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2-2-1 Gross Domestic Product by Sector of Origin 附錄

				นา	unit: mil.Ms	0/6T ut	O price	es S
Sector	1970*	1980	1985	Average growth	e annual rate (%)	Share	of GDP	P (%)
The second secon				1970-1980	1980-1985	1970	1980	1985
Primary	4,575	7,426	698,6	5.0	4.8	37.1	28.3	26.2
Agriculture, forestry livestock and fishing	3,797	6,255	7,673	5.1	4.2	30.8	23.8	21.5
Mining and quarrying	778	1,171	1,696	7.5	7.7	6.3	4.5	4.7
Secondary	2,125	780,9	8,624	11.1	7.2	17.3	23.2	24.1
Manufacturing	1,650	4,875	6,534	11.4	0.9	13.4	18.6	18.3
Construction	475	1,209	2,090	9.8	11.6	3.9	4.6	5.8
Tertiary	5,152	11,900	17,261	8.7	7.7	41.9	45.4	48.3
Electricity, gas and water	229	605	933	10.2	9.0	1.9	2.3	2.6
Transport, storage and communications	581	1,803	3,153	12.0	11.8	4.7	6.9	8.8
Wholesale and retail trade, hotels and restaurants	1,633	3,529	4,757	8.0	6.2	13.3	13.5	13.3
Finance, insurance, real estate and business service	1,036	2,041	2,971	7.0	7.8	8.4	7.8	8.3
Government services	1,367	3,202	4,533	8.9	7.2	11.1	12.2	12.7
Other services	306	720	914	8.9	6.4	2.5	2.7	2.6
Less: Imputed bank service charges	117	407	883		. 1	1	1	,
Plus: Import duties	573	1,225	1,384		1	1	1	ı
Equals: Gross Domestic Product at Purchasers' Value	12,308	26,228	35,755	7.9	6.4	ı	ı	ı

Source: * Fourth Malaysia Plan ** Mid-Term Review

附録 2-2-2 Gross Domestic Product by Expenditure Category

Unit: mil.M\$ in 1970 prices

	1970	1980	1985		e annual rate (%)
	1970	1300	1300	1970-1980	1980-1985
Private consumption	7,310	15,345	19,929	7.7	5.4
Private investment	1,490	4,510	7,501	11.7	10.7
Public consumption	1,917	5,131	6,716	10.3	5.5
Public investment	706	2,676	3,202	14.3	3.7
Changes in stocks	357	-85	50		
Export of goods and non- factor services	5,396	11,353	16,856	7.7	8.2
Imports of goods and non-factor services	4,868	12,702	18,499	10.1	7.8
Gross Domestic Product at Purchasers' value	12,308	26,228	35,755	7.9	6.4

Source: Fourth Malaysia Plan, Mid-Term Review

附録 2-2-3 Balance of Payment, 1980 - 1983

Unit: mil.M\$

	1980	1981	1982	1983
Current account balance	-620	-5,406	-7,298	-6,714
Merchandise	+5,238	-29	-1,199	+1,631
Services	-5,813	-5,299	-6,021	-8,295
Transfers	-45	-78	-78	-50
Capital account balance	+1,622	+4,313	+6,684	+6,659
Official	+322	+2,916	+4,589	+4,367
Corporate investment	+2,033	+2,833	+2,940	+2,797
Commercial credit	-140	+101	+581	+1,095
Private financial capital	+939	+86	-75	+295
Errors and omissions	-1,532	-1,632	-1,351	-1,895
	- 1			
Overall balance	+1,002	-1,093	-614	-55

Source: Mid-Term Review, Central Bank of Malaysia

附録 2-2-4 Land Development Progress and Revised FMP Target by State

	by State				
				Unit: hecta	ıres
State	Original FMP target	Revised FMP target	Land develop- ment 1981∿1983	Achievement of the original FMP target (%)	Expected land de- velopment 1984∿1985
Johor	65,230	77,685	44,831	68.7	32,854
Kedah/Perlis	13,094	15,193	10,629	81.2	4,564
Kelantan	71,226	58,067	31,344	44.0	26,723
Melaka	2,470	1,672	1,077	43.6	595
Negri Sembilan	17,618	28,888	21,674	123.0	7,214
Pahang	168,992	132,677	76,374	45.2	56,303
Perak	49,404	48,845	28,513	57.7	20,332
Pulau Pinang	_	11 Al - 1		<u>-</u>	
Sabah	83,805	95,721	51,701	61.7	44,020
Sarawak	16,599	16,599	4,980	30.0	11,619
Selangor/Federal Territory	16,498	17,105	8,373	50.8	8,732
Trengganu	38,525	37,192	23,738	61.6	13,454
Total	543,461	529,644	303,234	55.8	226,410

Source: Mid-Term Review

附録 2-2-5 Distribution of Industrial Estate by State,

				Unit	: hectares	:
State	Number of in- dustrial estate	Planned area	Developed area			Un- allocated area
Johor	12	1,637.52	1,195.22	1,099.96	924.23	175.46
Kedah/Perlis	8	508.95	502.55	412.63	312.68	99.95
Kelantan	5	621.31	277.32	253.65	125.77	127.88
Melaka	7	344.84	266.66	241.02	214.02	26.52
Negri Sembilan	6	401.51	401.51	299.65	292.19	7.46
Pahang	8	1,304.5	739.07	569.31	308.89	260.48
Perak	9	746.85	715.30	558.65	503.60	55.05
Pulau Pinang	8	1,356.00	708.08	1,166.32	627.70	540.02
Sabah	7	403.34	402.34	301.56	270.96	30.60
Sarawak	6	910.71	753.18	581.42	511.97	69.45
Selangor/Federal Territory	16	2,411.65	1,733.88	1,399.49	1,176.40	223.10
Trengganu	9 .	609.73	364.71	536.53	212.73	323.80
Total	101	11,256.91	8,059.91	7,420.19	5,480.14	1,939.77

Source: MIDA

附錄 2-2-6 Crops by Hectarage, 1980 - 1985

Unit: hectares

	1980	1981	1982	1983	1984	1985
Rubber	2,010,000	2,006,488	1,966,400	000,066,1	2,000,000	2,012,000
Oil palm	1,609,507	1,140,538	1,212,486	1,226,585	1,306,000	1,400,000
Pepper	12,720	13,405	12,800	11,362	11,007	10,800
Cocoa	108,556	150,030	190,000	205,000	211,000	237,000
Timber	383,000	391,197	486,950	585,907	560,000	560,000
Padi	735,215	767,640	758,400	764,200	769,750	775,220
Pineapple	12,101	11,685	9,734	8,170	7,177	7,003
Tabacco	12,535	12,970	13,610	14,610	14,955	15,749
Vegetables	18,367	15,330	16,106	18,278	20,745	23,546
Orchards	000'86	87,800	000 68	000*06	92,000	000*76

Source: Mid-Term Review

附級 2-3-1 Registration of Motor Vehicles

owth	1980-1983	6.7	11.9	9.3	10.9	12.0	4.6	11.2
te of gr (%)	1980			:	F	F-1		
Annual rate of growth (%)	1975-1980	11.5	15.2	15.5	16.2	14.9	18.5	15.4
1983		18,160	26,270	248,180	1,150,630	2,029,100	006,76	3,570,240
1980		14,960	18,750	189,860	843,270	1,445,630	85,640	2,598,110
1975		8,688	9,239	92,207	398,014	722,309	36,662	1,267,119
Types of vehicles		Bus	Taxi and hired car	Lorry and van	Private car	Motorcycle	Others	Total

Source: Mid-Term Review

2-4-1 Correlation between GDP per Capita and Travel Frequency per Passenger 路線

205.047 205.047 205.047 303.591
Passengers 331 18 36 36 36 36 36 36 36 3
Elasticity Factor 1.02 1.04 **** (/year
Number of Trips per 7.00 7.00 8.32 8.32 11.14 11.14 11.14 11.14 11.14 11.17 15.10
1,148 T T T T T T T T T T T T T T T T T T T
9,147 9,147 11,849 11,984 11,984 12,434 16,531 16,531 16,531 10,531 11,984 11,984 11,984 11,984
1970 10,501 1970 10,501 1980 22,758 1982 25,668 1992 42,840 2000 68,603 2000 68,603 2000 82,798 2005 82,798 2005 82,798 2010 2010 2010 2010 2010 2010 2011 180,735

