pover charge				100				
	e) Fuel charge			1. 141 1. 1.	100				
	f) Water charge	n no na seus pa			100				
	g) Labour cost					75	25		
	h) Maintenance expense			the dama	Tt			T,	
	i) Overhead expense				100				
	j) Tax, depreciation							<u>.</u> 10	)0
	and interest				<ul> <li>A state</li> </ul>	:		· .	
	III. BENEFIT			ia i					
	(1) A set of a set	100-T <u>1</u> -Tt		Τt				T1	
:	(sales) b) Benifit at final	ast Jours State					.:		
	point of project life			n Maria	a No		n Maria		
	Fixed capital Working Capital	Sales v	aluc of 1	-a,b				 	
•		· · · · · · · · · · · · · · · · · · ·	• · ·	· · · ·					
		1.1							

# Table 2 Breakdown of Cost and Benefit

Average	in	M5, 133. 4	Tm678.1	X1, 417, 4	Sx-46.0
5	years		akta up a setta		
SCF	$=$ $\frac{1}{(E_1)}$	5,133.4+	1417.4 (1,417.4 - 46.0	<u>))</u>	
1. 1999 1. 1999 1. 1997	(5, 1) = 0. 912		(1,417,4-40,0	<b>7</b> 	
	-0.912		· · ·		

7-1-2 Conversion Factors to Be Used

1) Imported goods

In case imported goods are used for input (import of machinery and equipment or polyester fibre) ,it is necessary to evaluate it by the border price, therefore it is converted into the border price by means of SCF.

 $AP=c. i. f. + (T \times SCF)$ 

T=Inland transportation/distribution cost

In table 2, T expressed as Tt is deducted from the cost of imported goods and provided for in the category of domestic goods, so costs counted up in the column of imported goods can be used as it is as economic price.

In other words, conversion factor for AP is 1.

In the event that imported goods make replacement of import as output (that is, benefit of products sales), it must be evaluated by border price.

AP=c. i. f. + (Tm - Tp) x SCF

Tm=Domestic transportation/distribution cost from the port to consumption area

Tp=Domestic transportation cost from the Project site to consumption area In lot of cases, it is regarded Tm = Tp, but in case of this Project Tm>Tp because cargos are offloaded in Calcutta port. If it is regarded for convenience sake, however, that Tm is nearly equal to Tp, benefit is measured by AP = c. i. f. In this case of import replace ment, market price is used as it is as economical price, that is, the conversion factor is 1.

### 2) Exported goods

This is the case the input which would have been exported is input in the project, to which the raw cotton corresponds to.

AP = f. o. b. - (Tx x SCF) + (Tp x SCF)

Tx=Domestic transportation/distribution cost from production area to the export port

Tp=Domestic transportation/distribution cost from production area to the project site

In many cases it is regarded Tp = 0,

 $AP=f. o. b. - (Tx \times SCF)$ 

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Tx expressed as Tt in table 2 being deducted from the export items and added to the domestic goods item, the export goods value in economic price is equal to f. o. b. price and conversion factor to the AP is 1.

3) Foreign currency labour

Conversion factor for the shadow price is 1.

4) Domestic goods

For the evaluation of non-trade goods, it must be shown by the border price by means of construction conversion factor, power conversion factor, etc.But, here a simple way is adopted, applying same SCF to all cases with the breakdown to be minimized.

5) Skilled labour, Unskilled labour

Skilled labour value evaluated by domestic market price and unskilled labour value evaluated by opportunity cost must be converted into the international market price, applying the conversion factor for consumption (CFC). It is possible to assume CFC is nearly equal to SCF but as in general CFC is considered to be smaller than SCF, it is assumed that CFC=0.900. In the event of the economical price of unskilled labour, it is assumed for the shadow wage rate (SWR) to be 0.7 and CFC×0.7 is used as the factor.

Using the above conversion factors, the conversion factor for each item of benefit and cost are shown in table 3 to 5.

#### Table 3 Conversion factors for capital cost

a. Land levelling cost

	Breakdown	C. factor	Product
Domestic goods	0.7	SCF (0.912)	0.638
Skilled labour	0.1	CFC (0.900)	0.090
Unskilled labour	0.2	0.7×CFC (0.900)	0.126
Co	nversion factor of	a. 0.854	

b. Construction cost

ź		Breakdown	C. factor	Product
	Imported goods	0.62-0.03-0.09	1.000	0.50
e.i	Foreign currency	0.08	1.000	0.08
	labour			
. *	Domestic goods	0.24+0.09	SCF (0.912)	0.301
	Skilled labour	0.02	CFC (0.900)	0.018

- Unskilled labour 0.04 0.7×CFC (0.900) 0.025
- Transfer item data de 0.03 de entre 1000 0

### Conversion factor of b 0.924

Note. T1, i.e. import duties are assumed as 3 % of domestic price of the imported goods.

Tt, i.e. domestic transport cost is assumed as 9 % of domestic price of the imported goods.

c. Machinery & equipment

	Breakdown	C. factor	Product
Imported goods	0.94-0.03-0.03	1.000	0.88
F.Currency labour	0.05	1.000	0.05
Domestic goods	0.03	SCF (0.912)	0.027
Skilled labour	0.01	CFC (0.900)	0.009
Transfer items	0.03		1999 - 1 <b>0</b>

Conversion factor of c 0.966

Note. T1 is assumed as 3% of domestic price of imported goods. Tt is assumed as 3% of domestic price of imported goods.

d. Vehicles

and a state of the second s Second second	Breakdown	C. factor	Product
Imported goods	0. 92-0. 03-0. 03	1.000	0.86
Exported goods	0.08+0.03	1.000	0.10
Domestic goods	0. 03-0. 03	SCF (0.912)	0
T. items	0. 03	0	0
	Conversion factor of d	l 0.96	
Note. T1, Tt is	equal to c.		

e. Engineering/Training fee

•		in dia a	Breakdown	C. factor	Product
F.	currency	labour	1	1.000	1.000
* *		Cor	version factor of	e 1.000	

f. Pre-operational cost

	Breakdown	C. factor	Product
Imported goods	0.08-0.03-0.03	1.000	0.02
Exported goods	0.07+0.03	1.000	0.1
Domestic goods	0.33+0.03-0.03	SCF (0.912)	0.301

Skilled labour	0.44 CFC	(0.900)	0.396
	0.08 0.7×C		
T. items	0.03	• <b>0</b>	0
Conv	ersion factor of f 0.867		
Note. T1, Tt is equa	l to c.		

g. Contingency				
	Share in	Breakdown	C. factor	Product
	fixed capital			
input a	0.9	0.009	0.854	0,008
b	18.6	0.195	0.924	0.180
c	64.1	0.673	0.966	0.650
d	1.3	0.014	0.960	0.013
е	9.3	0.098	1.000	0.098
- <b>f</b>	1.0	0.011	0.867	0.010
Total	95.2	1,000		

Conversion factor of g 0.959

Working capital, Cash

	Share in	Breakdown	C. factor	Product
	fixed capital			
Operatio-				
nal cost				
а	18.8	0.341	0.890	0.303
b	12.6	0.228	0.967	0.220
С	0.1	0.002	0.967	0.002
d	7.0	0.127	0.912	0.116
е	8.3	0.150	0.912	0.137
$\mathbf{f}_{\mathrm{constraint}}$	0.5	0.009	0.912	0.008
g	3.8	0.069	0.833	0.057
h	3.2	0.058	0.967	0.056
i	0.9	0. 016	0.912	0.015
Total	55.2	1.000		
	Conversi	on factor of Cas	h 0.914	
	an a	n an		- · · ·

# Table 4 Conversion factors for operational cost

a. Raw material

Breakdown C. factor Product

<ul> <li>Let Market and States and States and States</li> </ul>		an an an taona taon 1975 a			
Imported goods	0. 49-0. 11-0. 03	1,000		0, 35	• • • •
Exported goods	0.51+0.03	1,000		0.54	
Domestic goods	0.03-0.03	SCF (0.912	<b>;)</b>	0	
T. items	0.11	9268) <sup>(1</sup> . <b>0</b> . 2 <sup>1</sup> .		0	•
Con	version factor of a	0.89			19
Note. As for T1, Tt,	same assumption as	s capital cost c.	was made	in operat	tional

cost.

### b. c. Auxiliary/Packing material

	Breakd	lown	C. factor		Product
Imported good	s 1.00-0.0	3-0.03	1.000	teres a	0.94
Domestic good	s 0.0	3 SCI	F (0.912)		0.027
T. items	0.0	3	0		0
e de la composition d	Conversion fac	ctor of b.c 0.9	67		

### d. e. f. Power/Fuel/Water charge

	Breakdown	C. factor		Product
Domestic	goods 1.000	SCF (0.912)	e e g	0.912
· · · · ·	Conversion factor of	d.e.f 0.912		•

### g. Labour cost

	Breakdown	C. factor	Product
Skilled labour	0.75	CFC (0.900)	0.675
Unskilled labour	0.25	0.7xCFC (0.900)	0.158
Con	nversion factor o	ofg 0.833	

### h. Maintenance cost

	Breakdown	C.factor	Product
Imported goods	1.00-0.03-0.03	1.000	0.94
Domestic goods	0.03	SCF (0.912)	0.027
T. items	0.03	0	0
Co	nversion factor of h	0.967	

### Conversion factor of h

i. Overhead cost

This is same as that of the above d,e,f, that is 0.912.

#### Table 5 Conversion factors for benefit

a. Every year's benefit (Sales revenue)

		Breakdown	C.factor	Product
Imp	orted goods	1.00-0.03-0.03	1.000	0.94

8

Domestic goods 0.03 SCF (0.912)	0.027
T. items 0.03	0
Conversion factor of a 0,967	

b. Benefit at final point of project, fixed capital

	Share in	Breakdown	C.factor	Product	
	fixed capital		n de la composition de La composition de la c		
Capital	$\begin{array}{ccc} & & & \\ & & & & \\ & & & \\ & & & & \\ & & & & \\ & & & & \\ & & & & \\ & & & & \\ & & & & \\ & & & & \\ & & & & \\ & & & & \\ & & & & \\ & & & &$			• · .	
				0.854	0.043
∥ b	18.6	n de la construcción de la constru La construcción de la construcción d	0.75	0. 924	0.878
Total	19.5		1.000		
	Conversion	factor of b	0.921		

c. Benefit at final point of project, working capital Same as above Working capital, cash, that is, 0.914

7-1-3 Calculation of NPV and ERR

a de la sere e

Benefit and cost flow of table 1 by market price shall be changed into benefit and cost flow by economical price by using the above conversion factor for each item. This is indicated in table 6.

ERR is found out to be 17.1% from this. On the other hand, NPV is found out to be 226.7 million NRs, using the discount ratio of opportunity cost of capital (10.5%) and supposed interest rate for the long term debt to the Government companies (10.5%), resulting fully large figure of NPV. (Table 7)

7-2 Indirect Benefit of the Project

7-2-1 Foreign Currency Saving Effect

In case this Project is realized, it will replace the import of the fabrics equal to its production and sales quantity, saving like this Nepali foreign currency (though it is fairly doubtful the absolute import quantity of fabrics would be decreased, viewing from the chronic shortage of textile goods in domestic market). Here, the amount to replace the import is found after multiplying c.i.f. price (with transport cost from Calcutta) to the yearly productive quantity of the Project. The c.i.f. price is on the basis of mean price of fine and thick fabrics, because the productive amount of this two types of fabrics in the Project is fifty-fifty. From this amount, foreign portion of operatinal cost is deducted and raw cotton amount to replace the import is added to it(As import price of raw cotton, 35 cent/1bs,New York mardet price of SLM class

at the moment of July 1986 is adopted). The outcome of calculation in present value throughout the project life is shown in table 8. Total amount of foreign currency saving amounts to about 1,200 million rupees. As real project life is longer than that of financial purpose, further more currency will be saved. (In this calculation, foreign portion of capital cost is not considered and the saving is limited to the operation years)

### 7-2-2 Backward and Forward Effects

Textile goods are included in basic need items to change from the import into auto-sufficiency of HMG policy. For this purpose, the industrial structure of textile field should be accomplished as early as possible. Considering textile industry circumstances in Nepal where it has not been so long since only one integrated textile mill was established, what should be expedited is diffusion and betterment of technology and experience in textile field. This Project, as a model plant for textile technology because of posse-ssing the equipment with most advanced textile processing technology, can be expected to play an important role for bringing up technical experts and skilled technicians.

The Project site area is industrially less developed, so the foundation of the mill will bring about a regional development effect. Benefits generated in the area will be used again in the same area, causing thus recycle of benefit and small industries such as iron works, engineering works and service industries are expected to be founded.

Textile industry (spinning and weaving) has the features of labour intensive industry and has larger opportunities to employ unskilled labours, thus contributing to the increase of employment opportunities at the same time the equitability of income distribution by income increase of the low income class. It cannot be said there is no significance to attribute the reason of choice of a project to the contribution to the achievement of social justice like re-distribution of income, increment of employment and sovereign independence of textile industry.

 Table 6
 Cost & Benefit in Economical Price

	, ·			13010 0	- COM C	Denterne m	LCONUMICA		1. 29	e tet e e			
			• • •						Un	it:	NRe'	Milli	
	-2/1	1	2	3	4	5	6	7	8	9	10	11	Total
T CADITAL COOT	- 27 1		L	3	4	0	U		<b>o</b>	5	10	11	
I. CAPITAL COST						in the second							
1.Fixed Capital	r c						. :						5.6
Land levelling cost	5.6												· · ·
Construction cost	125.9										-	: •	125.9
Machinery & equipment	453.2												453.1
Vehicles & furnitures	9.0		·						·.				9.
Engineering & training fee	67.7			1						1			67.
Preoperational cost	6.6												6.
Coutingency	33.4								ange an an an L				33.
Sub Total	701.4				* . I						·   1	1 · · ·	701.
2.Working Capital		23.8	15.3										39.
Total	701.4	23.8	15.3										740.
	· · · ·												
I. OPERATIONAL COST		· .									n Alexandria Alexandria		
Raw material		27.6	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	521.
Auxiliary material		20.5	36.3	36.3	36.3	36.3	36.3	36.3	36.3	36.3	36.3	36.3	383.
Packing material		0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	3.
Power charge		9.5	19.1	19.1	19.1	19.1	19.1	19.1	19.1	19.1	19.1	19.1	200.
Fuel charge		11.3	22.6	22.6	22.6	22.6	22.6	22.6	22.6	22.6	22.6	22.6	237.
Water charge		0.6	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	13.
Labour expense		7.1	9.1	9.1	9.1	9.1	9.1	9.1	9.1	9.1	9.1	9.1	98.
Maintainance expense		2.0	5.0	8.1	10,1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	95.
Overhead expense		2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	27.
Total		81.3	145.6	148.7	150.7	150.7	150.7	150.7	150.7	150.7	150.7	150.7	1,581.
						· ·		·	· · · ·				
II. BENEFIT										n de la composición d La composición de la c			
Sales revenue		174.4	353.7	353.7	293.8	293.8	293.8	293.8	293.8	293.8	293.8	293.8	3,232.
Salvage fixed capital												62.2	62.
Salvage working capital												39.0	39.
Total		174.4	353.7	353.7	293.8	293.8	293.8	293.8	293.8	293.8	293.8	293.8	3,333.