				T	T	T		·····		~~~~~		r								99611	د د
	٥٦) persons/year)	Tota]	139	1,044	708	3,574	536	1,460	508	191	166	1,003	296	1,316	630	258	2,397	124	160	14,510
		1,000	0		18	23	0	m	13	4	25	m	16	1	12	80	c,	25	0		
	0	t: 1	9	70	29	'n	0	1	۲.	7	0	0	1	0	2	7	0	5			
		(Unit:	0	6	114	107	813	160	613	115	36	13	87	6	168	89	33				
•		ions	(2)	-	12	11	102	7.	80	m	65	1	37	1	17	13		Z	-		
		directions	0	ε,	47	41	248	18	22	30	17	7	97	9	ω						
			(2)	9	108	76	388	30	41	1.8	23	86	89	216	/		-				
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		two	0	0	7	0	т	9	S	2	S	Z									
		I Ne	<u>@</u>	-	12		24	77	. *** .	9	/									`	
		(1991	9		13	17	134	39	131							_					
		Passenger	9	7	30	33	410	115													
		Pass 6	9	2	33	48	40														
		way ;	ⅎ	29	577	278															
		the Railway	0	0	œ	/								~-							
		the	0	=	/																
		of	0																		
附 錄 2-4-2		OD Table	a	Kedah/Perlis	Pinang	Perak	Selangor	N. Sembilan/Melaka	Johor (Keluang)	Johor (J. Bahru)	Pahang (Temerloh)	Pahang (K. Lipis)	Pahang (Kuantan)	Kelantan (Ulu Kelantan)	Kelantan (Kota Bharu)	Trengganu (K. Trengganu)	Trengganu (Kemaman)	Singapore	Thailand	Janda Baik	Total
				0	0	0	\oplus	(9)	0	0	@	(6)	(2)		(2)	0	(£)	9	(2)	0	

Passenger

		<u> </u>	r	***************************************						· ·	-7	<u>س</u>	0	'n	7	ဖ	ı,	ڼ	က္က
persons/year)	Total	200	2,406	1,121	7,672	245	2,079	1,123	777	244	2,462	583	2,250	1,465	472	3,896	215	576	27,953
/suos	٥	2	9/	85	0	δ	35	19	101	6	17	2	38	33	11	81	Н		
0 per	9	100	64	2	21	7	7	<u>, , , , , , , , , , , , , , , , , , , </u>	-	0	7	0	3	2	-	6			-
3 . 1,000	9	10	205	135	1,548	206	754	231	61	18	169	18	234	169	49				
cocc (Unit: 1	٧		23	14	203	σ	11	7	16	17	74	1	25	26		4.1			
ions	0	7	115	71	627	30	37	26	88	7	250	17	15						
directions	(2)	7	204	122	727	3.7	20	36	39	129	171	411							
		0.	14	8	77	5	4	61	7	38	07								
) for both	٥	ε.	79	58	1,355	57	61	38	69	0									
rk A)	<u>(a)</u>	0	7	0	ν.	2	Ŋ	т	œ			:							
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005 Ne	0	2	34	31	370	72	234												
) Ta	9	2	87	35	673	127							:						
eng	9	7 1,	55	56	69														
the Railway Passenger (2005 Network	•	97	1,441	787															
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the F	0	17				·								,					
9.5	Θ														·				
OD Table	A											intan)	iru)	Trengganu)	(t				
		s				Sembilan/Melaka	uang)	(J. Bahru)	merloh)	Lipis)	(antan)	Vlu Kela	(Kota Bharu)	유	(Kemaman			ر	Total
		Kedah/Prlis	Pinang	Perak	Selangor	N. Sembila	Johor (Keluang)	Johor (J.	Pahang (Temerloh)	Pahang (K.	Pahang (Kuantan)	Kelantan (Ulu Kelantan)	Kelantan (Trengganu	Trengganu (Kemaman)	Singapore	Thailand	Janda Baík	
	0	Θ	0	0	(9	0	0	@	<u>(</u>	9	0	0	0	(1)	9	(2)	٥	

			.:	7	·												Pa	ssen	ger
(H	Total	205	2,508	1,201	9,910	2,079	2,623	1,821	479	268	2,594	909	2,394	1,558	506	5,738	221	798	35,507
	0	m	7.8	87	0	151	50	29	104	10	73	2	39	34	11	125	. [/	n
persons/year)	9	100	79	7	21	1	2	2	7	0	2	0	m	7	П	13	/	<u> </u>	
1,000 p	0	14	278	187	2,317	273	893	616	91	25	251	25	323	236	7.1	/	/ 		
it:	(2)	7	23	14	202	11	15	27	16	F-1	74	,,	28	26	/				
directions (Unit:	0	-7	116	71.	628	33	48	36	38	7	251	17	15		<u> </u>				
sction	0	7	205	122	729	41	79	50	39	137	172	420	7	/					
	0	0	14	ω	77.7	2	9	m	7	41	07					ļ	-		
for both	9	е.	79	58	1,353	99	82	56	69	10									
B.) fo	0	0	4	0	9	Q	7	157	- ∞		 								
ork	<u>⊚</u>	~1	28	7	58	2	1	17										~-	
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(2005 Network	9	CO.	59	45	924	154							-						
senger	9	2	9	19	1,116														
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	$ \cdot $	Perl			я ы	bila	(Ke1	(J.		(K			i			ore	nd	Baik	Ä
		Kedah/Perlis	Pinang	Perak	Selangor	N. Sem	Johor (Keluang)	Johor (J. Bahru)	Pahang	Pahang (K. Lipis)	Pahang	Kelantan	Kelantan	Trengganu	Trengganu	Singapore	Thailand	Janda Baik	
	0	Θ	0	<u></u>	(<u>ි</u>	9	©	8	6	0)	0	0	0	3	9	(2)	0	
<u> </u>							لسب		L	<u> </u>									

(H	Total	278	3,981	1,903	11,370	2,150	2,696	1,879	508	258	2,711	557	3,635	3 2,322	638	6,045	2 267	925	42,125
persons/year)	0	7	121	157	0	151	50	29	103	10	72	1	50	38	11	125	. 7	/_	
erson	(B	104	69	10	35	2	3	n	1	0	3	0	8	7	pH	21			
1,000 %	9	25	412	231	2,317	273	893	616	16	11	251	10	426	274	7.1				
(Unit: 1	٩	2	34	17	201	11	1.5	10	1.5	r-1	74	2	66	80					
	0	0	200	86	703	39	56	42	43	١٧	287	22	422						
directions	0	80	777	207	924	55	84	99	50	135	226	429	/	K					
direc		F-1	8	4	18	Ŋ	. 5	m	9	07	. 7	/	Z	-					
or both	9	7.7	93	7.1	1,341	99	82	56	69	10									
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Network	@	7	43		57	7	F-4	17		-								\ <u></u>	igdash
	0	7	69	51	543	76	271	/											-
(2005	9	ਪ	96	56	924	154													
Passenger	9	4	93	77	1,116								:						
	9	78	2,233	874															
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OD Table of	α					rd y						lantan)	haru)	engganu)	an)				
		Kedah/Perlis	Pinang	Perak	Selangor	N. Sembilan/Melaka	Johor (Keluang)	Johor (J. Bahru)	Pahang (Temerloh)	Pahang (K. Lipis)	Pahang (Kuantan)	Kelantan (Ulu Kelantan)	Kelantan (Kota Bharu)	Trengganu (K. Trengganu)	Trengganu (Kemaman)	Singapore	Thailand	Janda Baik	
	0		0	<u>m</u>	(3)	9	(i)	0	()	6	(3)		0	0	(C)	9	9	+	1
	1	J	1	 	1	<u> </u>	<u> </u>	L	A-1	l			L.~_	1	1	1	1 -	17	<u>1</u>

Goods

		·····			· · ·							
	ъ	ıs/year)	Total	221.9	668.0	61.9	7.48	285.1	1,050.7	0.6	34.6	. 2,427.2
	2000	1,000 tons/year)	(1) (6)	32.7	13.3	13.8	0	6.6	3.4	20.1		6.69
		(Unit:]	0	29.5	74.0	3	4.0	21.7	0		0.2	131.1
	k A)	,	9	23.4	8.65	6,	0.3	7.4		0	0.5	98.3
	(1991 Network A)		0	70.7	316.1	19.7	0.1		21.1	9.4	Н Ф	434.8
			@	65.6	204.8	16.2		6.7	12.4	. 0.2	0	305.9
	Railway Good's		000	.	1		14.7	20.7	33.8	1.1	17.7	88.0
	the		Ф	.			61.5	204.7	663.3	12.8	7.1	5.676
2-5-1	Table of		0000		1	,	6.5	17.3	316.7	1.8	7.5	349.8
附錄	QO		a /	Kedah/Perlis Pinang Perak	Selangor	N. Sembilan/ Melaka Johor (Keluang) Johor (Johor Bahru)	Pahang (Temerloh)	Pahang (Kuantan)	Trengganu (Kemaman)	Kelantan (K. Bharu) Trengganu (K. Trengganu)	Pahang (Lipis) Kelantan (Ulu Kelantan)	Total
			0	000	9	9 90	⊚	9	(\$)	00	00	