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## Table 7 Economical Internal Rate of Return

Unit: Border NRs' Million

	YEAR	BENEFIT	COST Capital O	perational	NET BENEFIT	DISCOUNT Factor		DISCOUNT Factor	NET Present
		III	Cost C I	ost II	111-1-11	17.093\$		10.5%	VALUE
	-2/1	174.4	701.4		-701.4	1.000000	-701.400	1.000	-701.4
	1	353.7	23.8	81.3	69.3	0.854022	59.184	0,905	62.7
• . •	2	353.7	15.3	145.6	192.8	0.729354	140.619	0.819	157.9
·	3	293.8		148.7	205.0	0.622884	127.691	0.741	151.9
	4	293.8		150.7	143.1	0.531957	76.123	0.671	96.0
	5	293.8		150.7	143.1	0.454303	65.011	0.607	86.9
	6	293.8		150.7	143.1	0.387985	55.521	0.549	78.6
·	7	293.8		150.7	143.1	0.331347	47.416	0.497	71.1
·	8	293.8		150.7	143.1	0.282978	40.494	0.450	64.4
	9	293.8		150.7	143.1	0.241669	34.583	0.407	58.2
	10	293.8		150.7	143.1	0.206391	29.535	0.368	52.7
	11	293.8 101.2		150.7	143.1	0.176262	25,223	0.333	47.7

E.R.R. = 17.0930% TOTAL = 0

226.7

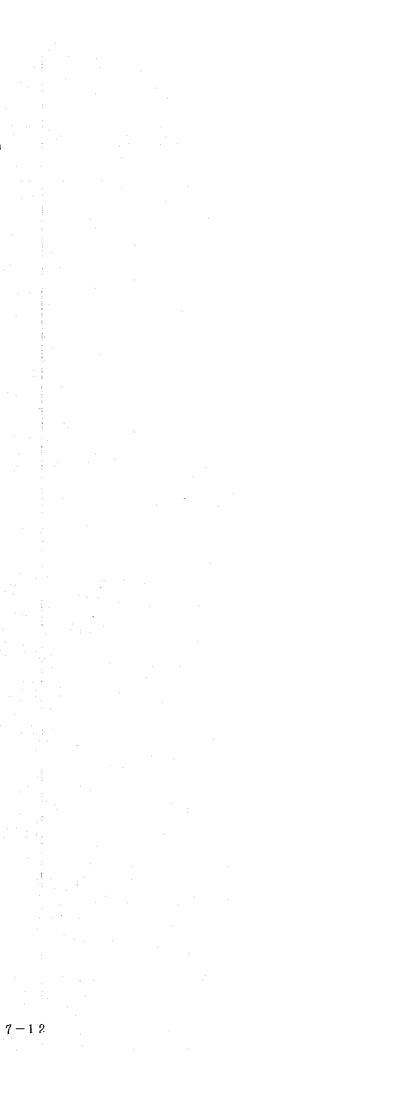


 Table 8
 Foreign Currency Saving Effect

	Replacem	ent of Tex	ctile Impor	rt (A)	I	nput Using	, Foreign	Currency	<b>(</b> B)	· · · · ·			Replaceme	nt of (
		c.i.f.	Discount							Repayment				INY M
Year/Item		Border	Factor	Present	Polyester	Auxiliary	Facking	Mainten.	Fuel	&		Present		¢ 35
a 1 .	Th. m	040NRs	10%	Value	Fibre	Material	Material	Expense	Oil, etc.	Interest	Total	Value	Th. Lbs	=7.4
1	5,000	200	1.000	200	15	21	2	2	13	81	134	134	1,400	
2	10,000	400	0.909	364	27	38	3	5	26	156	255	232	2,500	
3	10,000	400	0.826	330	27	38	3	8	26	148	250	207	2,500	
4	10,000	400	0.751	300	27	38	3	9	26	140	243	182	2,500	
5	10,000	400	0.683	273	27	38	3	9	26	132	235	161	2,500	
6	10,000	400	0.621	248	27	38	3	9	26	124	227	141	2,500	
7	10,000	400	0.564	226	27	38	3	9	26	115	218	123	2,500	
8	10,000	400	0.513	205	27	38	3	9	26	107	210	108	2,500	
	10,000	400	0.467	187	27	38	3	9	26	99	202	94	2,500	an in the second s
10	10,000	400	0.424	170	27	38	3	9	26	91	194	82	2,500	
11	10,000	400	0.386	154	27	38	3	9	26	83	186	72	2,500	
Total		4,200		2,657							2,354	1,536		2

(Unit: NRs' 000)									
cement of Cotton Import(C)									
· · · ·	NY Market		Foreign						
n de la composition Notae de la composition de la compositio	¢ 35	Present	Currency						
bs	=7.4 NRs	Value	A-B+C						
.400	10	10	76						
500	19	17	149						
500	19	16	139						
,500	19	14	132						
,500	19	13	125						
,500	19	12	119						
,500	19	11	114						
500	19	10	107						
500	19	9	102						
500	19	8	96						
500	19	7	89						
	200	127	1,248						

7 - 1 3

# Chapter 8. CONCLUSION AND RECOMMENDATION

8-1 Conclusion			
8-1-1 Site Location		 	8 — 2
8-1-2 Summary of the P			
8 - 1 - 3 Implementation Science			
0 - 1 - 3 minimized of	incutic		<b>č</b>

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### 8. CONCLUSION AND RECOMMENDATION

#### 8-1 Conclusion

It was clarified that 6th Plan started in 1980/81 has attained its target relating to growth rate of agricultural sector and to GDP, although non-agricultural sector growth rate and income per capita came short of its targets. Industrial investments in public and private sectors were driven in 6th Plan and some of national projects initiated their construction and operation in 6th Plan and remaining carried over to 7th Plan.

Regional development plan, an important national stragegy, has the primary objective of removing regional imbalances in economic and development phases by local resources movilization and exploitation of regional development potentials and is also taken over to the 7th Plan in harmony with Decentralization Policy.

Fibres and textiles are regarded as one of commodities of people's minimum basic needs and designated as one of items to be self-supplied at 2,000 A.D together with food, shelter, education, medicines. According to this, MOI has established a concrete guideline for its materialization.

Under such circumstances as above, detailed study has been developed in this Report to analyze the feasibility of an integrated textile mill on the basis of supply and demand forecast, production scale and items and technical design of the Project.

이 사실을 하는 것은 것은 것을 많은 것을 수 없는 것을 하는 것을 하는 것을 수 있다. 것은 것을 가지 않는 것을 하는 것을 수 있다. 것을 하는 것을 하는 것을 하는 것을 하는 것을 수 있다. 이 가지 않는 것을 수 있다. 이 가 지 않는 것을 수 있다. 이 가 지 않는 것을 수 있다. 이 가 있는 것을 수 있다. 이 하는 것을 수 있다. 아니 것을 수 있다. 이 하는 것을 수 있다. 아니 것을 수 있다.

The survey and analysis on production items of new mill concludes that products should:

- Replace imported goods and avoid competition with products of existing mills.
- Be highly graded items with high quality and value added.
- Contribute to growing up of cotton cultivation as well as make the most of lint cotton expected to be surplus in the future.
- Be qualified as exportable items as well because of its excellent quality
- Be fabrics with easy care and durability to cope with future market needs. Items satisfying the above are not anything but cotton and polyester blended fabrics.

On the other hand, the production quantity and equipment scale to be considered are subject to the following conditions:

Water and power to be required can be supplied enough and to spare.

Manpower to be required must coincide with technical level and manpower recruitable

near the project area.

Production equipment aims at less costive and high-value added products.

Under the above conditions, the scale of mill to be run economically in financial and management aspects is that of about 10 million meters production per year of bleached and dyed fabrics.

The new mill producing the above items in above quantitie shall be much counted on by virtue of its modernized equipment and advanced production and control technology, avoiding the competition with products of existing mills. It is concluded that the new mill can be assessed as viable from the financial and economic viewpoints as well.

### 8-1-1 Site Location

It is recommended to locate the site about 2.5km west from Lamahi in Mid-Western area for its development to be promoted, not so far from cotton cultivation area in Terai.

Water for industrial use to be consumed about 100 ton per day can be collected from Arjun River passing by the site. Power, another factor more important, is supposed to receive 3,000KW through 33KV feeder from Lamahi Substation under construction.

Extension of the site area is about 47,000 square metre. The building to land ratio is about 42%.

### 8–1–2 Summary of the Project

1) Production quantities and items in the second se

For the new project to pay, it should produce high-quality and highly value added fabrics enabling import replacement by an integrated productive line from spinning to finishing.

Production quantity:

Bleached and dyed fabrics blended with 50%

polyester and 50% cotton: 10, 300, 000 m/year Production item:

Shirting	(dobby)	1.1	2, 560, 000m/year
Shirting	(plain)		2,740,000m/year
Suiting		- 	2, 620, 000m/year
Twill	anton Anton		2, 380, 000m/year

Annual operating hours:

24hr x 330day=7,920hr

#### 2) Production facility

This shall be the equipment enabling an economical and stable operation by dint of

advanced technology and easy control system in fairly simplified production process. Spinning process: Ring spinning frame 15,360 spindles Weaving process: Rapier weaving machine 308 Dyeing and finishing process: Bleaching and dyeing 1 set

3) Total area for the building

16, 337 m <sup>2</sup>
1,556 /
825 1/
1,099 🥢
19,817 //

### 8–1–3 Implementation Schedule

The longer the construction terms are, the larger the investment amount becomes, therefore, the construction schedule was established in as short term as possible. It shall be 2 years from the contract till the completion with the premise of a full turn key contract basis. It shall take one year from the start up after test run and acceptance of the mill till the full oneration.

8–2 Recommendation

Our views relating to matters to be considered during the construction and operation of the mill are shown below.

1) Cultivation of national cotton

The Project contemplates consuming as much as possible national cotton, expansion plan of which is aided by finance of ADB. Consumption of national cotton is calculated as 1,160 ton annually and normal and stable operation of the Project depends upon a great deal whether cotton is always supplied in required quantity with required quality, for which the endeavour to enhance the production and quality of cotton is required.

2) Procurement of polyester fibre

Fibre consumption at normal operation is 920 to 930 ton per year. Fibre manufacturer to place purchase orders had better be fixed in one, because if this is purchased from various makers, dyeing property of each fibre differs from each other, bringing about troublesome lot distinction in dyeing process and thus hindering normal and smooth operation of the mill. As for the procurement of polyester fibre, it will be suggested to procure from a manufacturer which can offer cheaper price and stable supply among fibre productive countries being proud of stability of quality and good spinning property and having surplus power of production quantity, considering well the table 9 of 3-3-2.

3) Achievement of efficient operation

It is necessary to increase the rate of operation by introducing continuous operation system by 3 shifts of 4 groups in order to upgrade the productivity and reduce the burden by depreciation. Because of that, no one should overlook the importance of education and instruction to labourers not only for their job but for their daily life.

4) Education and training of technical personnel.

It is desirable that technical personnel of the Project take part in the Project from an earlier stage, that is, in the project planning and engineering work, because high technique of mill management is required immediately after the mill completion. In this connection, it is of paramount importance to keep on at least for 2 or 3 years education and training on required technology to them, even after the projected training period contemplated in the initial investment is over.

5) Possibility of the project implementation in parted stage

With a view to progress smoothly and effectively the training of technicians and to minimize difficulties of the control and management of the Project, the implementation of the project is suggested to be devided into 2 phases. Criteria for the division are many and if this is to be carried out, most effective way should be adopted with sufficient analysis in advance.

6) Diversification of product's design

In the event that it will become necessary to diversify the designs of products in order to add further values, once the mill is constructed and everything goes on smoothly, it is suggested to study the introduction of a yarn dyeing facility of small size.

### 7) Power supply

Most important key for the smooth operation of the Project is if power required for the mill can be supplied surely and as planned. It will be necessary to follow up and get confirmation of the completion of the Transmission line project in which Lamahi substation is involved.

8) Telecommunication media

UHF radio communication system will be necessary from the start of construction, since there is no telecommunication system such as telephone and telegramme in Lamahi area. Procedure or application for permission of the work for connecting this with the existing telephone line had better be started in earlier stage.

### 9) Taxation and incentives

It will be important for the Project to be favoured with further tax incentives.

8.----

Constructive measures are desirable against sales tax of 20% to be levied on from the first year of operation and excise duty to be levied on from the 4th year.

# ANNEX

- (Addition upon request of HMG/N)
- 1. Sensitivity Analysis (Case 9-1, 2)
  - Using variables of new interest rate, sales revenue and tax system
  - 2. Financial Statement Calculated by new Corporate Tax (for Government Corporations)

1. Sensitivity Analysis (Case 9-1, 2) [Variable]

- \* Interest of long term loan 14.5%
- \* Sales revenue 24% up

- \* New excise duty and sales tax
- [Premise]
  - \* Interest during construction (14.5%)

(1)	Case 9-1	(Loan 100%)
	(Foreign)	1st year of construction
e Statyje	a Ali tana amin'ny	(662, 345×14.5%×1/2)
• .	· ·	2nd year of construction
		(662, 345+48, 020×14.5%)

	Total	151,023
et e g		·.
(Local)	1st year of construction	5,000
· .	(68,961×14.5%×1/2)	- j
	2nd year of construction	10, 724
	(68, 961+5, 000+14.5%)	
an di ang Nga katang di	Total	15, 724

(Total)

NRs 166, 747, 000

(2) Case 9-2 (Equity portion 20%) (Foreign) 115, 783 (Local) 15,724 (Total) NRs 131, 507, 000

Necessary fund (Table 1, 2) Initial investment

Interest during construction

Woking capital

at in	NRs	731, 306, 000
· · · ·		26, 307, 000
(Case	9-1)	166,747,000
(Case	9 - 2)	131, 507, 000

48,020

103,003

A-1

Total

(Case	9 —	1)	924, 090, 000
(Case	9 —	2)	888, 850, 000

(Loan of Case 9-2 is NRs 734, 295, 000)

\* Repayment schedule (Table 3 to 7)

(Breakdown of loan principal)

(1) Case 9-1
 (Foreign) 813, 368 (Initial investment 662, 345 + Interest during construction 151, 023)

(Local) 110, 722 (Initial investment 68, 961 + Interest during construction 15, 724 + Working capital 26, 037)

(Total) NRs 924,090,000

(2) Case 9 - 2

(Foreign) 623, 573 (Initial investment 507, 790 + Interest during construction 115, 783)

(Local) 110, 722 (Initial investment 68, 961 + Interest during construction 15, 724 + Working capital 26, 037)

(Total) NRs 734, 295, 000

\* Sales revenue (Table 8 to 10)

(Premise)

- Sales profit is established as 70% and sales revenue is increased by 24%, taking account

of recent retail price trend in the market.

- Excise duty is levied on from the first year of operation.

- Sales tax 20% is only levied on the polyester portion.