					*.		ing Talahaya Talahaya		Go	oods
tons/vear)	Total	335.1	1,014.4	98.1	123.6	453.7	1,706.5	22.5	43.4	3,797.3
000 1	1 1-1	52.6	16.0	22.6	0	12.1	8.3	0.1		111.7
(Unit:]	0	34.7	72.1	5.3	9.0	35.0	0		0.2	147.7
(A)	(2)	42.8	100.0	13.7	9.0	14.6		0	0.7	172.4
Network A)	0	104.6	508.5	33.1	6.0		12.7	3.7	2.1	9.599
, (2005	@	100.4	317.8	23.4		6.6	14.5	0.2	0	466.2
the Railway Goods	000	1	. I		18.8	32.7	68.2	1.4	22.2	143.3
the Rail	9	ŧ		l	89.2	316.4	1,283.5	14.1	7.2	1,710.4
OD Table of	000		ı	ı	13.7	33.0	319.3	3.0	11.0	380.0
10	Q	Kedah/Perlis Pinang Perak	Selangor	N. Sembilan/ Melaka Johor (Keluang) Johor (Johor Bahru)	Pahang (Temerloh)	Pahang (Kuantan)	Trengganu (Kemaman)	Kelantan (K. Bharu) Trengganu (K. Trengganu)	Pahang (Lipis) Kelantan (Ulu Kelantan)	Total
	V. •	000	9	Ø <u>Ø</u> O	@	9	(2)	00	0	

ear)	Total	603.0	1,867.1	1,059.9	291.3	1,217.2	150.4	767.6	1,935.7	45.0	46.3	7.983.5
_3 00 tons/year)	9	55.1	12.6	2.6	1.1	23.0	0	12.7	6.1	0.1		113.3
(Unit: 1,000	0 0	39.2	98.3	0	0	19.0	0.7	39.3	0		0.2	196.7
	(2)	43.8	105.8	2.2	1.5	28.3	0.7	17.6		0	9.0	200.5
	9	109.1	546.0	86.2	10.0	65.2	1.8		15.1	6.1	2.2	841.7
		104.7	339.0	0	0	35.6		12.6	15.7	0.4	0	508.0
	0	210.8	541.8	286.3	243.4		34.6	275.1	245.5	. 12.7	20.8	1,871.0
	9	16.0	50.4	0		320.0	0	13.1	12.0	0	2.5	414.0
	9	24.3	173.2		0	187.0	0	14.7	13.4	0	2.8	415.4
	9			670.2	29.3	433.1	98.1	348.3	1,305.6	22.0	5.4	2,912.0
	000		1	12.4	0.9	106.0	14.5	34.2	322.3	3.7	11.8	510.9
	Ω	Kedah/Perlis Pinang Perak	Selangor	N. Sembilan/ Melaka	Johor (Keluang)	Johor (Johor Bahru)	Pahang (Temerloh)	Pahang (Kuantan)	Trengganu (Kemaman)	Kelantan (Kota Bharu) Trengganu (K. Trengganu)	Pahang (Lipis) Kelantan (Ulu Kelantan)	Total
		000	(9	0	0	@		(2)	0 0	9 🖨	

														Go	ods
	Total	209.2	1,318.9	1,781.4	2,681.5	1,011.0	247.9	1,278.8	159.3	853.5	2,460.3	215.2	139.9	48.3	12,405.2
	(D) (O)	8.0	29.5	17.7	16.1	2.2	0.9	21.4	0	13.2	5.7	9.0			115.3
o cons/year)	0	0	36.3	75.6	121.7	6.7	0.8	12.4	2.1	52.1	279.8	4.6			592.1
9 8 00 0 1,000 to	0	6.8	121.8	130.4	277.5	11.8	7.0	79.2	3.1	45.1	247.4		22.0	2.1	956.3
o (Unit:]	٥	3.6	35.7	62.1	100.2	1.9	1.3	26.6	9.0	14.6		4.9	6.1	0.5	258.1
	0)	20.9	102.9	78.6	508.7	80.0	71	60.0	6.0		12.7	16.6	11.8	2.2	902.4
ork C)	@	21.6	91.8	98.0	318.0	0	0	28.7		6	14.5	1.8	13.3	0	597.6
(2005 Network	0	6.2	295.5	107.4	528.8	236.8	201.6		22.6	242.5	224.7	80.0	3.4	19.8	1,969.3
Goods (2	@	0.3	31.9	66.2	35.7	0		262.0	0	11.7	10.4	2.0	8.0.	2.2	423.2
Railway G	9	5.0	33.2	1.46	133.0		0	166.1	0	12.3	11.3	4.1	0.9	2.5	463.0
of the Re	9	7.66	337.1	733.9		439.0	17.8	420.3	89.2	316.4	1,283.6	80.9	58.1	7.2	3,883.2
OD Table	9	39.6	203.2		356.4	219.4	1.7	68.3	7.5	25.8	70.2	7.6	8.9	3.2	981.8
10	0	ı		303.9	207.2	12.3	9.2	127.9	31.8	105.8	323.1	11.0	5.6	7.5	1,149.2
	Θ			13.5	78.2	6.0	0.5	5.9	1.5	4.1	6.9	1.1	0	7	113.7
	G O	Kedah/Perlis	Pinang	Perak	Selangor	N. Sembilan/ Melaka	Johor (Keluang)	Johor (Johor Bahru)	Pahang (Temerloh)	Pahang (Kuantan)	Trengganu (Kemaman)	Trengganu (K. Trengganu)	Kelantan (Kota Bharu)	Pahang (Lipis) Kelantan (Ulu Kelantan)	Total
	<u> </u>	Θ	0	0	€	9	0	0	<u>@</u>	9	(2)	0	0	6	

附録 3-2-1 Required Number of Trains

Network A

Number of Trains by Section (for both directions)

Kind of		Pa:	ssenger	train		•	Go	ods tra	in		
Sta- tion/ section	Super express	Express	Ordi- nary	KI. urban	Sub~ total	Express con- tainer	Con- tainer	Car- load through	Ordi- nary	Sub- total	Total
Port Kelang											
		<u>-</u>	_	90 (24)	90 (24)	-	-	-	10 (6)	10 (6)	100 (30)
Kuala Lumpur	8 (6)	16	(6)	30 (8)	54 (20)	(2)	8 (4)	16 (10)	-	26 (16)	80 (36)
Janda Baik	8 (6)	16	; (6)	-	24 (12)	2 (2)	8 (4)	16 (10)	-	26 (16)	50 (28)
Kuantan	8 (6)	8	} : (2)	_	16 (8)	-	4 (2)	14 (8)	-	18 (10)	34 (18)
Kerteh	<u> </u>		1				 	 -	 	ļ	

(Note) 1. Required number of trains for both directions to be operated in the year 2005.
2. Figures in parentheses are for the year 1991.

Network B

Number of Trains by Section (for both directions)

Kind of		Pas	senger	train			Go	ods tra	in		
train Sta- tion/ section	Super express	Express	Ordi- nary	KL urban	Sub- total	Express con- tainer	Con- tainer	Car- load through	Ordi- nary	Sub- total	Total
Port Kelang								1.			
	<u>ت</u>	•	-	90 (36)	90 (36)	-		_	16 (12)	16 (12)	106 (48)
Kuala Lumpur	10 (8)	16 (8)		30 (12)	56 (28)	2 (2)	8 (6)	20 (16)	-	30 (24)	86 (52)
Janda Baik	10 (8)	16 (8)	_	-	26 (16)	2 (2)	8 (6)	20 (16)		30 (24)	56 (40)
Kuantan	10 (8)	8 (4)	_	-	18 (12)		4 (2)	16 (12)	_	20 (14)	38 (26)
Kerteh						7					
Kuala Lumpur	20	14	8		42	4	8	12	2	26	68
Seremban	(14)	(10)	(8)	_	(32)	(2)	(6)	(8)	(2)	(18)	(50)
	20 (14)	14 (10)	4 (4)		38 (28)	4 (2)	8 (6)	8 (6)	2 . (2)	22 (16)	60 (44)
Gemas	20 (14)	10 (8)	(4)	1	34 (26)	4 (2)	8 (6)	8 (6)	4 (4)	24 (18)	58 (44)
Kempas Baru	20 (14)	10 (8)	4 (4)	-	34 (26)	-	2 (2)	-	2 (2)	4 (4)	38 (30)
Johor Bahru	20 (14)	10 (8)	6 (4)	-	36 (26)	_	2 (2)	-	2 (2)	4 (4)	40 (30)
Singapore											

⁽Note) 1. Required number of trains for both directions to be operated in the year 2005.2. Figures in parentheses are for the year 1996.

Network C.

Number of Trains by Section (for both directions)

		ras	senger	train			Coo	ds trai	n _.		
Sta- tion/ section	Super express	Express	Ordi- nary	KI. urban	Sub- total	Express con- tainer	Con- tainer	Car- load through	Ordí- nary	Sub- total	Total
Port Kelang											
Kuala Lumpur		-	<u>-</u>	90 (60)	90 (60)	-	-			20 (18)	110 (78)
Janda Baik	14 (12)	16 (14)	-	30 (20)	60 (46)	2 (2)	12 (10)	24 (22)	-	38 (34)	98 (80)
Kuantan	14 (12)	16 (14)	-	-	30 (26)	2 (2)	12 (10)	24 (22)	-	38 (34)	68 (60)
Kerteh	14 (12)	8 (6)	-	-	22 (18)	2 (2)	8 (6)	16 (14)	2 (2)	28 (24)	50 (42)
Kuala Trengganu	14 (12)	8 (6)	-	****	22 (18)	2 (2)	6 (4)	8 (6)	2 (2)	18 (14)	40 (32)
Kota Bharu	10 (8)	4 (4)	4 (4)		18 (16)	-	2 (2)	4 (4)	2 (2)	8 (8)	26 (24)
Butterworth											
(Perai)	12 (10)	8 (6)	6 (6)	-	26 (22)	4 (4)	8 (6)	6 (6)	4 (4)	22 (20)	48 (42)
	12 (10)	18 (14)	6 (6)	-	36 (30)	4 (4)	12 (10)	14 (12)	4 (4)	34 (30)	70 (60)
Kuala Lumpur Seremban	20 (18)	16 (16)	8 (8)	-	44 (42)	4 (4)	10 (8)	14 (12)	2 (2)	30 (26)	74 (68)
	20 (18)	16 (16)	4 (4)	-	40 (38)	4 (4)	10 (8)	8 (8)	2 (2)	24 (22)	64 (60)
Gemas -	20 (18)	10 (10)	4 (4)	-	34 (32)	4 (4)	10 (8)	8 (8)	4 (4)	26 (24)	60 (56)
Kempas Baru	20 (18)	10 (10)	4 (4)	-	34 (32)	-	2 (2)	-	2 (2)	4 (4)	38 (36)
Johor Bahru Singapore	20 (18)	10 (10)	6 (6)	-	36 (34)	-	2 (2)	-	2 (2)	4 (4)	40 (38)

⁽Note) 1. Required number of trains for both directions to be operated in the year 2005.2. Figures in parentheses are for the year 2001.

附録 3-2-2 Basic Running Time Table

- 1. Kuala Lumpur から下り方向の列車の基準運転時分(停車時分を除く)は下表に示すとおりである。
- 2. Distance * は隣接駅間の距離 (km), ": "印は"分:秒", 駅名欄機太線は列車種 別毎の停車駅を各々示す。

Non	Fact	West	Daf :	Dav
11 . V	Cdal	. исъ	Talk.	Lway

	*		Passeng	er train			Goods train	
Station	Distance (km)	Super express	Express	Ordinary	Urban	Express container	Container and car- load through	Ordinary
Kuala Lumpur	14.4	8m:00s	8m:00s	8 ^m ; 00s	9m:00s	9m:30s	10m:30s	10m:30s
Batu Čaves	21.3	10:30	11:30	11:30	13:00	11:30	14:00	14:00
Janda Baik	18,3	9:30	10:30	10:30		9:30	13:00	13:00
Bentong	53.0	22:00	23:30	23:30		28:00	38:30	38:30
Temerloh	53.0	22:00	23:00	23:00		28:00	39:00	39:00
Maran	37.0	14:30	17:00	17:00		19:30	26:00	26:00
Cembang			14:00	14:00		17:00	22:00	22:00
Kuantan	30.0	12:30		20:30		26:00	34:00	35:00
Chuka i•	46.4	19:30	20:30			14:30	19:00	20:30
Kerteh	25.6	11:00	12:30	12:30		19:30	26:00	27:00
Dungun	34.5	15:00	16:00	16:00				
Kuala Trengganu	71.0	29:00	30:30	30:30		38:30	\$1:30	53:00
Jerteh	87.7	35:30	36:30	36:30		47:00	63:00	64:00
Pasir Puteh	15.3	6:00	7:30	8:30		8:30	11:00	12:30
	28.5	11:00	11:00	13:30		15:00	20:00	20:00
Bachok	11.0	4:30	4:30	7:00		6:00	7:30	7:30
Xemasin	10.9	5;30	5:30	7:00		7:00	8:30	8:30
Kota Bharu								
Total	557.9	236:00	252:00	259:30	22:00	305:00	403:30	411:00

Port Kelang Line

Station	Distance (km)	Urban passenger train	Goods train
Port Kelang	9.8	6 ^m :30s	6m:30s
Kelang	9.6	6:30	6:30
Shah Alam	8.5	6:00	6:00
Subang Jaya	5.3	4:00	4:00
Petaling Jaya	 		
Kuala Lumpur	9.2	6:30	6:30
Total	42.4	29:30	29:30

Northern portion of West Coast Railway

	Distance	Pass	enger tra	in	Goods	train	
Station	(km)	Super express	Express	Ordinary	Express container	Container and car- load through	Ordinary
Butterworth	1.5	2 ^{to} :00 ^S	2 ^m :00 ^s	2m:00s		-	
Perai	9.9	4:00	5:00	5:00	7m:00s	8m:30s	.8m:30s
Bukit Mertajam	22.2	9:00	10:30	11:30	12:00	15:30	15:30
Nibon Tebal	4.7	2:00	2:00	4:30	2:30	3:30	4:30
Parit Buntar	12.1	5:00	5:00	7:30	6:30	8:30	10:00
Bagan Serai	29.7	11:30	12:30	14:00	15:30	21:00	22:00
Taiping	18.9	7:30	9:00	10:00	10:00	13:30	15:00
Padang Rengas	8.5	3:30	4:30	6:00	4:30	6:00	7:00
Kuala Kangsar	49.1	20:30	22:00	22:00	27:00	35:30	36:30
Ipoh	12.2	6:30	6:30	7:30	8:00	10:00	11:30
Batu Gajah	18.4	7:00	7:00	9:30	9:30	13:00	13:00
Malim Nawar	5.1	2:00	2:00	4:30	3:00	3:30	4:30
Kampar	16.1	6:30	7:30	9:00	8:30	11:30	14:00
Tapah Road	9.2	3:30	5:00	6:00	5:00	6:30	8:00
Bidor	16.5	6:30	6:30	9:00	9:00	11:30	11:30
Sungkai	20.5	8:00	8:00	10:30	11:00	14:30	15:30
Slim River	11.2	4:30	4:30	7:00	6:00	8:00	9:30
Behrang	10.7	4:30	5:30	7:00	5:30	7:30	7:30
Tanjong Malim	16.7	6:30	8:00	9:00	9:00	11:30	11:30
Kuala Kubu Road	33.1	13:30	14:30	16:00	18:30	24:30	24:30
Rawang	13.7	5:30	7:00	8:00	9:00	11:00	11:00
Sungei Buloh	17.4	10:30	10:30	12:00	9:30	12:00	12:00
Kuala Lumpur	_		<u> </u>				
Total	357.3	150:00	165:00	197:30	196:30	257:00	272:00

Telok Intan Line

Station	Distance (km)	Goods train
Tapah Road	28.5	22m:00s
Telok Intan	20.5	-2.,00