(Sales revenue)

 1st year 193, 350 + Sales of wastes 1, 602 = NRs 194, 952, 000

 2nd year 391, 853 +
 1, 205 = NRs 395, 058, 000

A-2

### [Outcome]

5-485

Item Case	Case 9-1	Case 9-2
BEP in the 6th year	71.7%	64.1 %
Payout period	4 year 6 months	4 year 3 months
DSR in the 6th year	1.36	1.71
IRR	18.3 %	20.5 %
NPV discounted by 10.5 % " 14.5 %	NRs 365,163,000 NRs 172,257,000	NRs 457,254,000 NRs 255,104,000
Return on sales revenue (On an average of 11 years) — Operating profit	42.4 %	42.4%
– Income before tax – Income after tax	17.8 % 14.5 %	23.2 % 19.9 %

Financial statements are shown in table 11 to 18.

### 2. Financial Statement

calculated by new Corporate Tax (for Government Corporations) Refer to table 19 to 26.

Item         Before Operation (2 year)         After Operation (1st year)         Total         Ration (5)           Capital Requirement         Fixed Capital         6,548         7,555         6,64         10,444         4,194	Item         Bactore Operation (2 year)         After Operation (1st year)         Total         Xation (%)           Capital Requirement         Excer Operation (2 year)         After Operation (1st year)         Total         Xation (%)           Fixed Capital         Land Leveling         6,548         7,5194         10,648         14,561         13,551         10,648         14,561         13,551         10,56         14,561         13,555         10,56         14,561         13,555         10,56         14,561         13,555         10,56         14,561         14,561         15,561         15,561         14,561<		
6,548         6,548         6,548         6,548         6,548         6,548         6,548         6,548         6,548         6,548         6,548         6,548         6,548         6,548         73,010         13,016         13,016         13,016         13,016         13,016         13,016         13,016         13,016         13,016         13,016         13,016         13,016         14,194         14,194         14,194         14,194         14,194         14,194         14,194         14,194         14,194         14,194         13,755         3,756         3,756         3,757         3,757         3,757         3,757         3,757         3,775 <t< th=""><th>그는 것은 것은 것이 있는 것이 이 것을 많은 것이 있는 것이 있는 것이 없다. 가슴 가슴</th><th></th><th>6,548 136,340 13,016 3,360 9,396 10,484 4,194 4,194 4,194 10,482 10,482 110,482 3,755</th></t<>	그는 것은 것은 것이 있는 것이 이 것을 많은 것이 있는 것이 있는 것이 없다. 가슴		6,548 136,340 13,016 3,360 9,396 10,484 4,194 4,194 4,194 10,482 10,482 110,482 3,755
6         548         6,548         7,306         39,4310         7,306         39,4310         7,306         7,306         9,396         9,375         8,375         1	그는 것 같았다. 지난 것 같은 것 같은 것 같은 것 같은 것 같은 것 같이 있는 것 같은 것 같		6,548 136,340 394,310 13,016 13,016 9,396 9,396 4,194 4,194 4,194 4,194
E         6,548         6,548         6,548         6,548         6,548         6,548         6,548         6,548         6,548         6,548         6,548         6,548         6,548         6,548         6,548         9,396         136,340         136,340         136,340         136,340         13,634         13,634         13,636         13,636         13,016         13,3016         13,3016         13,3016         13,3016         13,3016         13,3016         13,3016         13,3016         13,3016         13,3016         13,3016         14,351         3,355         33,555         33,555         33,555         33,757         34,791         34,791         34,791         34,791         34,791	한 것이 있는 것 같은 것 같은 것 같은 것 같은 것 같은 것 같은 것 같이 있는 것 같은 것 같은 것 같은 것 같은 것 같이 있는 것 같이 있는 것 같이 없는 것 같이 없는 것 같이 없다.		6,548 136,340 394,310 13,016 3,366 9,396 10,484 4,194 4,194 4,194 14,361 14,361 14,361
Cost         136,340         136,340         136,340         136,340         13,016         9,396         9,396         9,396         9,396         9,396         9,396         9,396         9,396         9,396         9,396         9,396         9,396         9,396         9,396         9,396         9,396         9,375         9,366         9,375         2,373,306         1,373,306         1,373,30	이 지수는 것 같아요. 이 가슴에서 가슴이 가슴에서 가슴에 가슴에 가슴에 가슴이 가슴이 가슴이 가슴에 앉아 있었다.		136,340 394,310 13,016 3,360 9,396 10,484 10,484 10,484 110,484 3,755
Equipment (F. O. B.)         394,310         394,310         394,310         394,310         394,310         394,310         13,016         13,016         13,016         13,016         13,016         13,016         13,016         13,016         13,016         13,016         9,396         9,396         9,396         9,396         9,396         9,396         9,396         9,396         9,396         9,396         9,396         9,396         9,396         9,396         9,396         9,396         9,395         9,396         9,395         9,395         9,395         9,396         9,395         9,395         9,395         9,395         9,395         9,395         9,395         9,395         9,395         9,375         3,755         8,25,488         3,7,575         3,37,	지수는 것 같은 것 같은 것 같은 것 같은 것 같이 많이 가지 않는 것 같은 것 같은 것 같이 있는 것 같 것 같이?		394,310 13,016 3,360 9,396 10,484 4,194 110,484 3,755
t [3,016] [3,016] [3,016] [3,016] [3,016] [3,016] [3,016] [3,016] [3,016] [3,016] [3,016] [3,016] [0,048] [10,484] [10,484] [10,484] [10,484] [10,484] [10,484] [10,484] [14,361] [0,484] [14,361] [3,755] [0,016] [3,755] [0,016] [3,755] [3,755] [0,017] [3,755] [3,	그는 그는 것 같아요. 그는 것 같아요. 그는 것 같아요. 그는 것 같아요. 이렇게 하는 것 같아요. 그는 것 같아요. 가지 않는 것 같아요. 것 같아요.		13,016 3,360 9,396 9,396 4,194 4,194 4,194 3,755 3,755
Ince         3,360         5,350         5,350         5,350         5,356         5,356         5,356         5,356         5,356         5,356         5,356         5,356         5,356         5,356         5,356         5,356         5,356         5,356         5,355         5,375         2,375         2,375         2,375         2,375         2,305 <th2< td=""><td>그는 것 같은 것 같은 것 같은 것 같은 것 같은 것 같이 있는 것 같은 것 같은 것 같은 것 같은 것 같이 있는 것 같이 있는 것 같이 있는 것 같이 있다.</td><td></td><td>3,360 9,396 9,396 10,484 4,194 4,194 14,361 14,361 3,755</td></th2<>	그는 것 같은 것 같은 것 같은 것 같은 것 같은 것 같이 있는 것 같은 것 같은 것 같은 것 같은 것 같이 있는 것 같이 있는 것 같이 있는 것 같이 있다.		3,360 9,396 9,396 10,484 4,194 4,194 14,361 14,361 3,755
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arge 10,484 10,484 10,484 4,194 4,194 4,194 4,194 4,194 4,194 4,194 4,194 6,194 14,361 3,755 3,755 25,488 25,488 25,488 25,488 25,488 25,488 25,488 25,488 25,488 25,488 25,488 25,488 25,488 25,488 25,488 25,488 25,488 25,488 25,037 7,57,343 37,575 37,575 25,037 757,343 757,345 756,037 756,037 757,377 954,977 757,345 757,357 757,990 756,990 756,900 756,900 756,900 756,900 756,900 756,900 756,9000	그는 그는 것 같아요. 그는 것 같은 것 같아요. 그는 것 같아요. 이렇게 있는 것 같아요. 그는 것 같아요. 그는 것 같아요. 것 같아요. 것 같아요.		10,484 4,194 14,361 3,755
4,194     4,194     4,194       portation     14,361     14,361       3,755     3,755     3,755       ee     2,488     2,5488       25,488     37,575     3,755       ee     37,575     3,757       37,575     30,106     3,757       al Cost     7,582     30,106       7,582     30,106     7,582       al Cost     7,582     30,106       7,582     30,106     7,582       al Cost     7,31,306     26,037       26,037     26,037     26,037       Foreign)     662,345     662,345       Local)     731,306     26,037       Art CAPITAL REQUIRED)     898,953     26,037       828,953     26,037     924,090	그 승규가 잘 들었다. 그는 것 같은 것 같아요. 이 것 같아요. 그는 것 같아요. 가지 않는 것 같아요. 것 같아요.		4,194 14,361 3,755
ontation         14,361         14,361         3,755         3,755         3,755         3,755         3,755         3,755         3,755         3,755         3,755         3,755         3,755         3,755         3,755         3,755         3,755         3,755         3,755         3,755         3,755         3,756         3,757         3,757         3,757         3,757         3,7,75         3,7,75         3,7,75         3,7,75         3,7,75         3,7,75         3,7,75         3,7,75         3,7,75         3,7,75         3,7,75         3,7,75         3,7,75         3,4,791         3,4,931         3,6,037         2,6,037 <td>그 방법에 가지 않는 것 같아요. 그 같이 많이 가지 않는 것 같아요. 그는 것 같아요. 한 것 같아요. 것 같아요.</td> <td></td> <td>14,361 3,755 2,755</td>	그 방법에 가지 않는 것 같아요. 그 같이 많이 가지 않는 것 같아요. 그는 것 같아요. 한 것 같아요. 것 같아요.		14,361 3,755 2,755
ee 25,488 37,575 37,55 37,578 25,488 25,488 25,488 25,488 25,488 25,488 25,488 25,488 25,582 37,575 30,106 37,575 30,106 77,582 37,758 30,106 77,582 34,791 306 77,582 34,791 306 77,758 77,545 75,357 75,375 75,375 75,375 75,397 75,390 75,345 75,345 75,345 75,345 75,345 75,345 75,345 75,345 75,345 75,345 75,345 75,345 75,357 75,397 75,390 75,397 75,390 75,397 75,390 75,397 75,390 75,397 75,390 75,397 75,390 75,397 75,390 75,397 75,390 75,397 75,390 75,397 75,390 75,397 75,390 75,397 75,390 75,397	지수는 것이 아니는 것이 있는 것이 같아. 이 것이 가지 않는 것이 가지 않는 것이 있는 것이 없는 것이 없다.		3,755
ee 25,488 25,488 25,488 25,488 37,575 37,575 37,575 30,106 77,582 37,575 30,106 77,582 37,757 343 77,582 30,106 75,582 34,791 75,582 34,791 75,582 34,791 24,791 26,037 75,7343 75,75345 26,037 75,7345 26,037 75,7345 26,037 75,7345 26,037 75,7345 AL CAPITAL REQUIRED) 898,053 26,037 26,037 924,090	그는 것 이 가슴에 있는 것 같아요. 그는 것 같아요. 가슴에 가슴에 안생님께 있는 것은 것은		COTIC
Tee     37,575     37,575       30,106     30,106     30,106       30,106     7,582     7,582       7,582     7,582     7,582       24,791     34,791     34,791       apital     731,306     26,037     731,306       Apital     731,306     26,037     757,343       Foreign     662,345     26,037     757,343       Foreign     662,345     26,037     757,343       Auceul     731,306     26,037     757,343       Aut CAPITAL REQUIRED)     898,053     26,037     757,345	그는 그는 것 같아요. 이 같아요. 이 같아요. 그는 것 같아요. 이 집에 집에 집에 집에 집에 집에 있는 것 같아요.		20,488
Il Cost a) 106 30,106 7,582 34,791 34,791 34,791 34,791 34,791 34,791 731,306 731,306 731,306 731,306 731,306 731,306 731,306 731,306 731,306 731,306 737,343 756,037 757,343 756,037 757,343 756,037 756,037 757,343 756,037 756,037 757,343 756,037 757,343 756,037 756,037 757,343 757,343 756,037 756,037 757,343 757,343 757,343 756,037 756,037 756,037 757,343 757,343 757,343 757,343 757,343 757,343 757,343 757,343 757,343 757,343 757,343 757,343 757,343 756,037 756,037 756,037 757,343 757,343 757,343 756,037 757,037 757,037 756,037 757,037 757,037 756,037 757,037 757,037 757,037 757,037 756,037 757,037 756,037 756,037 756,037 757,	그는 것 같아요. 이렇게 있는 것 같아요. 그는 것 같아요. 전문에 전문에 참 생활했다. 것 같아요.		37.575
al Cost 7,582 7,582 7,582 7,582 7,582 34,791 34,791 34,791 34,791 34,791 34,791 34,791 34,791 26,037 757,343 757,343 757,345 756,037 757,345 755,377 7524,9247 755,377 752477 75247777 752477777777777777777	그는 그 에 가는 데 위에 도 한 것은 것을 하지? 해전 영상을 찾았는지?		30,106
apital     34,791     34,791       Lepital     731,306     26,037     26,037       731,306     26,037     757,343       Foreign     662,345     26,037     757,343       Foceil     662,345     26,037     757,343       Foceil     731,306     26,037     757,343       AL CAPITAL REQUIRED     898,053     26,037     924,090	그 네 그는 이 편에 가 안 가 안 가 고려야 한 번 방법을 갖추었다.		7,582
Tapital     731,306     26,037     731,306       Tai,306     26,037     26,037     757,343       Foreign)     662,345     26,037     757,343       Foreign)     662,345     26,037     757,343       Local)     731,306     26,037     757,343       AL CAPITAL REQUIRED)     898,053     26,037     924,090	이 가지 않는 것 같은 것 같은 것 같이 있는 것 같아요. 것 같아요. 것 같아요.		34,791
26,037       26,037       26,037       26,037         757,343       26,037       757,343       662,345         Foreign)       662,345       26,037       94,998         Local)       731,306       26,037       757,343         AL CAPITAL REQUIRED)       898,053       26,037       924,090	그 왜 안해 다 같은 것은 것 같아요. 한 명하는 것은 것은 것을 수 있다.		
T31,306       26,037       757,343         Foreign)       662,345       662,345         Local)       662,345       94,998         Tocal)       731,306       26,037       94,998         AL CAPITAL REQUIRED)       898,053       26,037       924,090	[ 201] - 그는 그는 그는 그는 가지 않는 것 같아요. 그는 것은 것은 것을 했다.	26,037	
Foreign)       662,345       662,345         Local)       662,345       94,998         Total)       731,306       26,037       757,345         AL CAPITAL REQUIRED)       898,053       26,037       924,090		26,037	
Foreign)       662,345       662,345         Local)       68,961       26,037       94,998         731,306       731,306       26,037       757,343         AL CAPITAL REQUIRED)       898,053       26,037       924,090	그는 그는 것은 것을 하는 것을 하는 것을 하는 것을 수 있다. 것을 가지 않는 것을 수 있다.		
Foreign)     662,345     662,345       Local)     68,961     26,037     94,998       731,306     731,306     26,037     757,343       71     166,747     26,037     757,343       AL CAPITAL REQUIRED)     898,053     26,037     924,090	Long-term Loan (Foreign)662,345662,345Long-term Loan (Local)757,34594,998TOTAL701AL757,34594,998Ining Construction166,747166,747757,343ance of Loan (TOTAL CAPITAL REQUIRED)898,05326,037924,090Interest during construction is figured out on condition that total loans are borrowed in the middle of 1st year of the construction reciód.91,090Total amount of long-term loan is NRs 924,090,000 (NRs 757,343 + insterest 166,747).924,090106,747		
Local) 731,306 731,306 757,343 757,343 757,343 166,747 898,053 808,053 808,055			
757,343 166,747 AL CAPITAL REQUIRED) 898,053 26,037 924,090		26,037	
AL CAPITAL REQUIRED) 898,053 26;037	Iterest During Construction166,747166,747Balance of Loan (TOTAL CAPITAL REQUIRED)898,05326,037924,090ote : 1)Interest during construction is figured out on condition that total loans are borrowed in the middle of 1st year of the construction rection .2)7)2)Total amount of long-term loan is NRs 924,090,000 (NRs 757,343 + insterest 166,747).2)166,747)	26,037	
898,053	Balance of Loan (TOTAL CAPITAL REQUIRED)898,05326,037924,090ote : 1)Interest during construction is figured out on condition that total loans are borrowed in the middle of 1st year of the construction reriod.2)7)2)Total amount of long-term loan is NRs 924,090,000 (NRs 757,343 + insterest 166,747).56,03756,03756,037		166,747
	ote: 1) Interest during construction is figured out on condition that total loans are borrowed in the middle of 1st year of the construction regiod. 2) Total amount of long-term loan is NRs 924,090,000 (NRs 757,343 + insterest 166,747).	26,037	924,090
<ul> <li>e: 1) Interest during construction is figured out on condition that total loans are</li> <li>2) Total amount of long-term loan is NRs 924,090,000 (NRs 757,343 + insteres)</li> </ul>			26,037 26,037 26,037 26,037 26,037 26,037 t 166,747) t 166,747)