Southern portion of West Coast Railway

		Pa	ssenger tr	ain	G	oods train	Salar Sa
Station	Distance (km)	Super express	Express	Ordinary	Express container	Container and car- load through	Ordinary
Kuala Lumpur							
	10.8	5m:00s	5m:00s	6m:00s	6m:00s	8m:30s	8Պ:30s
Sungei Besi	12.5	6:30	7:30	8:30	7:30	9:30	9;30
Kajang	5.0	2:00	3:30	3:30	3:00	3:30	4:30
Bangi	37.3	15:30	15:30	15:30	19:30	26:00	28:30
Seremban	43.8	18:30	19:30	19:30	24:00	32:00	33:30
Tampin	25.4	10:00	11:30	12:30	15:00	19:30	19:30
Batang Melaka	25.4	10:00	11:00	12:30	13:30	19:00	19:00
Gemas	25.3	10:00	12:30	12:30	13:30	19:00	20:00
Segamat	28.3	11:00	12:30	13:30	15;00	20:00	22:30
Labis	53,4	22:00	22:00	23:30	29:00	38:30	40:00
Keluang	54.9	22:30	22:30	23:30	30:30	39:00	39:00
Kulai	16.2	6:30	6:30	9:00	8:30	11:30	12:30
Kempas Baru	13.6	6:30	6:30	8.00	7:30	9:30	11:00
Johor Bahru	26.5	17:30	17:30	17:30	19:00	20:30	20:30
Singapore							
Total	378.4	163:30	173:30	186:00	211:30	276 :00	288:30

Port Dickson Line

Station	Distance (km)	Goods train
Seremban	36.1	28 th : 30 ^s
Port Dickson		20.30

Pasir Gudang Line

Station	Distance (km)	Goods train
Kempas Baru	31.6	24 ^m : 30 ^s
Pasir Gendang	7,0	24 .50

附録4-1-1 高速道路開通が鉄道輸送路に及ぼす影響

- 1. JNRのconventional line は最高速度 120km/h 前後の輸送サービスを提供している。しかしながら、この程度のサービスでは通勤輸送を除き、高速道路の開通によって鉄道輸送量の減少を免れることはできない。表1-1に示すように数十kmの輸送距離では5~15%の減少は確実に蒙るようである。ただし、この計算には高速道路開通直後の輸送量を用いているが図1-2にみられるように、その後の中間的鉄道輸送の減少傾向(30%程度)に注目する必要がある。また、より長い距離の旅客や貨物輸送量の減少がこれに加わることは明らかである。
- 2. 最高速度 210または 240km/h の輸送サービスを提供している新幹線の場合, 高速道路の開通による影響は小さい。すなわち, 図2-1にみられるように, 新幹線のある東海道線や山陽線の鉄道輸送量は高速道路の影響を受けていない。とくに東北線の場合, 82年の新幹線の開通後, 鉄道輸送量が増加し, 高速道路の交通量が減少していることは注目に値する。

なお、山陽線の場合、大きく増えた高速道路交通量の 2/3 は貨物自動車である。これは貨物列車を運転しない新幹線は貨物輸送分野において影響力を持ち得ないことの表れと考えられる。表 1-1 Treffic Decrease in Conventional IND Line ACC

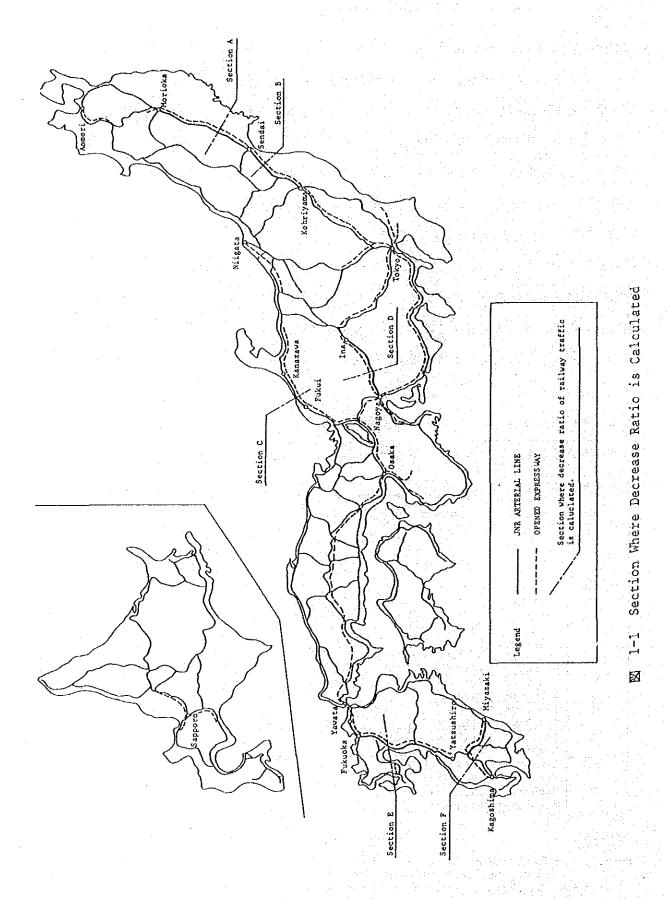
と考えられる。表 1-1 Traffic Decrease in Conventional JNR Line Affected by Highway Opening

	·	<u> </u>	<u> </u>		
	of convention	nal			rease
			ratio **	:	
From	To]	Regarding	Railway \	
	•		the traf-	/share in\	
<i>1</i> .	*	Length	fic between	overall	(C):
City,	City,	(km)	two prefec-	traffic	(A)x(B)
Pref.	Pref.	1 1	tures* in	between	2
in the second			O D table	1	
	18.78		(A) %	1	
Sendai,	Morioka,	184	-14.7		3.7
Miyagi	Iwate				
Kohriyama,	Sendai	125	-8.0	(31)	2.5
Fukushima	Miyagi			,	
Kanazawa,	Fukui,	77	-9.2	(18)	1.7
Ishikawa	Fukui				
Ina,	Komaki,	174	-21.1	(44)	9.3
Nagano	Aichi				
Yawata,	Yatsushiro,	210	-24.2	(35)	8.5
Fukuoka	Kumamoto			· · ·	
Kagoshima,	Miyazaki	123	-31.0	(53)	16.4
Kagoshima	Miyazaki			, ,	
	_	-	-17.2	(30)	5.2
•	and the second			, ,	
	railway From City, Pref. Sendai, Miyagi Kohriyama, Fukushima Kanazawa, Ishikawa Ina, Nagano Yawata, Fukuoka	railway From To City, City, Pref. Pref. Sendai, Morioka, Miyagi Iwate Kohriyama, Sendai Fukushima Miyagi Kanazawa, Fukui, Ishikawa Fukui Ina, Komaki, Nagano Aichi Yawata, Yatsushiro, Fukuoka Kumamoto Kagoshima, Miyazaki	From To City, City, (km) Pref. Pref. Sendai, Morioka, 184 Miyagi Iwate Kohriyama, Sendai 125 Fukushima Miyagi Kanazawa, Fukui, 77 Ishikawa Fukui Ina, Komaki, 174 Nagano Aichi Yawata, Yatsushiro, 210 Fukuoka Kumamoto Kagoshima, Miyazaki 123	railway ratio ** From To Regarding the traffic between (km) two prefectures* in O D table (A) % Sendai, Morioka, Miyagi 184 -14.7 Kohriyama, Sendai 125 -8.0 Fukushima Miyagi -9.2 Kanazawa, Fukui, 77 -9.2 Ishikawa Fukui -21.1 Nagano Aichi -24.2 Fukuoka Kumamoto -31.0 Kagoshima Miyazaki 123 -31.0 Kagoshima Miyazaki 123 -31.0	railway ratio ** From To Regarding the traf-fic between (wm) Railway share in overall traffic between two prefectures* in O D table (A) % Regarding the traf-fic between two prefectures* in O D table (A) % Regarding the traf-fic between the section (B) % Regarding the shade of the section (B)

Note: * The two prefectures are adjacent: city-pairs above have

the prefectural boundary line inbetween.

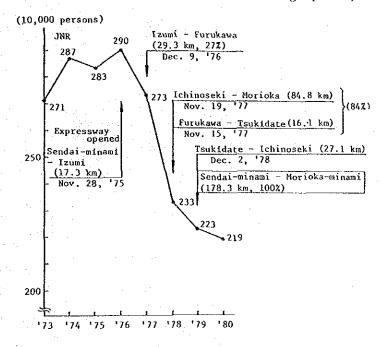
** The ratio is calculated, comparing the traffic in the previous year of the partial opening of expressway section, with the traffic in the following year of whole section opened.



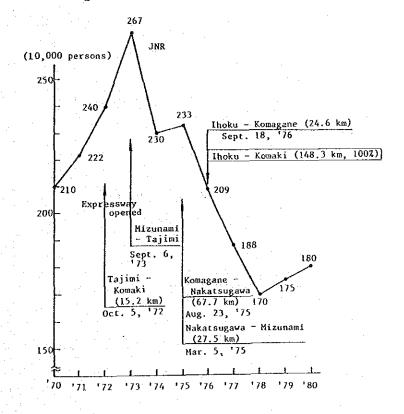
A - 24

OD between Miyagi and Iwate Prefectures (JNR Ordinary train Traffic on conventional lines

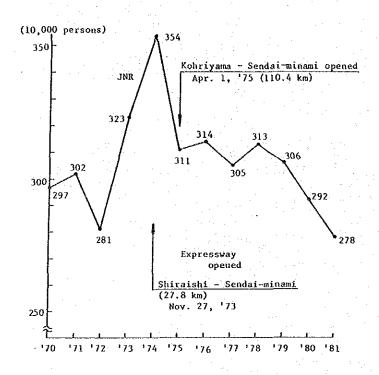
The same with subsequent graphics)



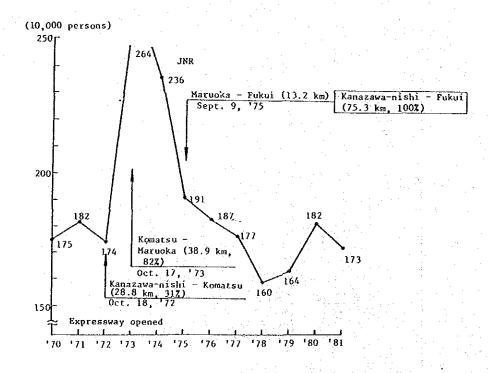
OD between Nagano and Aichi Prefectures



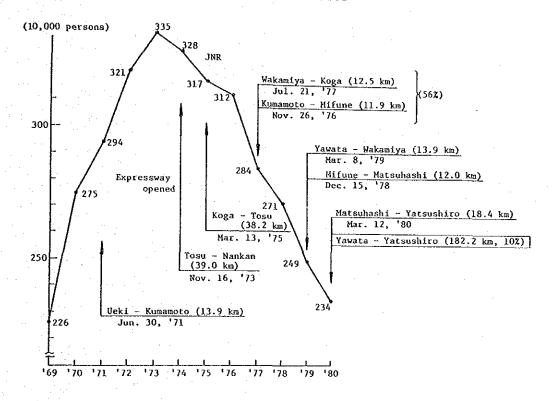
OD between Fukushima and Miyagi Prefectures



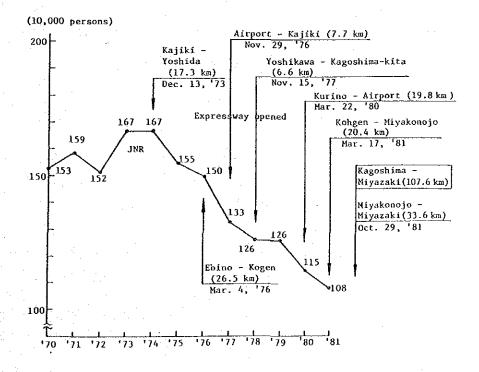
OD between Ishikawa and Fukui Prefectures



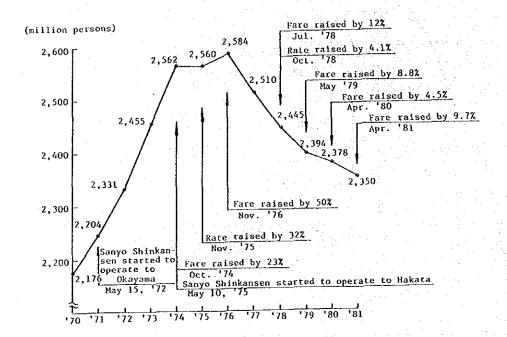
OD between Fukuoka and Kumamoto Prefectures



OD between Kagoshima and Miyazaki Prefectures



Total Passenger Carried by JNR



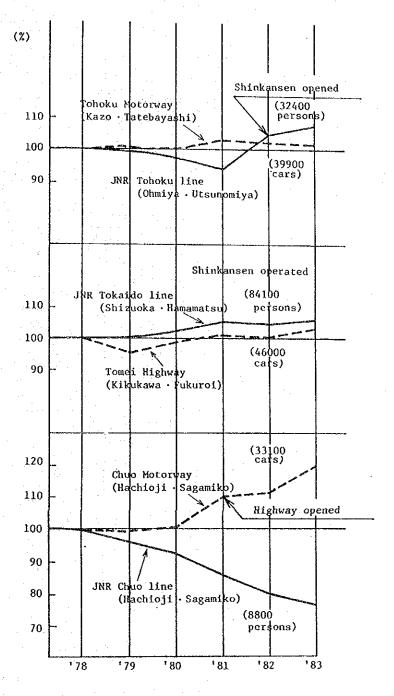
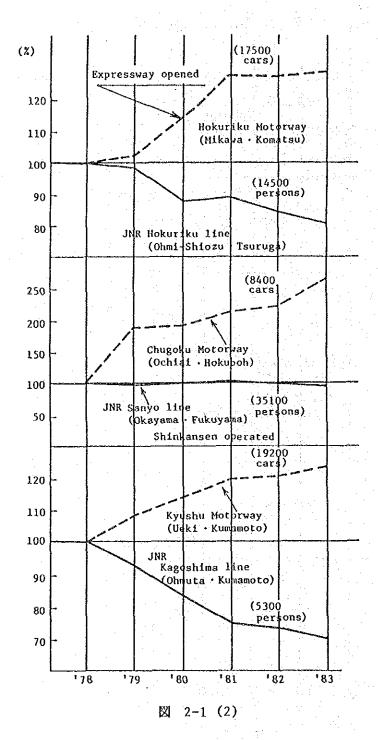


図 2-1 (1)



附録 4-2-1 List of Railway Stations
The West Coast Railway

Name of	Kilomete	rage	Classifi	cation	
stations	Cumulative	Between	Passenger St.	Goods St.	Note
Butterworth	0	1 ^K 500	S	S	
Perai	1 ^K 500	9K900		D	
Bukit Mertajam	11 ^K 400	22 ^K 200	1		, , , , , , , , , , , , , , , , , , ,
Nibong Tebal	33 ^K 600		3	,,	
Parit Buntar	38K250	4K650	4	Α	
Bagan Serai	50 ^K 400	12K150	3		
Taiping	80 ^K 100	29 ^K 700	1	В	
Padang Rengas	99K000	18 ^K 900	3		
Kuala Kangsar	107 ^K 500	8 ^K 500	1	A	· · · · · · · · · · · · · · · · · · ·
Ipoh	156 ^K 550	49 ^K 050	2	D	
Batu Gajah	168 ^K 800	12 ^K 250	3		
Malim Nawar	187 ^K 200	18 ^K 400	3		
Kampar	192 ^K 300	5 ^K 100	3	A	
Tapah Road	208 ^K 300	16 ^K 000	1	В	
Bidor	217 ^K 500	9 ^K 200	3		
Sungkai	234 ^K 000	16 ^K 500	3		
Slim River	254 ^K 500	20 ^K 500	. 3	A	
Behrang	265 ^K 700	11 ^K 200	3		
Tanjong Malim	276 ^K 400	10 ^K 700	1		
Kuala Kubu Road	293 ^K 100	16 ^K 700	3		
Rawang-Kuang	326 ^K 200	33 ^K 100	1	S	
Sungei Buloh	339 ^K 850	13 ^K 650	3		
	357 ^K 250	17 ^K 400	S		
Kuala Lumpur	337-430		<u> </u>		

	Kilomete	rage	Classification		
Name of stations	Cumulative	Between	Passenger St.	Goods St.	Note
Kuala Lumpur	357 ^K 250	10 ^K 750	\$		
Sungei Besi	368 ^K 000	12 ^K 500	3		*
Kajang	380 ^K 500	5K ₀₀₀	1		
Bangi	385 ^K 500	4 4 4 4 4		Α	
Seremban	422 ^K 750	37 ^K 250	2	В	
Tampin	466 ^K 600	43 ^K 850	,1	С	
Batang Melaka	492 ^K 000	25 ^K 400	3		
Gemas	517 ^K 400	25 ^K 400	2	В	
Segamat	542 ^K 700	25 ^K 300	1	A	
Labis	571 ^K 000	28 ^K 300	3	A	
Keluang	624 ^K 400	53 ^K 400	1	С	
	679 ^K 300	54 ^K 900	3		
Kulai		16 ^K 200	3		
Kempas Baru	695 ^K 500	13 ^K 600		A	
Johor Bahru	709 ^K 100	26 ^K 500	2		
Singapore	735 ^K 600		S	В	