Table 2	Case 9-2 Capital Requirement & Disbursement Schedule	oursement Schedule	
			Unit: NRS'000
Item.	Before Operation (2 year)	After Operation (1st year)	Total Ration (%)
Capital Requirement			
Fixed Capital			
Land Levelling	6,548		6,548
Construcțion Cost	136,340		136,340
Machinery & Equipment (F. O. B.)	394,310		394,310
Ocean Freight	13,016		13,016
Marine Insurance	3,360		3,360
Vehicles & Auxiliary Equipment (C. I. F.)	9,396		9,396
Clearance Charge	10,484		10,484
Import Duty	4,194		4,194
Inland Transportation	14,361		14,361
Erection	3,755		3,755
Supervising Fee	25,488		25,488
Engineering Fee	37,575		37,575
Training Fee	30,106		30,106
Preoperational Cost	7,582		7,582
Contingency	34,791		34,791
Total Fixed Capital	731,306		731,306 96.6
Working Capital		26,037	26,037
TOTAL	731,306	26,037	757,343
Source of Fund			
Share Capital	-154,555		154,555 20.0
Long-term Loan (Foreign)	507,790		507,790 80.0
Long-term Loan (Local)	68,961	26,037	94,998
TOTAL	731,306	26,037	757,343 100.0
Interest During Construction	131,507		131,507
Balance of Loan	708,258	26,037	734,295
TOTAL CAPITAL REQUIRED	862,813	26,037	888,850

. . .

Note : 1) Interest during construction is figured out on condition that total loans are borrowed in the middle of 1st year of the construction period. 2) Total amount of long-term loan is NRs 734,295,000 (NRs 602,788 + insterest 131,507).

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Table 3 Repayment of Long Term Loans (Foreign currency)	Table 3	Repayment	of Long	<b>Term Loans</b>	(Foreign	currency)
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Case 9-1

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			, <u> </u>		(Unit: NRs' 00
Year	Installment	Principal	Principal Repayment	Balance Unpaid	Interest (14.5 %/Year)
-2/1		813,368	0	813,368	0
1			0	813,368	117,938.4
	1		40,668.4	772,699.6	58,969.2
2	2		40,668.4	732,031.2	56,020.7
	3		40,668.4	691,362.8	53,072.3
3	4	-	40,668.4	650,694.4	50,123.8
	5		40,668.4	610,026.0	47,175.3
4	6		40,668.4	569,357.6	44,226.9
	7		40,668.4	528,689.2	41,278.4
5	8		40,668.4	488,020.8	38,330.0
	9		40,668.4	447,352.4	35,381.5
6	10		40,668.4	406,684.0	32,433.0
	11		40,668.4	366,015.6	29,484.6
7	12		40,668.4	325,347.2	26,536.1
	13		40,668.4	284,678.8	23,587.7
8	14		40,668.4	244,010.4	20,639.2
	15		40,668.4	203,342.0	17,690.8
9	16		40,668.4	162,673.6	14,742.3
	17		40,668.4	122,005.2	11,793.8
10 ·	18		40,668.4	81,336.8	8,845.4
	19		40,668.4	40,668.4	5,896.9
11	20	· · · · · · · · · · · · · · · · · · ·	40,668.4	0	2,948.5
	Total		813,368.0		737,114.8

Remarks : 1) The principal shall be repaid in 20 equal semi-annual installments after the grace period of

3 years.

2) Interest during construction shall be included in the principal.

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 Table 4
 Repayment of Long Term Loans (Local currency)

Case 9-1

(Unit:	MDe	0001
(UIIII)	111/0	0001

Year	Installment	Principal	Principal Repayment	Balance Unpaid	Interest (14.5 %/Year)
-2/1		84,685	0	84,685	0
1		26,037	0	110,722	12,279.3
	1		5,536.1	105,185.9	8,027.3
2	2		5,536.1	99,649.8	7,626.0
	3		5,536.1	94,113.7	7,224.6
3	4		5,536.1	88,577.6	6,823.2
	5		5,536.1	83,041.5	6,421.9
4	6		5,536.1	77,505.4	6,020.5
	7		5,536.1	71,969.3	5,619,1
5	8		5,536.1	66,433.2	5,217.8
	9		5,536.1	60,897.1	4,816.4
6	10		5,536.1	55,361.0	4,415.0
	11		5,536.1	49,824.9	4,013.7
7	12		5,536.1	44,288.8	3,612.3
	13		5,536.1	38,752.7	3,210.9
8	14		5,536.1	33,216.6	2,809.6
	15		5,536.1	27,680.5	2,408.2
9	16		5,536.1	22,144.4	2,006.8
10	17		5,536.1	16,608.3	1,605.5
10	18		5,536.1	11,072.2	1,204.1
	19		5,536.1	5,536.1	802.7
11	20		5,536.1	0	401.4
	Total		110,722.0	·	96,566.3

Remarks : 1) The principal shall be repaid in 20 equal semi-annual installments after the grace period of

3 years.

2) Interest during construction shall be included in the principal.

# Table 5 Repayment of Short Term Borrowing

Case 9-1

		1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 -	Case 9-1		
					(Unit: NRs' 000
Year	Installment	Principal	Principal Repayment	Balance Unpaid	Interest (17.0 %/Year)
1		25,000	0	25,000	0
2		10,000	0	35,000	4,250
3		0	0	35,000	5,950
4		0	25,000	10,000	5,950
5		0	10,000	0	1,700
Total		35,000	35,000		17,850
	•		• • · · · · · · · · · · · · · · · · · ·		

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### Table 6 Repayment of Long Term Loans (Foreign currency)

Case 9-2

요즘 말에 나왔는?

(Unit: NRs' 000)

Year	Installment	Principal	Principal Repayment	Balance Unpaid	Interest (14.5 %/Year)
-2/1		623,573	0	623,573	0
1			0	623,573	90,418.1
	1		31,179.6	592,393.4	45,209.0
2	2		31,178.6	561,214.8	42,948.5
	3		31,178.6	530,036.2	40,688.1
3 . . 1	4		31,178.6	498,857.6	38,427.6
	5		31,178.6	467,679.0	36,167.2
1914 - 1914 - 1914	6		31,178.6	436,500.4	33,906.7
	7		31,178.6	405,321.8	31,646.3
5	8		31,178.6	374,143.2	29,385.8
	<b>9</b>		31,178.6	342,964.6	27,125.4
6	10	-	31,178.6	311,786.0	24,864.9
	11.		31,178.6	280,607.4	22,604.5
7	12		31,178.6	249,428.8	20,344.0
ji . jed	13		31,178.6	218,250.2	18,083.6
8	14		31,178.6	187,071.6	15,823.1
	15		31,178.6	155,893.0	13,562.7
9	16		31,178.6	124,714.4	11,302.2
	17		31,178.6	93,535.8	9,041.8
10	18		.31,178.6	62,357.2	6,781.3
	19		31,178.6	31,178.6	4,520.9
111. Agada	20		31,178.6	0	2,260.4
	Total				565,112.1

Remarks : 1) The principal shall be repaid in 20 equal semi-annual installments after the grace period of

- 3 years.
- 2) Interest during construction shall be included in the principal.

Table 7	Repayment	of Long Term Loans	(Local currency)
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Case 9-2

station de la composition de la composi Estation de la composition de la composit					(Unit: NRs' 000
Year	Installment	Principal	Principal Repayment	Balance Unpaid	Interest (14.5 %/Year)
-2/1		84,685	0	84,685	0
1		26,037	0	110,722	12,279.3
	1		5,536.1	105,185.9	8,027.3
2	· 2		5,536.1	99,649.8	7,626.0
·	3		5,536.1	94,113.7	7,224.6
3	4		5,536.1	88,577.6	6,823.2
	5		5,536.1	83,041.5	6,421.9
4	6		5,536.1	77,505.4	6,020.5
5	7		5,536.1	71,969.3	5,619.1
5	8		5,536.1	66,433.2	5,217.8
	9		5,536.1	60,897.1	4,816.4
6	10		5,536.1	55,361.0	4,415.0
· · ·	11		5,536.1	49,824.9	4,013.7
7	12		5,536.1	44,288.8	3,612.3
	13		5,536.1	38,752.7	3,210.9
8	14	·· .	5,536.1	33,216.6	2,809.6
	15		5,536.1	27,680.5	2,408.2
· . 9	16		5,536.1	22,144.4	2,006.8
1.1	17		5,536.1	16,608.3	1,605.5
10	18		5,536.1	11,072.2	1,204.1
	19	•	5,536.1	5,536.1	802.7
11	20		5,536.1	0	401.4
	Total		110,722.0	_	96,566.3

Remarks : 1) The principal shall be repaid in 20 equal semi-annual installments after the grace period of

3 years.

2) Interest during construction shall be included in the principal.

 Table 8
 Selling Cost and Price

·. · ·						 			. <b>(</b> Ui	nit: NRs/m)
	Items	Manufac- turing Cost NRs/m (A)	Profit (70 %) A×0.3=(B)	Transporta- tion, etc. (3%) A×0.03=(C)	Excise Duty (D)	Sales Tax (20 %) (E) A+B+ C+Dx0,2X½	Sales Price (22.5 %) (F) A+B+C +D+E	Retail Price (22.5 %) Fx1.225	Market Price of Imported Goods	Imported goods CIF Calcutta
1.	Shirting Bleach	ed 12.01	8.41	0.36	2.94	2.37	26.09	31.96	60	20.5
÷.,	Plain Dyed	15,01	10.51	0.45	2.94	2.89	31.80	38.96	65	22.5
2.	Shirting Bleach	ed 13.68	9.58	0.41	2.94	2.66	29.27	35,86	60	20.5
	Dobby Dyed	17.17	12.02	0.52	2.94	3.27	35.92	44.00	65	22.5
3.	Suiting Bleach	ed 22,05	15.44	0.66	6.93	4.51	49.59	60.75	_	
-	Dyed	27.47	19.23	0.82	6.93	5.45	59.90	67.83	125 ~ 220	43 ~ 75
4:	Twill Bleach	ed 24.97	17.48	0.75	7.14	5.03	55.37	67.83	-	-
	Dyed	31.09	21,76	0.93	7.14	6.09	67.01	82.09	125~	43~

		<u> </u>			· · · · · · · · · · · · · · · · · · ·		
	Item	Produc- tion	Sales Price	Sales Amount	Excise Duty	Sales Tax	Net Sales Amount
Kind	Unit ass	Th,m /Year	NRs/m	(A) NRs'000	(B NRs'		(A) - (B) NRs'000
Shirting Plain Bleachcd	A B, C	130 7	26.09 13.05	3,392 91	403	325	2,755
Shirting Plain Dyed	A B, C	1,176 62	31.80 15.90	37,397 986	3,640	3,578	31,165
Shirting Dobby Bleached	A B, C	142 8	29.27 14.64	4,156 117	441	399	3,433
Shirting Dobby Dyed	A B, C	1,278 67	<u>35.92</u> 17.96	45,906 1,203	3,954	4,398	38,757
Suiting Bleached	A B, C	<u>114</u> 6	49.59 24.80	5,653 149	832	541	4,429
Suiting Dyed	A B, C	1,026 54	59.90 29.95	61,457 1,617	7,484	5,886	49,704
Twill Bleached	A B, C	<u>114</u> 6	55.37 27.69	6,312 166	857	604	5,017
Twill Dyed	A B, C	1,059	67.01 33.51	70,964 1,877	7,961	6,790	58,090
Total	••••••••••••	5,305	<u> </u>	241,443	25,572	22,521	193,350

 Table 9
 Yearly Sales Revenue for 1st Year after Operation

 Table 10
 Yearly Sales Revenue for 2nd-11th Year after Operation

		· .		<u>_</u>		1. 1. 1. <u>1. 1. 1.</u>	
	Item	Produc- tion	Sales Price	Sales Amount	Excise Duty	Sales Tax	Net Sales Amount
Kind Cl	Unit ass	Th.m /Year	NRs/m	(A) NRs'000	(B) NRs'		(A) – (B) NRs'000
Shirting Plain Bleached	А В, С	252 8	26.09 13.05	6,575 104	764	616	5,299
Shirting Plain Dyed	A B, C	2,268 70	31.80 15.90	72,122	6,874	6,757	59,604
Shirting Dobby Bleached	A B, C	266 8	29.27 14.64	7,786 117	806	729	6,368
Shirting Dobby Dyed	A B, C	<u>2,396</u> 74	35.92 17.96	86,064 1,329	7,262	8,077	72,054
Suiting Bleached	<u>А</u> В, С	260 8	<u>49.59</u> 24.80	<u>12,893</u> 198	1,857	1,209	10,025
Suiting Dyed	A B, C	2,337 72	59.90 29.95	139,986 2,156	16,694	13,129	112,319
Twill Bleached	A B, C	237 7	<u>55.37</u> 27.69	<u>13,123</u> 194	1,742	1,227	10,348
Twill Dyed	A B, C	2,129 66	67.01 33.51	142,664 2,212	15,672	13,368	115,836
Total	· · · · · · · · · · · · · · · · · · ·	10,458		488,636	51,671	45,112	391,853

# Table 11 Proforma Income Statement (Case 9-1)

											(Uni	t:NRs1	,000)
		1	2	3	4	5	6	7	8	9	10	11	Total
A. Revenue		194,952.0	395,058.0	395,058.0	395,058.0	395,058.0	395,058.0	395,058.0	395,058.0	395,058.0	395,058.0	395,058.0	4,145,532.0
B. Raw Material Cost		30,973.0	55,473.0	55,473.0	55,473.0	55,473.0	55,473.0	55,473.0	55,473.0	55,473.0	55,473.0	55,473.0	585,703.0
C. Variable Cost	. *	44,873.0	84,873.0	84,873.0	84,873.0	84,873.0	84,873.0	84,873.0	84,873.0	84,873.0	84,873.0	84,873.0	893,603.0
Auxiliary Material	1. A.	21,182.0	37,527.0	37,527.0	37,527.0	37,527.0	37,527.0	37,527.0	37,527.0	37,527.0	37,527.0	37,527.0	396,452.0
Packing Material	an An Anna Anna Anna Anna Anna Anna Anna	160.0	283.0	283.0	283.0	283.0	283.0	283.0	283.0	283.0	283.0	283.0	2,990.0
Pover Charge		10,429.0	20,858.0	20,858.0	20,858.0	20,858.0	20,858.0	20,858.0	20,858.0	20,858.0	20,858.0	20,858.0	219,009.0
Fuel Charge	1. 1. 1. 1.	12,413.0	24,827.0	24,827.0	24,827.0	24,827.0	24,827.0	24,827.0	24,827.0	24,827.0	24,827.0	24,827.0	260,683.0
Water Charge	·	689.0	1,378.0	1,378.0	1,378.0	1,378.0	1,378.0	1,378.0	1,378.0	1,378.0	1,378.0	1,378.0	14,469.0
D. Fixed Cost		79,757.0	85,229.0	88,384.0	90,448.0	90,448.0	88,836.0	88,836.0	88,836.0	88,836.0	88,836.0	31,515.0	909,961.0
Labour Expenses	· .	8,541.0	10,901.0	10,901.0	10,901.0	10,901.0	10,901.0	10,901.0	10,901.0	10,901.0	10,901.0	10,901.0	117,551.0
Maintenance Expenses		2,100.0	5,220.0	8,375.0	10,439.0	10,439.0	10,439.0	10,439.0	10,439.0	10,439.0	10,439.0	10,439.0	99,207.0
Depreciation		66,450.0	66,434.0	66,434.0	66,434.0	66,434.0	64,822.0	64,822.0	64,822.0	64,822.0	64,822.0	7,501.0	663,797.0
Overhead Expenditure		2,666.0	2,674.0	2,674.0	2,674.0	2,674.0	2,674.0	2,674.0	2,674.0	2,674.0	2,674.0	2,674.0	29,406.0
E. Manufacturing Cost	(B+C+D)	155,603.0	225,575.0	228,730.0	230,794.0	230,794.0	229,182.0	229,182.0	229,182.0	229,182.0	229,182.0	171,861.0	2,389,267.0
F. Operating Profit	(A-E)	39,349.0	169,483.0	166,328.0	164,264.0	164,264.0	165,876.0	165,876.0	165,876.0	165,876.0	165,876.0	223,197.0	1,756,265.0
G. Financial Charges	ана. 1917 — 1917 — 1917 — 1917 — 1917 — 1917 — 1917 — 1917 — 1917 — 1917 — 1917 — 1917 — 1917 — 1917 — 1917 — 1917 —	130,217.7	134,893.2	123,193.9	109,794.6	92,145.3.	77,045.9	63,646.7	50,247.4	36,848.1	23,448.8	10,049.5	851,531.1
Interest on L-T Debt		117,938.4	114,989.9	103,196.1	91,402.2	79,608.4	67,814.5	56,020.7	44,226.9	32,433.1	20,639.2	8,845.4	737,114.8
(Forign 14.5%)													
Interest on L-T Debt		12,279.3	15,653.3	14,047.8	12,442.4	10,836.9	9,231.4	7,626.0	6,020.5	4,415.0	2,809.6	1,204.1	96,566.3
(Local 14.5%)													
Interest on S-T Debt			4,250.0	5,950.0	5,950.0	1,700.0							17,850,0
(Local 17%)	· · · ·												
H. Amortization		16,681.0	16,674.0	16,674.0	16,674.0	16,674.0	16,674.0	16,674.0	16,674.0	16,674.0	16,674.0		166,747.0
I. Total Cost of Sales	(E+G+H)	302,501.7	377,142.2	368,597,9	357,262.6	339,613.3	322,901.9	309,502.7	296,103.4	282,704.1	269,304.8	181,910.5	3,407,545.1
J. Income before Tax	(F-G-H)	107,549.7	17,915.8	26,460.1	37,795.4	55,444.7	72,156.1	85,555.3	98,954.6	112,353.9	125,753.2	213,147.5	737,986.9
K. Income Tax					an an taon 1990. An taona amin' a						50,301.3	85,259.0	135,560.3
L. Net Income	(J-K)	-107,549.7	17,915.8	26,460.1	37,795.4	55,444.7	72,156.1	85,555.3	98,954.6	112,353.9	75,451.9	127,888.5	602,426.6
M. Accumulated Income		-107,549.7	-89,633.9	-63,173,8	-25,378.4	30,066.3	102,222.4	187,777.7	286,732.3	399,086.2	474,538.1	602,426.6	602,426.6
N. Ratio (%)						an an Ar							
Operating Profit		20.2	42.9	42.1	41.6	41.6	42.0	42.0	42.0	42.0	42.0	56.5	42.4
Income before Tax		-55.2	4.5	6.7	9.6	14.0	17.6	21.7	25.0	28.4	31.8	54.0	17.8
Net Income		-55.2	4.5	6.7	9.6	14.0	17.6	21.7	25.0	28.4	19.1	32.4	14.5

 Table 12
 Proforma Balance Sheet (Case 9-1)

										Unit:1	IRs' 00	0
ITEM/YEAR	-2/1	1	2	3	4	5	6	7	8	9	10	11
A. CURRENT ASSETS												
Cash		1,505.0	3,048.0	3,048.0	3,048.0	3,048.0	3,048.0	3,048.0	3,048.0	3,048.0	3,048.0	3,048.0
Receivables		1,505.0	3,048.0	3,048.0	3,048.0	3,048.0	3,048.0	3,048.0	3,048.0	3,048.0	3,048.0	3,048.0
Inventories		23,027.0	36,627.0	36,627.0	36,627.0	36,627.0	36,627.0	36,627.0	36,627.0	36,627.0	36,627.0	36,627.0
Total	· · .	26,037.0	42,723.0	42,723.0	42,723.0	42,723.0	42,723.0	42,723.0	42,723.0	42,723.0	42,723.0	42,723.0
B. CASH SURPLUS		581.3	2,510.1	19,669.2	23,163.6	59,307.3	120,550.4	195,192.7	283,234.3	384,675.2	449,214.1	492,194.6
C. FIXED ASSETS												
Building	150,032.0	142,519.0	135,018.0	127,517.0	120,016.0	112,515.0	105,014.0	97,513.0	90,012.0	82,511.0	75,010.0	67,509.0
Plant & Machinery	573,211.0	515,889.0	458,568.0	401,247.0	343,926.0	286,605.0	229,284.0	171,963.0	114,642.0	57,321.0		
Vehicles & Furnitures	8,063.0	6,448.0	4,836.0	3,224.0	1,612.0							
Total	731,306.0	664,856.0	598,422.0	531,988.0	465,554.0	399,120.0	334,298.0	269,476.0	204,654.0	139,832.0	75,010.0	67,509.0
D. DIFERRED ASSETS												
Deficit		107,549.7	89,633.9	63,173.8	25,378.4							
Interest d. Construction	166,747.0	150,066.0	133,392.0	116,718.0	100,044.0	83,370.0	66,696.0	50,022.0	33,348.0	16,674.0		
Total	166,747.0	257,615.7	223,025.9	179,891.8	125,422.4	83,370.0	66,696.0	50,022.0	33,348.0	16,674.0		
E. TOTAL ASSETS	898,053.0	949,090.0	866,681.0	774,272.0	656,863.0	584,520.3	564,267.4	557,413.7	563,959.3	583,904.2	566,947.1	602,426.6
F. CURRENT LIABILITIES												a the second second
Short-term Borrowing		25,000.0	35,000.0	35,000.0	10,000.0							
Total		25,000.0	35,000.0	35,000.0	10,000.0							
G. LONG TERM DEBT												
Foreign Loan	813,368.0	813,368.0	732,031.2	650,694.4	569,357.6	488,020.8	406,684.0	325,347.2	244,010.4	162,673.6	181,336.8	•
Local Loan	84,685.0	110,722.0	99,649.8	88,577.6	77,505.4	66,433.2	55,361.0	44,288.8	33,216.6	22,144.4	11,072.2	
Total	898,053.0	924,090.0	831,681.0	739,272.0	646,863.0	554,454.0	462,045.0	369,636.0	277,227.0	184,818.0	92,409.0	
H. EQUITY			n an the second s									
Share Capital												
Retained Earnings				an 1 Isan Isan Isan Isan		30,066.3	102,222.4	187,777.7	286,732.3	399,086.2	474,538.1	602,426.6
Total						30,066.3	102,222.4	187,777.7	286,732.3	399,086.2	474,538.1	602,426.6
I. TOTAL LIABILITIES & EQUITY	898,053.0	949,090.0	866,681.0	774,272.0	656,863.0	584,520.3	564,267.4	557,413.7	563,959.3	583,904.2	566,947.1	602,426.6

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 Table 13
 Fund Statement (Case 9-1)

	<b>Unit:NRs'000</b>											
	-2/1	1	2	3	4	5	6	7	8	9	10	11
SOURCES	- <u></u>											
Profit before Interest		22,668.0	152,809.0	149,654.0	147,590.0	147,590.0	149,202.0	149,202.0	149,202.0	149,202.0	149,202.0	223,197.0
Depreciation and Amortization		83,131.0	83,108.0	83,108.0	83,108.0	83,108.0	81,496.0	81,496.0	81,496.0	81,496.0	81,496.0	7,501.0
Share Capital	۰ ۱۰ ۱۰ ۱۰ ۱۰											
		25,000.0										
Loans	924,090.0	26,037.0	10,000.0									
Working Capital												
Total Sources	924,090.0	156,836.0	245,917.0	232,762.0	230,698.0	230,698.0	230,698.0	230,698.0	230,698.0	230,698.0	230,698.0	230,698.0
APPLICATIONS											tan ing site of the second s	-
Fixed Capital	731,306.0											· .
Working Capital		26,037.0	16,686.0						•			
					25,000.0	10,000.0						
Repayment of Principal			92,409.0	92,409.0	92,409.0	92,409.0	92,409.0	920,409.0	92,409.0	92,409.0	92,409.0	92,409.0
Interest		130,217.7	134,893.2	123,193.9	109,794.6	92,145.3	77,045.9	63,646.7	50,247.4	36,848.1	23,448.8	10,049.5
Interest during Construction	166,747.0											
Income Tax											50,301.3	85,259.0
Total Applications	924,090.0	156,254.7	243,988.2	215,602.9	227,203.6	194,554.3	169,454.9	156,055.7	142,656.4	129,257.1	166,159.1	187,717.5
Net Cash Inflow	0	581.3	1,928.8	17,159.1	3,494.4	36,143.7	61,243.1	74,642.3	88,041.6	101,440.9	64,538.9	42,980.5
Accumulated Reserves	0	581.3	2,510.1	19,669.2	23,163.6	59,307.3	120,550.4	195,192.7	283,234.3	384,675.2	449,214.1	492,194.6

YEAR	INVESTMENT	WORKING INCOME CAPITAL BEFORE TAX	DEPRECIATION & AMORTIZATION	INTEREST	RECLAIMED WORKING CAPITAL	SALVAGE VALUE	NET CASH IN FLOW	DISCOUNT FACTOR	PRESENT VALUI NET CASH INFI
-2/1	924,090						-924,090	1.00000	-924,090
1		25,000 26,037 -107,549.7 10,000	83,131	130,217.7			54,762	0.84564	46,309
2		16,686 17,915.8	83,108	134,893.2			209,231	0.71512	149,625
3		26,460.1	83,108	123,193.9		· · · · · · · · · · · · · · · · · · ·	232,762	0.60473	140,758
4		37,795.4	83,108	109,794.6			230,698	0.51139	117,977
5		55,444.7	83,108	92,145.3			230,698	0.43245	99,765
6		72,156.1	81,496	77,045.9			230,698	0.36570	84,366
7		85,555.3	81,496	63,646.7			230,698	0.30925	71,343
8	ч	98,954.6	81,496	50,247.4			230,698	0.26152	60,332
9		112,353.9	81,496	36,848.1			230,698	0.22115	51,019
10		125,753.2	81,496	23,448.8	n an		230,698	0.18701	43,143
11		213,147.5	7,501	10,049.5	77,723	67,509	375,930	0.15815	59,453

Table 14Internal Rate of Return (Case 9-1)

TOTAL = 0

INTERNAL RATE OF RETURN = 18.2532%

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 Table 15
 Proforma Income Statement (Case 9-2)