The New East-West Railway

1	Kilometer	age	Classifi	cation	
Name of stations	Cumulative	Between	Passenger St.	Goods St.	Note
Kuala Lumpur	0	1 ^K 000	S		
Existing K. L.	7 _K 000	13 ^K 500	S		*
Batu Caves	14 ^K 500	21 ^K 100	3		*
Janda Baik	35 ^K 600	18 ^K 400	2		
Bentong	54 ^K 000	53 ^K 000	. 3		
Temerloh	107 ^K 000	53 ^K 000	1	С	
Maran	160 ^K 000	37 ^K 000	1		
Gambang	197 ^K 000	30 ^K 000	3		
Kuantan	227 ^K 000	46 ^K 400	2	D	
Chukai	273 ^K 400	25 ^K 600	1		
Paka (Kerteh)	299 ^K 000	34 ^K 500	S	С	
Dungun	333 ^K 500	71 ^K 000	1	A	
Kuala Trengganu	404 ^K 500	87 ^K 700	2	С	
Jerteh	492 ^K 200	15 ^K 300	1	A	
Pasir Puteh	507 ^K 500	28 ^K 500	1		
Bachok	536 ^K 000	11 ^K 000	3		
Kemasin	547 ^K 000	10 ^K 900	3		
Kota Bharu	557 ^K 900	10 700	S	С	

*	Po	rt Kuanta	n Line		
	Kilomete	Kilometerage		Classification	
Name of Station	Cumulative	Between	Passenger St.	Goods St.	Note
Kuantan	0	-Kana			
Port Kuantan	5K200	5 ^K 200		С	

	P	ort Chuka	í Line							
	Kilometerage Classification				Kilometerage Classification			Kilometerage		
Name of Station	Cumulative	Between	Passenger St.	Goods St.	Note					
Chukaí	0	9 ^K 000								
Port Chukai	9K000	7 000		S						

	T	elok Inta	n Line		
	Kilomet	erage	Classif	ication	
Name of Station	Cumulative	Between	Passenger St.	Goods St.	Note
Tapah Road	0	20/100			
Telok Intan	28 ^K 500	28K500		A	

	P	ort Kelan	g Line		
	Kilomet	erage	Classif	ication	
Name of Station	Cumulative	Between	Passenger St.	Goods St.	Note
Kuala Lumpur	0	oVoco	S		
Petaling Jaya	9 ^K 200	9 ^K 200	4		*
Subang Jaya	14 ^K 500	5 ^K 300	4		*
Shah Alam	23 ^K 000	8 ^K 500	3		*
Kelang	32 ^K 600	9 ^K 600	4		*
Port Kelang	42 ^K 400	9K800	2	D	*

	Po	rt Dickso	n Line		
	Kilomet	erage	Classi	fication	
Name of Station	Cumulative	Between	Passenger St.	Goods St.	Note
Seremban	0	36 ^K 100			
Port Dickson	36 ^K 100	20100		S	

	Pa	sir Gudan	g Line		
	Kilomet	erage	Classi	fication	
Name of Station	Cumulative	Between	Passenger St.	Goods St.	Note
Kempas Baru	0	31 ^K 590			
Pasir Gudang	31 ^K 590	31,590		D	

Note: In the column "classification",

1,2,3,4; Stations classification shown in Fig. 4-3-4

A,B,C,D ; Stations classification shown in Fig. 4-3-5

S ; Stations not included in the model of 4-3-2 (1)

in the report

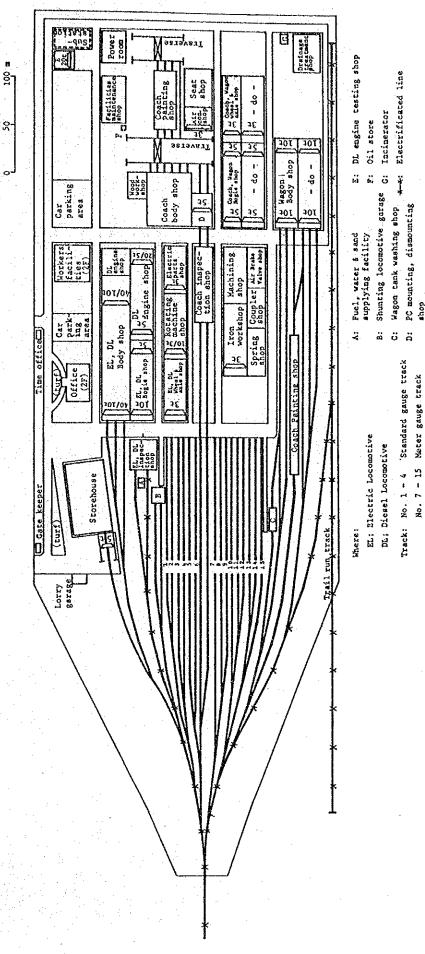
In the column "Note",

; Stations only for the KL urban transport

附録4-5-1 Rawang-Kuang工場のレイアウト

1991年時点の工場レイアウトは次頁の通りであり、4ケースとも共通である。 2005年に四線が開業し、全線が標準軌化された場合、工場レイアウトの変更点は次の 通りである。

- ① 電気/ディーゼル機関車体場後端のディーゼル機関職場は電気部品場に転用する。
- ② 木工職場は客車車体場に転用する。
- ③ 構内軌道は標準軌に変更する。
- ④ 電気/ディーゼル機関車整備室への入出場線は電化する。 メーター軌が存続する場合の工場レイアウトは1991年のままで2005年でも変更点はない。



Double gauge track

Others

附錄 6-2-1 Economic Analysis for Malaysia Railway Project

** ECONOMIC ANALYSIS FOR MALAYSIA RAILWAY PROJECT **

		# # # #	R R R R R R R R R R R R R R R R R R R	Hannahan		11.00000000000000000000000000000000000	H H H H H H H H H H H H H H H H H H H						
, ,	4					-			C MIL				
CANE I													
	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998
F 1 F 1 F 1 F 1 F 1 F 1 F 1 F 1 F 1 F 1													
TOTAL BENEFIT		!] 			1	171.8	180.9	192.0		399.7	425.5	450.4
TIME SAVING								29.9	31.5	33,3		94.1	6.66
PASS. FOR WORKS PASS. FOR LEISURE GOODS						20 0.4.6	S M G	22.50	0.00 4.4	30.6 2.6 0.1	82.6 6.9 7.0	87.7.01	92.8
COST SAUING	·			. 1		134.7	143.3	150.9	1.60.4	170.5	310.9	331.0	350.5
WITH THE PROJECT COST	 					94.9	97.3	101.3	104.0	106.8	217.9	221.4	226.8
RAILWAY						9 œ		10.7	44.4	11.6) (1) (1) (1) (1	0 00 0 00 0 00 0 00 0 00	20 V V V V V V V V V V V V V V V V V V V
WITHOUT THE PROJECT COST	1					229 20 4	240.6	252.2	1100	277.3	528.8	552.4	577.3
ROAD						1 4) in	- 66		1.801	224.50	232.7	241.4
AIR FLIGHT COASTAL SHIP						115.6		128.6		643.0 8.2	217.3	229.2	241.7
INCESTMENT												19. 24. 4.	
INCESTABLE UNITE		513.3				-1376.1	309.3	351.5	333.7	4000	1.7		٠ ا
WITH THE PROJECT INU.	11	11	665 11 12 13 14 14 14 14 14 14 14 14 14 14 14 14 14	E ·	316.1	11116.7	320.6	363.4	346.1	497.0	30.9	29.8	4.04 4.04
RAILWAY ROAD	276.1	513.3	665.2	724.3	316.1	-1132.3	319.9	362.6	345.3	496.2	17.9	8. 8.0 8.0	18.3
WITHOUT THE PROJECT INV.						259.4	 5.		12.4	13.0	252.9	22.4	23,4
ROAD AIR FLIGHT SEA			: : : : :			496.2 30.0 33.1	0 10	0.0	6 	4.9	226.7	43.4	9.22
CF FOR EIRR EIRR	14.08	-513. +4.08	-665.2 14.08	124.3	-316.2	1538.0	14.08	14.08	14.08	14.08	44,08	14.08	454.4 4.00