										(	Unit:1	NRs1, O	00)
		1	2	3	4	5	6	7	8	9	10	11	Total
A. Revenue		194,952.0	395,058.0	395,058.0	395,058.0	395,058.0	395,058.0	395,058.0	395,058.0	395,058.0	395,058.0	395,058.0	4,145,532.0
B. Raw Material Cost		30,973.0	55,473.0	55,473.0	55,473.0	55,473.0	55,473.0	55,473.0	55,473.0	55,473.0	55,473.0	55,473.0	585,703.0
C. Variable Cost		44,873.0	84,873.0	84,873.0	84,873.0	84,873.0	84,873.0	84,873.0	84,873.0	84,873.0	84,873.0	84,873.0	893,603.0
Auxiliary Material		21,182.0	37,527.0	37,527.0	37,527.0	37,527.0	37,527.0	37,527.0	37,527.0	37,527.0	37,527.0	37,527.0	396,452.0
Packing Material		160.0	283.0	283.0	283.0	283.0	283.0	283.0	283.0	283.0	283.0	283.0	2,990.0
Power Charge		10,429.0	20,858.0	20,858.0	20,858.0	20,858.0	20,858.0	20,858.0	20,858.0	20,858.0	20,858.0	20,858.0	219,009.0
Fuel Charge	· · · ·	12,413.0	24,827.0	24,827.0	24,827.0	24,827.0	24,827.0	24,827.0	24,827.0	24,827.0	24,827.0	24,827.0	260,683.0
Water Charge		689.0	1,378.0	1,378.0	1,378.0	1,378.0	1,378.0	1,378.0	1,378.0	1,378.0	1,378.0	1,378.0	14,469.0
D. Fixed Cost		79,757.0	85,229.0	88,384.0	90,448.0	90,448.0	88,836.0	88,836.0	88,836.0	88,836.0	88,836.0	31,515.0	909,961.0
Labour Expenses		8,541.0	10,901.0	10,901.0	10,901.0	10,901.0	10,901.0	10,901.0	10,901.0	10,901.0	10,901.0	10,901.0	117,551.0
Maintenance Expenses		2,100.0	5,220.0	8,375.0	10,439.0	10,439.0	10,439.0	10,439.0	10,439.0	10,439.0	10,439.0	10,439.0	99,207.0
Depreciation		66,450.0	66,434.0	66,434.0	66,434.0	66,434.0	64,822.0	64,822.0	64,822.0	64,822.0	64,822.0	7,501.0	663,797.0
Overhead Expenditure	· · ·	2,666.0	2,674.0	2,674.0	2,674.0	2,674.0	2,674.0	2,674.0	2,674.0	2,674.0	2,674.0	2,674.0	29,406.0
E. Manufacturing Cost	(B+C+D)	155,603.0	225,575.0	228,730.0	230,794.0	230,794.0	229,182.0	229,182.0	229,182.0	229,182.0	229,182.0	171,861.0	2,389,267.0
F. Operating Profit	(A-E)	39,439.0	169,483.0	166,328.0	164,264.0	164,264.0	165,876.0	165,876.0	165,876.0	165,876.0	165,876.0	223,197.0	1,756,265.0
G. Financial Charges	· · ·	102,697.4	103,810.8	93,163.5	82,516.3	71,869.0	61,221.7	50,574.5	39,927.2	29,279.9	18,632.7	7,985.4	661,678.4
Interest on L-T Debt		90,418.1	88,157.5	79,115.7	70,073.9	61,032.1	51,990.3	42,948.5	33,906.7	24,864.9	15,823.1	6,781.3	565,112.1
(Forign 10.5%)				ant Atomic The									·
Interest on L-T Debt		12,279.3	15,653.3	14,047.8	12,442.4	10,836.9	9,231.4	7,626.0	6,020.5	4,415.0	2,809.6	1,204.1	96,566.3
(Local 12%)													
Interest on S-T Debt													
(Local 17%)													
H. Amortization		13,157.0	13,150.0	13,150.0	13,150.0	13,150.0	13,150.0	13,150.0	13,150.0	13,150.0	13,150.0		131,507.0
I. Total Cost of Sales	(E+G+H)	271,457.4	342,535.8	335,043.5	326,460.3	315,813.0	303,553.7	292,906.5	282,259.2	271,611.9	260,964.7	179,846.4	3,182,452.4
J. Income before Tax	(F-G-H)	-76,505.4	52,522.2	60,014.5	68,597.7	79,245.0	91,504.3	102,151.5	112,798.8	123,446.1	134,093.3	215,211.6	963,079.6
K. Income Tax											53,637.3	86,084.6	139,721.9
L. Net Income	(J-K)	-76,505.4	52,522.2	60,014.5	68,597.7	79,245.0	91,504.3	102,151.5	112,798.8	123,446.1	80,456.0	129,127.0	823,357.7
M. Accumulated Income		-76,505.4	-23,983.2	36,031.3	104,629.0	183,874.0	275,378.3	377,529.8	490,328.6	613,774.7	694,230.7	823,357.7	823,357.7
N. Ratio (%)													
Operating Profit		20.2	42.9	42.1	41.6	41.6	42.0	42.0	42.0	42.0	42.0	56.5	42.4
Income before Tax		-39.2	13.3	15.2	17.4	20.1	23.2	25.9	28.6	31.2	33.9	54.5	23.2
Net Income		-39.2	13.3	15.2	17.4	20.1	23.2	25.9	28.6	31.2	20.4	32.7	19.9

					1947 - 1947 - 1947 - 1947 - 1947 - 1947 - 1947 - 1947 - 1947 - 1947 - 1947 - 1947 - 1947 - 1947 - 1947 - 1947 -		1.1
Pabla.	16	Deaf	ounia.	Datamaa	Choot	Cono	0.0
[able]	10	<b>FIOT</b>	onna	Balance	SUCCU	Case	7-4
			• • •			-	

				Table 1	l6 Proform	a Balance Sh	eet (Case 9-2	)				
							ant a stàite Anns an Anns					
	······			<b>1</b>	<b>.</b>			·····	(	Unit:I	· · · · · · · · · · · · · · · · · · ·	·····
ITEM/YEAR	0	1	2	3	4	5	6	7	8	9	10	11
A. CURRENT ASSETS												
Cash		1,505.0	3,048.0	3,048.0	3,048.0	3,048.0	3,048.0	3,048.0	3,048.0	3,048.0	3,048.0	3,048.0
Receivables		1,505.0	3,048.0	3,048.0	3,048.0	3,048.0	3,048.0	3,048.0	3,048.0	3,048.0	3,048.0	3,048.0
Inventories		23,027.0	36,627.0	36,627.0	36,627.0	36,627.0	36,627.0	36,627.0	36,627.0	36,627.0	36,627.0	36,627.0
Total		26,037.0	42,723.0	42,723.0	42,723.0	42,723.0	42,723.0	42,723.0	42,723.0	42,723.0	42,723.0	42,723.0
B. CASH SURPLUS		3,101.6	45,091.4	111,260.5	186,012.8	271,412.4	367,459.3	474,153.4	591,494.8	719,483.5	804,482.1	867,680.7
C. FIXED ASSETS												
Building	150,032.0	142,519.0	135,018.0	127,517.0	120,016.0	112,515.0	105,014.0	97,513.0	90,012.0	82,511.0	75,010.0	67,509.0
Plant & Machinery	573,211.0	515,889.0	458,568.0	401,247.0	343,926.0	286,605.0	229,284.0	171,963.0	114,642.0	57,321.0		
Vehicles & Furnitures	8,063.0	6,448.0	4,836.0	3,224.0	1,612.0				n an	· · · · ·		
Total	731,306.0	664,856.0	598,422.0	531,988.0	465,554.0	399,120.0	334,298.0	269,476.0	204,654.0	139,832.0	75,010.0	67,509.0
D. DIFERRED ASSETS												
Deficit		76,505.4	23,983.2									
Interest d. Construction	131,507.0	118,350.0	105,200.0	92,050.0	78,900.0	65,750.0	52,600.0	39,450.0	26,300.0	13,150.0		
Total	131,507.0	194,855.4	129,183.2	92,050.0	78,900.0	65,750.0	52,600.0	39,450.0	26,300.0	13,150.0		
E. TOTAL ASSETS	862,813.0	888,850.0	815,419.6	778,021.5	773,189.8	779,005.4	797,080.3	825,802.4	865,171.8	915,188.5	922,215.1	977,912.7
F. LONG TERM DEBT												
Foreign Loan	623,573.0	623,573.0	561,214.8	498,857.6	436,500.4	374,143.2	311,786.0	249,428.8	187,071.6	124,714.4	62,357.2	
Local Loan	84,685.0	110,722.0	99,649.8	88,577.6	77,505.4	66,433.2	55,361.0	44,288.8	33,216.6	22,144.4	11,072.2	
Total	708,258.0	734,295.0	660,864.6	587,435.2	514,005.8	440,576.4	367,147.0	293,717.6	220,288.2	146,858.8	73,429.4	
G. EQUITY							an a					
Share Capit	154,555.0	154,555.0	154,555.0	154,555.0	154,555.0	154,555.0	154,555.0	154,555.0	154,555.0	154,555.0	154,555.0	154,555.0
Retained Earnings				36,031.3			275,378.3	377,529.8	490,328.6	613,774.7	694,230.7	823,357.7
Total	154,555.0	154,555.0	154,555.0			338,429.0		532,084.8	and the second second	768,329.7	848,785.7	977,912.7
H. TOTAL LIABILITIES & EQUITY		888,850.0			773,189.8		797,080.3	825,802.4		915,188.5		977,912.7

 Table 17
 Proforma Fund Statement (Case 9-2)

										Unit: N	<b>IRs'00</b>	0)
	-2/1	1	2	3	4	5	6	7	8	9	10	11
SOURCES												
Profit before Interest		26,192.0	156,333.0	153,178.0	151,114.0	151,114.0	152,726.0	152,726.0	152,726.0	152,726.0	152,726.0	223,197.0
Depreciation and Amortization		79,607.0	79,584.0	79,584.0	79,584.0	79,584.0	77,972.0	77,972.0	77,972.0	77,972.0	77,972.0	7,501.0
Share Capital	154,555.0											
Loans	708,258.0	26,037.0										
Working Capital	· · ·											
Total Sources	862,813.0	131,836.0	235,917.0	232,762.0	230,698.0	230,698.0	230,698.0	230,698.0	230,698.0	230,698.0	230,698.0	230,698.0
APPLICATIONS												
Fixed Capital	731,306.0											
Working Capital	•	26,037.0	16,686.0									
Repayment of Principal	··· .		73,430.4	73,429.4	73,429.4	73,429.4	73,429.4	73,429.4	73,429.4	73,429.4	73,429.4	73,429,4
Interest	: .	102,697.4	103,810.8	93,163.5	82,516.3	71,869.0	61,221.7	50,574.5	39,927.2	29,279.9	18,632.7	7,985.4
Interest during Construction	131,507.0											
Income Tax											53,637.3	86,084.6
Total Applications	862,813.0	128,734.4	193,927.2	166,592.9	155,945.7	145,298.4	135,651.1	124,003.9	113,356.6	102,709.3	145,699.4	167,499.4
						a ser l'intera A a ser l'intera						
Net Cash Inflow	0	3,101.6	41,989.8	66,169.1	74,752.3	85,399.6	96,046.9	106,694.1	117,341.4	127,988.7	84,998.6	63,198.6
Accumulated Reserves	.0	3,101.6	45,091.4	111,260.5	186,012.8	271,412.4	367,459.3	474,153.4	591,494.8	719,483.5	804,482.1	867,680.7

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YEAR	INVESTMENT	WORKING CAPITAL	INCOME BEFORE TAX	DEPRECIATION & AMORTIZATION	INTEREST	RECLAIMED WORKING CAPITAL	SALVAGE Value	NET CASH IN FLOW	DISCOUNT FACTOR	PRESENT VALUI NET CASH INFI
-2/1	862,813							-862,813	1.00000	-862,813
1	р Р 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	26,037	-76,505.4	79,607	102,697.4			79,762	0.82987	66,192
2		16,686	52,522.2	79,584	103,810.8			219,231	0.68868	150,980
3			60,014.5	79,584	93,163.5			232,762	0.57151	133,026
4			68,597.7	79,584	82,516.3			230,698	0.47427	109,413
5			79,245.0	79,584	71,869.0			230,698	0.39358	90,798
6			91,504.3	77,972	61,221.7			230,698	0.32662	75,351
7			102,151.5	77,972	50,574.5			230,698	0.27105	62,531
8			112,798.8	77,972	39,927.2			230,698	0.22494	51,893
9			123,446.1	77,972	29,279.9			230,698	0.18667	43,064
10			134,093.3	77,972	18,632.7			230,698	0.15491	35,737
11			215,211.6	7,501	7,985,4	42,723	67,509	340,930	0.12855	43,828

 Table 18
 Internal Rate of Return (Case 9-2)

TOTAL = 0

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INTERNAL RATE OF RETURN = 20.5015%

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 Table 19
 Proforma Income Statement (Case 1)

7 10 1 2 3 5 6 8 9 4 180,341.0 365,755.0 365,755.0 303,750.0 303,750.0 303,750.0 303,750.0 303,750.0 303,750.0 303,7 A. Revenue B. Raw Material Cost 30,973.0 55,473.0 55,473.0 55,473.0 55,473.0 55,473.0 55,473.0 55,473.0 55,473.0 55,4 84,873.0 C. Variable Cost 44,873.0 84,873.0 84,873.0 84,873.0 84,873.0 84,873.0 84,873.0 84,873.0 84,8 Auxiliary Material 21,182.0 37,527.0 37,527.0 37,527.0 37,527.0 37,527.0 37,527.0 37,527.0 37,527.0 37,5 283.0 283.0 283.0 283.0 283.0 283.0 283.0 283.0 Packing Material 160.0 20,858.0 20,858.0 20,858.0 20,858.0 Power Charge 10,429.0 20,858.0 20,858.0 20,858.0 20.858.0 20,8 12,413.0 24,827.0 24,827.0 24,827.0 24,827.0 24,827.0 24,827.0 24,827.0 Fuel Charge 24,827.0 24,82 Water Charge 689.0 1,378.0 1,378.0 1,378.0 1,378.0 1,378.0 1,378.0 1,378.0 1,378.0 1,37 88,836.0 88,836.0 D. Fixed Cost 79,757.0 85,229.0 88,384.0 90,448.0 90,448.0 88,836.0 88,836.0 88,83 8,541.0 10,901.0 10,901.0 10,901.0 10,901.0 10,901.0 10,901.0 10,901.0 10,90 10,901.0 Labour Expenses 5,220.0 8,375.0 10,439.0 10,439.0 10,439.0 10,439.0 10,439.0 10,439.0 2,100.0 10,4 Maintenance Expenses 66,434.0 64,822.0 64,822.0 64,822.0 Depreciation 66,450.0 66,434.0 66,434.0 66,434.0 64,822.0 64,8 2,666.0 2,674.0 2,674.0 2,674.0 2,674.0 2,674.0 2,674.0 2,67 Overhead Expenditure 2,674.0 2,674.0 155,603.0 225,575.0 228,730.0 230,794.0 230,794.0 229,182.0 229,182.0 229,182.0 229,182.0 229,1 E. Manufacturing Cost (B+C+D)24,738.0 140,180.0 137,025.0 72,956.0 72,956.0 74,568.0 74,568.0 74,568.0 74,568.0 74,58 F. Operating Profit (A-E)90,707.6 91,486.2 82,102.9 72,719.8 63,336.5 53,953.4 44,570.1 35,187.0 25,803.8 16,42 G. Financial Charges 70,772.6 62,684.3 46,507.7 30,331.1 33,242.9 Interest on L-T Debt 80,883.1 78,860.9 54,596.0 38,419.4 14,1 (Forign 10.5%) Interest on L-T Debt 9,824.5 12,625.3 11,330.3 10,035.5 8,740.5 7,445.7 6,150.7 4,855.9 3,560.9 2,26 (Local 12%) Interest on S-T Debt (Local 17%) 12,088.0 12,088.0 12,0 12,088.0 12,088.0 12,088.0 12,088.0 12,088.0 12,088.0 12,088.0 H. Amortization 276,457.0 258,398.6 329,149.2 322,920.9 315,601.8 306,218.5 295,223.4 285,840.1 267,073.8 257,69 I. Total Cost of Sales (E+G+H) 8,526.6 27,293.0 J. Income before Tax (F-G-H) -78,057.6 36,605.8 42,834.1 -11,851.8 -2,468.517,909.9 36,676.2 46,0 18,42 K. Income Tax 8,526.6 17,909.9 27,293.0 36,676.2 27,63 L. Net Income (J-K) -78,057.6 36,605.8 42,834.1 -11,851.8 -2,468.540,791.5 77,467.7 105,1 -78,057.6 -41,451.8 1,382.3 -10,469.5 -12,938.0-4,411.4 13,498.5 M. Accumulated Income N. Ratio (%) 24.5 24.5 37.5 24.0 24.0 24.5 24.5 **Operating Profit** 13.7 38.3 Income before Tax -43.2 10.0 11.7 -3.9 -0.8 2.8 5.9 9.0 12.1

-43.2

Net Income

10.0

11.7

-3.9

-0.8

2.8

5.9

9.0

12.1

#### (Unit: NRs1, 000)

10	11	Total
3,750.0	303,750.0	3,341,851.0
,473.0	55,473.0	585,703.0
,873.0	84,873.0	893,603.0
,527.0	37,527.0	396,452.0
283.0	283.0	2,990.0
,858.0	20,858.0	219,009.0
,827.0	24,827.0	260,683.0
,378.0	1,378.0	14,469.0
3,836.0	31,515.0	909,961.0
,901.0	10,901.0	117,551.0
,439.0	10,439.0	99,207.0
,822.0	7,501.0	663,797.0
2,674.0	2,674.0	29,406.0
,182.0	171,861.0	2,389,267.0
1,568.0	131,889.0	952,584.0
6,420.6	7,037.5	583,325.4
1,154.5	6,066.3	505,518.8
2,266.1	971.2	77,806.6
*:		
2,088.0		120,880.0
,690.6	178,898.5	3,093,472.4
6,059.4	124,851.5	248,378.6
3,423.8	49,940.6	68,364.4
,635.6	74,910.9	180,014.2
5,103.3	180,014.2	180,014.2
24.5	43.4	28.5
15.2	41.1	7.4
9.1	24.7	5.4

 Table 20
 Proforma Balance Sheet (Case 1)

	·····		<u></u>			÷	<u> </u>	·····	Y	Unit: N	
ΙΤΕΜ/ΥΕΛ	R -2	/1 1	2	3	4	5	6	7	8	9	10
A. CURRENT ASSETS											
Cash		1,505.0	3,048.0	3,048.0	3,048.0	3,048.0	3,048.0	3,048.0	3,048.0	3,048.0	3,048
Receivables		1,505.0	3,048.0	3,048.0	3,048.0	3,048.0	3,048.0	3,048.0	3,048.0	3,048.0	3,048
Inventories		23,027.0	36,627.0	36,627.0	36,627.0	36,627.0	36,627.0	36,627.0	36,627.0	36,627.0	36,627
Total		26,037.0	42,723.0	42,723.0	42,723.0	42,723.0	42,723.0	42,723.0	42,723.0	42,723.0	42,723
B. CASH SURPLUS		480.4	11,099.0	44,632.9	23,480.9	11,712.2	9,326.6	16,324.3	32,705.1	58,469.1	75,192
C. FIXED ASSETS											
Building	150,03	2.0 142,519.0	135,018.0	127,517.0	120,016.0	112,515.0	105,014.0	97,513.0	90,012.0	82,511.0	75,010
Plant & Machiner	573,21	1.0 515,889.0	458,568.0	401,247.0	343,926.0	286,605.0	229,284.0	171,963.0	114,642.0	57,321.0	
Vehicles & Furni	tures 8,06	6,448.0	4,836.0	3,224.0	1,612.0						
Total	731,30	6.0 664,856.0	598,422.0	531,988.0	465,554.0	399,120.0	334,298.0	269,476.0	204,654.0	139,832.0	75,010
D. DIFERRED ASSETS											
Deficit		78,057.6	41,451.8		10,469.5	12,938.0	4,411.4				
Interest d. Cons	truction 120,88	0.0 108,792.0	96,704.0	84,616.0	72,528.0	60,440.0	48,352.0	36,264.0	24,176.0	12,088.0	
Total	120,88	).0 186,849.6	138,155.8	84,616.0	82,997.5	73,378.0	52,763.4	36,264.0	24,176.0	12,088.0	
E. TOTAL ASSETS	852,181	5.0 878,223.0	790,399.8	703,959.9	614,755.4	526,933.2	439,111.0	364,787.3	304,258.1	253,112.1	192,925
F. LONG TERM DEBT											
Foreign Loan	770,31	5.0 770,315.0	693,282.6	616,251.2	539,219.8	462,188.4	385,157.0	308,125.6	231,094.2	154,062.8	77,031
Local Loan	81,87	.0 107,908.0	97,117.2	86,326.4	75,535.6	64,744.8	53,954.0	43,163.2	32,372.4	21,581.6	10,790
Total	852,18	5.0 878,223.0	790,399.8	702,577.6	614,755.4	526,933.2	439,111.0	351,288.8	263,466.6	175,644.4	87,822
G. EQUITY											
Share Capital											
Retained Earning	6			1,382.3				13,498.5	40,791.5	77,467.7	105,103
Total				1,382.3				13,498.5	40,791.5	77,467.7	105,103
H. TOTAL LIABILITIE	S & EQUITY 852,18	6.0 878,223.0	790,399.8	703,959.9	614,755.4	526,933.2	439,111.0	364,787.3	304,258.1	253,112.1	192,925

· 00	0
10	11
,048.0	3,048.0
,048.0	3,048.0
,627.0	36,627.0
,723.0	42,723.0
,192.5	69,782.2
,010.0	67,509.0
,010.0	67,509.0
,925.5	180,014.2
,031.4	
,790.8	
,822.2	
,103.3	180,014.2
,103.3	180,014.2
,925.5	180,014.2

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		and a second of the second	1. <u>.</u>
Table 21	Proforma I	Fund Statement	(Case 1)
Laoio MI	- FIGIOLOGIA	where Drateshielde	(Cuoc 1)

Unit:NRs'000

									-			
	-2/1	1	2	3	4	5	6	7	8	9	10	11
SOURCES												
Profit before Interest		12,650.0	128,092.0	124,973.0	60,868.0	60,868.0	62,480.0	62,480.0	62,480.0	62,480.0	62,480.0	131,889.0
Depreciation and Amortization		78,538.0	78,522.0	78,522.0	78,522.0	78,522.0	76,910.0	76,910.0	76,910.0	76,910.0	76,910.0	7,501.0
Share Capital												
Loans	852,186.0	26,037.0			· · ·							
Working Capital	ал с. А. С											
Total Sources	852,186.0	117,225.0	206,614.0	203,459.0	139,390.0	139,390.0	139,390.0	139,390.0	139,390.0	139,390.0	139,390.0	139,390.0
							· · · · ·					
APPLICATIONS											:	
Fixed Capital	731,306.0											
Working Capital		26,037.0	16,686.0									
Repayment of Principal			87,823.2	87,822.2	87,822.2	87,822.2	87,822.2	87,822.2	87,822.2	87,822.2	87,822.2	87,822.2
Interest		90,707.6	91,486.2	82,102.9	72,719.8	63,336.5	53,953.4	44,570.1	35,187.0	25,803.8	16,420.6	7,037.5
Interest during Construction	120,880.0											
Income Tax											18,423.8	49,940.6
Total Applications	852,186.0	116,744.6	195,995.4	169,925.1	160,542.0	151,158.7	141,775.6	132,392.3	123,009.2	113,626.0	122,666.6	144,800.3
	· .											
Net Cash Inflow	0	480.4	10,618.6	33,533.9	-21,152.0	-11,768.7	-2,385.6	6,997.7	16,380.8	25,764.0	16,723.4	-5,410.3
Accumulated Reserves	0	480.4	11,099.0	44,632.9	23,480.9	11,712.2	9,326.6	16,324.3	32,705.1	58,469.1	75,192.5	69,782.2

					· · · · · · · · · · · · · · · · · · ·	Table 22 Inte	ernal Rate of Return	(Case 1)	, en		
	YEAR	INVESTMENT	WORKING CAPITAL	INCOME BEFORE TAX	DEPRECIATION & AMORTIZATION	INTEREST	RECLAIMED WORKING CAPITAL	SALVAGE VALUE	NET CASH IN FLOW	DISCOUNT FACTOR	PRESENT VALUE NET CASH INFLC
	-2/1	852,186							-852,186	1.000000	~852,186
·	1		26,037	-78,057.6	78,538	90,707.6			65,151	0.887511	57,822
	2		16,686	36,605.8	78,522	91,486.2			189,928	0,787677	149,602
·	3			42,834.1	78,522	82,102.9			203,459	0.699072	142,233
	4			~11,851.8	78,522	72,719.8			139,390	0.620434	86,482
	5			-2,468.5	78,522	63,336.5			139,390	0.550643	76,754
	6	an a		8,526.6	76,910	53,953,4			139,390	0.488702	68,120
	7		· ·	17,909.0	76,910	44,570.1			139,390	0.433728	60,457
	8			27,293.0	76,910	35,187.0			139,390	0.384939	53,657
•	9			36,676.2	76,910	25,803.8			139,390	0.341638	47,621
	10			46,059,4	76,910	16,420.6			139,390	0.303207	42,264
	11	· · ·		124,851.5	7,501	7,037.5	42,723	67,509	249,622	0.269100	67,173

INTERNAL RATE OF RETURN = 12.6746%

TOTAL = 0

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 Table 23
 Proforma Income Statement (Case 2)

								an An an			(Uni	t:NRs1	, 000)
		1	2	3	4	5	6	7	8	9	10	11	Total
A. Revenue		180,341.0	365,755.0	365,755.0	303,750.0	303,750.0	303,750.0	303,750.0	303,750.0	303,750.0	303,750.0	303,750.0	3,341,851.0
B. Rav Material Cost		30,973.0	55,473.0	55,473.0	55,473.0	55,473.0	55,473.0	55,473.0	55,473.0	55,473.0	55,473.0	55,473.0	585,703.0
C. Variable Cost		44,873.0	84,873.0	84,873.0	84,873.0	84,873.0	84,873.0	84,873.0	84,873.0	84,873.0	84,873.0	84,873.0	893,603.0
Auxiliary Material	··· ·	21,182.0	37,527.0	37,527.0	37,527.0	37,527.0	37,527.0	37,527.0	37,527.0	37,527.0	37,527.0	37,527.0	396,452.0
Packing Material		160.0	283.0	283.0	283.0	283.0	283.0	283.0	283.0	283.0	283.0	283.0	2,990.0
Power Charge		10,429.0	20,858.0	20,858.0	20,858.0	20,858.0	20,858.0	20,858.0	20,858.0	20,858.0	20,858.0	20,858.0	219,009.0
Fuel Charge		12,413.0	24,827.0	24,827.0	24,827.0	24,827.0	24,827.0	24,827.0	24,827.0	24,827.0	24,827.0	24,827.0	260,683.0
Vater Charge		689.0	1,378.0	1,378.0	1,378.0	1,378.0	1,378.0	1,378.0	1,378.0	1,378.0	1,378.0	1,378.0	14,469.0
D. Fixed Cost		79,757.0	85,229.0	88,384.0	90,448.0	90,448.0	88,836.0	88,836.0	88,836.0	88,836.0	88,836.0	31,515.0	909,961.0
Labour Expenses	i in	8,541.0	10,901.0	10,901.0	10,901.0	10,901.0	10,901.0	10,901.0	10,901.0	10,901.0	10,901.0	10,901.0	117,551.0
Maintenance Expenses		2,100.0	5,220.0	8,375.0	10,439.0	10,439.0	10,439.0	10,439.0	10,439.0	10,439.0	10,439.0	10,439.0	99,207.0
Depreciation		66,450.0	66,434.0	66,434.0	66,434.0	66,434.0	64,822.0	64,822.0	64,822.0	64,822.0	64,822.0	7,501.0	663,797.0
Overhead Expenditure		2,666.0	2,674.0	2,674.0	2,674.0	2,674.0	2,674.0	2,674.0	2,674.0	2,674.0	2,674.0	2,674.0	29,406.0
E. Manufacturing Cost	(B+C+D)	155,603.0	225,575.0	228,730.0	230,794.0	230,794.0	229,182.0	229,182.0	229,182.0	229,182.0	229,182.0	171,861.0	2,389,267.0
F. Operating Profit	(A-E)	24,738.0	140,180.0	137,025.0	72,956.0	72,956.0	74,568.0	74,568.0	74,568.0	74,568.0	74,568.0	131,889.0	952,584.0
G. Financial Charges		72,675.7	73,905.2	66,325.0	58,745.1	51,165.0	43,585.1	36,005.0	28,425.0	20,845.0	13,265.0	5,685.1	470,626.2
Interest on L-T Debt		62,851.2	61,279.9	54,994.7	48,709.6	42,424.5	36,139.4	29,854.3	23,569.1	17,284.1	10,998.9	4,713.9	392,819.6
(Forign 10.5%)													
Interest on L-T Debt	· · · · ·	9,824.5	12,625.3	11,330.3	10,035.5	8,740.5	7,445.7	6,150.7	4,855.9	3,560.9	2,266.1	971.2	77,806.6
(Local 12%)									-				
Interest on S-T Debt													
(Local 17%)													-
H. Amortization		10,373.0	10,370.0	10,370.0	10,370.0	10,370.0	10,370.0	10,370.0	10,370.0	10,370.0	10,370.0		103,703.0
I. Total Cost of Sales	(E+G+H)	238,651.7	309,850.2	305,425.0	299,909.1	292,329.0	283,137.1	275,557.0	267,977.0	260,397.0	252,817.0	177,546.1	2,963,596.2
J. Income before Tax	(F-G-H)	-58,310.7	55,904.8	60,330.0	3,840.9	11,421.0	20,612.9	28,193.0	35,773.0	43,353.0	50,933.0	126,203.9	378,254.8
K. Income Tax											20,373.2	50,481.6	70,854.8
L. Net Income	(J-K) €	-58,310.7	55,904.8	60,330.0	3,840.9	11,421.0	20,612.9	28,193.0	35,773.0	43,353.0	30,559.8	75,722.3	307,400.0
M. Accumulated Income	e stations	-58,310.7	-2,405.9	57,924.1	61,765.0	73,186.0	93,798.9	121,991.9	157,764.9	201,117.9	231,677.7	307,400.0	307,400.0
N. Ratio (%)		a di pangangan kanalar Mananan kanalar Mananan kanalar											· .
Operating Profit		13.7	38.3	37.5	24.0	24.0	24.5	24.5	24.5	24.5	24.5	43.4	28.5
Income before Tax		-43.3	15.3	16.5	1.3	3.8	6.8	9.3	11.8	14.3	16.8	41.5	11.3
Net Income		-43.3	15.3	16.5	1.3	3.8	6.8	9.3	11.8	14.3	10.1	24.9	9,2

 Table 24
 Proforma Balance Sheet (Case 2)

7

Unit:NRs'000

			· · · ·						ta de tra Recentration	Na anto Antonio		
I T E M / Y E A R	-2/1	1	2	3	4	5	6	7	8	9	10	11
A. CURRENT ASSETS												
Cash	· .	1,505.0	3,048.0	3,048.0	3,048.0	3,048.0	3,048.0	3,048.0	3,048.0	3,048.0	3,048.0	3,048.0
Receivables	с. С	1,505.0	3,048.0	3,048.0	3,048.0	3,048.0	3,048.0	3,048.0	3,048.0	3,048.0	3,048.0	3,048.0
Inventories		23,027.0	36,627.0	36,627.0	36,627.0	36,627.0	36,627.0	36,627.0	36,627.0	36,627.0	36,627.0	36,627.0
Total		26,037.0	42,723.0	42,723.0	42,723.0	42,723.0	42,723.0	42,723.0	42,723.0	42,723.0	42,723.0	42,723.0
B. CASH SURPLUS		18,512.3	63,885.1	130,370,1	140,366.0	157,942.0	183,097.9	215,833.9	256,149.9	304,045.9	339,148.7	351,723.0
C. FIXED ASSETS												
Building	150,032.0	142,519.0	135,018.0	127,517.0	120,016.0	112,515.0	105,014.0	97,513.0	90,012.0	82,511.0	75,010.0	67,509.0
Plant & Machinery	573,211.0	515,889.0	458,568.0	401,247.0	343,926.0	286,605.0	229,284.0	171,963.0	114,642.0	57,321.0		
Vehicles & Furnitures	8,063.0	6,448.0	4,836.0	3,224.0	1,612.0							
Total	731,306.0	664,856.0	598,422.0	531,988.0	465,554.0	399,120.0	334,298.0	269,476.0	204,654.0	139,832.0	75,010.0	67,509.0
D. DIFERRED ASSETS												:
Deficit		58,310.7	2,405.9									
Interest d. Construction	103,703.0	93,330.0	82,960.0	72,590.0	62,220.0	51,850.0	41,480.0	31,110.0	20,740.0	10,370.0		
Total	103,703.0	151,640.7	85,365.9	72,590.0	62,220.0	51,850.0	41,480.0	31,110.0	20,740.0	10,370.0		
E. TOTAL ASSETS	835,099.0	861,064.0	790,396.0	777,671.1	710,863.0	651,635.0	601,598.9	559,142.9	524,266.9	496,970.9	456,881.7	461,955.0
F. LONG TERM DEBT												
Foreign Loan	598,583.0	598,583.0	538,723.8	478,865.6	419,007.4	359,149.2	299,291.0	239,432.8	179,574.6	119,716.4	59,858.2	
Local Loan	81,871.0	107,908.0	97,117.2	86,326.4	75,535.6	64,744.8	53,954.0	43,163.2	32,372.4	21,581.6	10,790.8	
Total	680,454.0	706,491.0	635,841.0	565,192.0	494,543.0	423,894.0	353,245.0	282,596.0	211,947.0	141,298.0	70,649.0	
G. EQUITY												
Share Capital	154,555.0	154,555.0	154,555.0	154,555.0	154,555.0	154,555.0	154,555.0	154,555.0	154,555.0	154,555.0	154,555.0	154,555.0
Retained Earnings				57,924.1	61,765.0	73,186.0	93,798.9	121,991.9	157,764.9	201,117.9	231,677.7	307,400.0
Total	154,555.0	154,555.0	154,555.0	212,479.1	216,320.0	227,741.0	248,353.9	276,546.9	312,319.9	355,672.9	386,232.7	461,955.0
H. TOTAL LIABILITIES & EQUITY	835,009.0	861,046.0	790,396.0	777,671.1	710,863.0	651,635.0	601,598.9	559,142.9	524,266.9	496,970.9	456,881.7	461,955.0

 Table 25
 Proforma Fund Statement (Case 2)

## Unit:NRs' 000

	-2/1	1	2	3	4	5	6	7	8	9	10	11
SOURCES												e de la
Profit before Interest		14,365.0	129,810.0	126,655.0	62,586.0	162,586.0	64,198.0	64,198.0	64,198.0	64,198.0	64,198.0	131,889.0
Depreciation and Amortization		76,823.0	76,804.0	76,804.0	76,804.0	76,804.0	75,192.0	75,192.0	75,192.0	75,192.0	75,192.0	7,501.0
Share Capital	154,555.0			n de la deserva. Maria								
Loans	680,454.0	26,037.0										
Working Capital												
Total Sources	835,009.0	117,225.0	206,614.0	203,459.0	139,390.0	139,390.0	139,390.0	139,390.0	139,390.0	139,390.0	139,390.0	139,390.0
												1. T
APPLICATIONS												
Fixed Capital	731,306.0											
Working Capital	1	26,037.0	16,686.0									
Repayment of Principal			70,650.0	70,649.0	70,649.0	70,649.0	70,649.0	70,649.0	70,649.0	70,649.0	70,649.0	70,649.0
Interest		72,675.7	73,905.2	66,325.0	53,745.1	51,165.0	43,585.1	36,005.0	28,425.0	20,845.0	13,265.0	5,685.1
Interest during Construction	103,703.0											
Income Tax											20,373.2	50,481.6
Total Applications	835,009.0	98,712.7	161,241.2	136,974.0	129,394.1	121,814.0	114,234.1	106,654.0	99,074.0	91,494.0	104,287.2	126,815.7
Net Cash Inflow	0	18,512.3	45,372.8	66,485.0	9,995.9	17,576.0	25,155.9	32,736.0	40,316.0	47,896.0	35,102.8	12,574.3
Accumulated Reserves	0	18,512.3	63,885.1	130,370.1	140,366.0	157,942.0	183,097.9	215,833.9	256,149.9	304,045.9	339,148.7	351,723.0

## Table 26Internal Rate of Return (Case 2)

YEAR	INVESTMENT	VORKING CAPITAL	INCOME BEFORE TAX	DEPRECIATION & AMORTIZATION	INTEREST	RECLAIMED WORKING CAPITAL	SALVAGE VALUE	NET CASH IN FLOW	DISCOUNT FACTOR	PRESENT VALUE NET CASH INFI
-2/1	835,009							-835,009	1.000000	-835,009
1		26,037	-58,310.7	76,823	72,675.7			65,151	0.883977	57,592
2		16,686	55,904.8	76,804	73,905.2			189,928	0.781416	148,413
3		: 	60,330.0	76,804	66,325.0			203,459	0.690753	140,540
4			3,840.9	76,804	58,745.1			139,390	0.610610	85,113
5			11,421.0	76,804	51,165.0			139,390	0.539765	75,238
6			20,612.9	75,192	43,585.1			139,390	0.477140	66,509
7			28,193.0	75,192	36,005.0			139,390	0.421781	58,792
8			35,773.0	75,192	28,425.0			139,390	0.372845	51,971
9			43,353.0	75,192	20,845.0			139,390	0.329586	45,941
10		· · · · · · · · · · · · · · · · · · ·	50,933.0	75,192	13,625.0			139,390	0.291347	40,611
11			126,203.9	7,501	5,685.1	42,723	67,509	249,622	0.257544	64,289
										TOTIL - A

TOTAL = 0

INTERNAL RATE OF RETURN = 13.1251%

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A - 28

#### REFERENCE

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(Addition upon request of HMG/N)

1. International Competitiveness

.

2. Effective Protective Rate

As was requested strongly by HMG/N, the calculation result of International Competitiveness and Effective Protective Rate is shown hereunder as reference data.

1. International Competitiveness (IC)

$$IC = \frac{\Sigma (FI - FO)a}{\Sigma DR a}$$

FI = Foreign exchange inflow

FO = Foreign exchange outflow

DR= Domestic resource input

a = Discount factor (12%)

$$IC = \frac{1,412}{416} = 3.39 \text{ (Case 1)}$$
$$= \frac{1,399}{571} = 2.45 \text{ (Case 2)}$$

See Table 1 to 4.

2. Effective Protective Rate (EPR)

$$EPR = \frac{2}{Value added in free trade situation}$$

\* Domestic value added = A - (B + C + D)

A = Sales price ex-factory assumed by the Project

B = Imported inputs valued at price paid by the Project

(Polyester, Auxiliary material, Packing material)

C = Domestically purchased traded value at price paid by the Project (National cotton)

D = Non-traded inputs utilities at price paid by the Project

(Power, Fuel, Water charge)

Value added in free trade situation = A' - (B' + C' + D)

A' = c.i.f. price of corresponding import

B' = Imported inputs at c.i.f. price excluding taxes and subsidies

(Polyester, Auxiliary material, Packing material)

C' = Domestically purchased traded inputs at c.i.f. price (Cotton)

D = Non-traded inputs utilities at price paid by the Project (Power, Fuel, Water charge)

Α	NRs 365,755 Th.	
В	Polyester	27,182
	Auxiliary material	37,527
	Packing material	283
	Total	64,992
С	28,291	
D	Power	20,858
	Fuel	24,827
	Water	1,378
	Total	47,063

A' 365,000

B'	Polyester	926,661 kg × 29.33 × 0.89 = 24,189
	Auciliary material	37,527/1.01 = 37,155
	Packing material	283/1.01 = 280
	Total	61,624

C' 1,161,849 kg × US¢ 138 × 21 × 1.05 = 35,354

Now,

Domestic value added = 365,755 - (64,992 + 28,291 + 47,063) = 225,409Value added in free trade situation

= 365,000 - (61,624 + 35,354 + 47,063) = 220,959

Consequently,

 $EPR = \frac{225,409}{220,959} - 1 = 1.02 - 1 = 0.02$ 

 Table 1
 Net Foreign Exchange Earnings (Case 1)

	an a									Unit:	NRs M	i l
	Year	-2/1	1	2	3	4	5	6	7	8	9	
	I Foreign Exchange Inflow(FI)											
.*	Foreign equity capital	770										
	Import substitution effect		183	365	365	365	365	365	365	365	365	3
	Sub-total	770	183	365	365	365	365	365	365	365	365	3
	I Foreign Exchange Outflow(FO)								and the second	-		к 
	Polyester fibre		15	27	27	27	27	27	27	27	27	* .
	Auxiliary material	aria Aria Aria di Aria	21	38	38	38	38	38	38	38	38	
	Packing material		2	3	3	3	3	3	3	3	3	: :
	Maintenance expence		2	5	8	9	9	9	9	9	9	4 . 1 .
	Fuel, oil, etc.		13	26	26	26	26	26	26	26	26	1.
	Repatriated fee & wages	88										
	Repayment of foreign loan			77	77	77	77	77	77	77	77	-
	Interest on foreign loan		81	79	71	63	55	47	38	30	22	
	Sub-total	88	134	255	250	243	235	227	218	210	202	1
	III Net Foreign Exchange Flow	682	49	110	115	122	130	138	147	155	163	1
	(I - H)											•
												1
	Discount factor 12%	1 . <b>1</b> .	0.89	0.80	0.71	0.64	0.57	0.51	0,45	0.40	0.36	:
			an a									
	Present Value	682	44	88	82	78	74	70	66	62	59	· · · ·

llior	1	
10	11	Total
		770
365	365	. 3, 833
365	365	4,603
•		
27	27	285
38	38	401
3	3	32
9	9	87
26	26	273
		88 -
77	77	770
14	6	506
194	186	2,442
171	179	2,161
•		
0.32	0.29	-
55	52	1,412

R – 3

 Table 2
 Domestic Resource Input (Case 1)

									Unit	NRs M	illion	n	
Year	-2/1	1	2	3	4	5	6	7	8	9	10	11	Total
Investment Domestically	82												82
Procured Material Input		16	28	28	28	28	28	28	28	28	28	28	296
Infrastructural Service		10	21	21	21	21	21.	21	21	21	21	21	220
Domestic Wages		9	11	11	11	11	11	11	11	11	11	: 11	119
Total	82	35	60	60	60	60	60	60	60	60	60	60	717
Discount Factor 12%	1	0.89	0.80	0.71	0.64	0.57	0.51	0.45	0.40	0.36	0.32	0.29	-
Present Value	82	31	48	43	38	34	31	27	24	22	19	17	416
				OMPETITUVEN									
		IC	$= \frac{\varepsilon (F1-FC)}{\varepsilon DR}$	$\mathbf{a}$ $\mathbf{a}$ $\mathbf{a}$ $\mathbf{a}$ $\mathbf{a}$ $\mathbf{a}$ $\mathbf{a}$ $\mathbf{a}$	$\frac{2}{6} = 3.39$						4		

			e Alexandria Alexandria	generation de la composition A generation de la composition							·
						an tina ang sang sang sang sang sang sang san			Unit	NRs M	i 1 1
Year	-2/1	1	2	3	4	5	6	7	8	9	1
I Foreign Exchange Inflow	(FI)										
Foreign equity capital	599										
Import substitution ef	fect	183	365	365	365	365	365	365	365	365	365
Sub-total	599	183	365	365	365	365	365	365	365	365	365
II Foreign Exchange Outflo	w (F0)										· .
Polyester fibre		15	27	27	27	27	27	27	27	27	27
Auxiliary material		21	38	38	38	38	38	38	38	38	38
Packing material		2	3	3	3	3	3	3	3	3	
Maintenance expence		2	5	8	9	9	9	9	9	9	<u> </u>
Fuel, oil, etc.		13	26	26	26	26	26	26	26	26	26
Repatriated fee & wage	s 88										
Repayment of foreign l	oan		60	60	60	60	60	60	60	60	60
Interest on foreign lo	an	63	61	55	.49	42	36	30	24	17	1
Sub-total	88	116	220	217	212	205	199	193	187	180	174
				e di stati dan. Periodo							
III Net Foreign Exchange Fl	ow 511	67	145	148	153	160	166	172	178	185	191
(1 - 11)			14								
Discount factor 12%	1	0.89	0.80	0.71	0.64	0,57	0.51	0.45	0.40	0.36	(
						a a an an sh					
Present Value	511	60	116	105	98	91	85	77	71	67	61

 Table 3
 Net Foreign Exchange Earnings (Case 2)

llion		
10	- 11	Total
		599
365	365	3,833
365	365	4,432
	: .	
27	27	285
38	38	401
3	3	32
9	9	87
26	26	273
		88
60	60	600
11	5	393
174	168	2,159
191	197	2,273
0.32	0.29	-
	en dia en en en en entre des	
61	57	1,399

 Table 4
 Domestic Resource Input (Case 2)

a da anti- a serie de la companya de A companya de la comp	tta an an Arraigh An Anna Anna An								Unit	NRs M	illion	·	······································
Year	-2/1	1	2	3	4	5	6	7	8	9	10	11	Total
Investment Domestically Procured	237												237
Material Input		16	28	28	28	28	28	28	28	28	28	28	296
Infrastructural Service		10	21	21	21	21	21	21	21	21	21	21	220
Domestic Wages		9	11	11	11	11	11	11	11	11	11	11	119
Total	237	35	60	60	60	60	60	60	60	60	60	60	872
Discount Factor 12%	1	0.89	0.80	0.71	0.64	0.57	0.51	0.45	0.40	0.36	0.32	0.29	-
Present Value	237	31	48	43	38	34	31	27	24	22	19	17	571
		INTE	RNATIONAL C	OMPETITUVEN	IESS (IC)								
			IC =	$\frac{1399}{571} = 2$	2.45								
								<u> </u>					

Annex. Sample for Reference SHIRTING SAMPLE Polyester/Cotton  $\frac{45'^{s} \times 45'^{s}}{100 \times 72} \times 45''$ Dobby Disperse/Vat Dye SHIRTING SAMPLE Polyester/Cotton  $\frac{451^{\circ} \times 451^{\circ}}{102 \times 80} \times 45"$ Dobby Optical Bleaching SHIRTING SAMPLE Polyester/Cotton  $\frac{451^{s} \times 451^{s}}{90 \times 83} \times 45"$ Plain Disperse/Vat Dye  $R - \ddot{7}$ 

SUITING SAMPLE Polyester/Cotton  $\frac{34'^{s} \times 34'^{s}}{117 \times 64} \times 58"$ Dobby Disperse/Reactive Dye SUITING SAMPLE Polyester/Cotton  $\frac{34^{15} \times 34^{15}}{117 \times 64} \times 58"$ Dobby Optical Bleaching TWILL SAMPLE Polyester/Cotton  $\frac{34^{15} \times 34^{15}}{126 \times 66} \times 58"$ Twill Disperse/Vat Dye R - 8