		H. H.	HERE HELE	# E H	化异亚甲烷酸苯苯甲烷 化氯化苯甲基苯甲基苯甲基苯甲基苯甲基苯甲基苯甲基苯甲基苯甲基苯甲基苯甲基苯甲基苯甲基苯		***************************************		140 M	Ž	٠,		
CASE												•	
				٠					,				
	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2669	2010	
		-		:					. i			 	
Fills - Prof	£		1	i.			;						
			のようの問題の	* H H H H H H H H H H H H H H H H H H H		0.850	6.468	6 72.4	89.1 69.1	.068	901	1377.	
TIME SAUING	106.1		1	129.1	138,8	1.19	į.	233.	•	47.	56.	347.5	
FOR WORKS	98.6	4	111.5	119.9	l ©	8	~	216.7	222.9	229.9	237.7	322.9	į,
ы Ш		-0 -0 -7	-0	© (0 (0 (0 (1	10-7		17.6	181	18.6	19.2	1.9 1.4 1.4	26.9	
COST SAVING	372.7	395		•	463.6	0	37.	638.7	640.6	642.8	45	1029.8	-
WITH THE PROJECT COST	230.6	23.4	4.74.7	2.00 2.00 2.00	124.9 194.9	2554	360.3	360.7	361.1	361.5	362.0	452.9	1
ROAD	. C4	· Ci	23.6	24.3	25.1	25.00	19.7	19.7	19.7	19.7	10.7	295	100
WITHOUT THE PROJECT C	COST 603.3	O 4	656.7	685,5 50,5 50,5 50,5 50,5 50,5 50,5 50,5	713.0	742.7	500	999,4	1001.7	1004.3	1007.1	1482.7	1536.
	0000 4.000	- 0	269.7	279.4	7007	301.4	366.7	388.8	3.44	393.7	396.5	1000 1000 1000 1000	•
FLIGHT	254.6	268.7	282.6	295.0	307.9	321.3		456.0	456.0	456.0	9	673.4	697
	10.4	10.7	11.0	 	11.6	11.9	٠, د.	13.1		13.1	3.1		1.
コンプログルスのアンドル		i		·									
INCENTAGNI UTTI	113.7	170.1		536.8	298.6		255.5	274.6	527.8	355.2		-447.	5
WITH THE PROJECT INV.		195.7	407.U		0.44	522.2		0	544.0	1 🕶 !	744.2	31.1	288.
RAILWAY ROAD	9.7	194.6	56.	6.4	507.6	4.0	-10.7	90	544.4	~ -		16.1 10.0	286.6
WITHOUT THE PROJECT I	INU. 24.5	'n	56.7	28.3	4	39.5	44.	4	17.0	234.4	26.5	479.0	
ROAD AIR FLIGHT	19.8	20.7	33.6	22.1	219.3	1 6 W	202.3	ነውው	43.9 3.1	23.23	23 4.4	412.4	i
パピカ		•	۳ 			4	e in	٠				÷	
CF FOR EIRR	492.4	5.5	. 43. 3. 5. 5.	32.6	303.8	155.3	1120.1	597.7	353.2	10.4 10.4 10.4	183.9	1825:2	1265
	14.05		90.4.	•	0	5 -	30.41	20.4-1	99	0 0 1	0	0	

EIRR

2024

2478 3322 1018 7104 223 323 33 -122.8 2681.5 14.08 183.5 146.3 712 579.3 4.8.4 321.2 977.0 1066.4 187.5 588.4 44.1 2386.2 2023 768.3 1797.8 2922.7 14.0B 02797.0 0427.0 0427.0 042.0 042.0 042.0 042.0 042.0 16.9 488.9 26.0 2435.2 664.8 55.4 -3.3 716.9 2022 1718.3 2032.0 467.3 6.699 464.8 ۲٠ ۲٠ 95.8 48.9 36.0 286.5 180.7 621.8 51.8 13.2 1648.6 2021 (MIL. RS 2460.0 14.08 2132.7 289.1 864.8 13.6 300.5 68.7 2.7 581.6 48.5 -3.1 114.6 371.9 556.9 516.7 2020 1575.8 626.9 959 ** ECONOMIC ANALYSIS FOR MALAYSIA RAILWAY PROJECT ** 2153.0 14.08 30 36.2 86 7.80 2097.0 2019 1507.5 587.5 1679.1 206.7 2004 6.68 4 + 6 6 4 6 1995.9 42.43 42.64 116.8 化苯苯甲苯甲酚 计多数分子单位计 2018 2011111111 1444.6 551,4 511.7 73.0 14.08 36.6 260.3 768.7 18.0 262.4 6B.5 275.8 0 K 1902.0 480.9 ι. Υ 525.4 489.0 2017 1383.9 518.1 14.08 119.4 0 9 N N 0 4 502 202 452.6 37.7 -2.8 2016 1828.7 487.6 1341.1 HHHHHHH 504.9 1935.3 118.7 450.4 455.8 1775.2 7.22.2 603.6 663.6 320.7 426.6 35.5 7.2.7 129.9 2013 1744.5 459,4 1285.0 1669.2 16.2 0.000 4 4 6 6 6 6 6 6 6 6 A H D B A B 83.0 80 K 89.2 402 33.5 2014 433,5 1229.5 86.0 ÷ 0. ⊕ 0. 1483.7 187.5 11年12年12日 189.7 2013 380.3 1177.9 409.5 1512.0 68.8 4-4 84.3 8 6 6 -82.3 387.2 359.7 2012 1126.7 WITHOUT THE PROJECT COST RAILWAY WITHOUT THE PROJECT INV. WITH THE PROJECT INU. WITH THE PROJECT COST RAILWAY PASS, FOR WORKS PASS, FOR LEISURE GOODS HAVESTRENT DIFF AIR FLIGHT COASTAL SHIP TOTAL BENEFIT CF FOR EIRR COST SAVING TIME SAUING AIR FLIGHT SEA INCESTMENT RAILWAY アロアロアコイ 计自转记移程记 CASE

45.4

764.4

824.6

180.1

	2025	2026	2027	2028	2029	2030	
AENET I							•
COTAL BENEFIT	2829.8	2981.5	3150.6	3324.5	3518.3	3719.5	
TIME SAVING	8866.3	954.1	1028.5	1110.4	1200.5		
PASS FOR WORKS	821.5	884.1	953.0	1028.7	1112.0	1203.7	
FOR	68.5	73.7	79.4	85.7	92.7	100.3	
20002	9.5	in in	9.2	0.4-	-4.1	-4.2	
COST SAVING	1943.5	2027.4	2122.0	2214.1	2317.8	2419.7	
FACO FOR ORGINAL META	4 4 4		450.4	;	7 EE7	ŀ	
	584.2	599.4	608.6	625	635.6		
40AD	46.9	48.3	49.8	1	52.9	,	
WITHOUT THE PROJECT COST	2574.0	2675.2	2780.3	i V	3006.4		
RALLENI ROAD	4.040	500 T	. 604. 0 0 0 0 0	0 C	1260	-	
H	1144.6	1000	72.00 cm	1272.7	1318.5		
COASTAL SHIP	23.0	23.7	24.4	IN IU	25.0		
INCEST REAL							
INVESTMENT DIFF	323.9	116.8	-207.0	-161.3	-275.3	-3129.1	
F 00 00 00 00 00 00 00 00 00 00 00 00 00	H C H H	日 世 日 日 日 日 日 日 日 日 日 日 日 日 日 日 日 日 日 日	20 10 10 10 10 10 10 10 10 10 10 10 10 10	#0 #0 #0 #0 #0 #0 #0 #0 #0 #0 #0 #0 #0 #	日 日 日 日 日 日 日 日 日 日 日 日 日 日 日 日 日 日 日	8 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	1.
	. 9	0.77	. !	9 1	/ · B !! !!		
RAILWAY	539.7	195.2	1.35.7	16.5	120.0	-44	
ROAD	⊲				6.9	-26.8	
WITHOUT THE PROJECT INV.	220.4	216.4	400.1	222.7	402.1	-1311.7	
ลกคุม	161.2	1995	373.6	! i	373.6		
AIR FLIGHT	34.5		21.9	22.8	23.7	193	
SEA	4.4	.0	4.6	4.7	₫.	- 72.4	
0 0 0 0 0 0 0	2566.0						
7 TO L L L L L L L L L L L L L L L L L L	14.08	44.08	14,08	14.08	14.08	14.08	

·		* 11 * 11 12 13 14 14	ECONOMIC Menespersing	ANALYSIS	ALYSIS FOR MALAYSIA	AYSIA RAII	LE CONTRACT	** LOUCON **	•				
CASE II					·				£	^ E			
	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1991	8664
				٠.		. •							
TOTAL BENEFIT	[] } }			! ! !		162.1	172.0	181.0	192.	203.	399.7	425.1	
TIME SAUING				i i		N N		29.9	25.65	33.3	. m	94.1	į į
PASS FOR WORKS	1 1 1 1 1		; 			20.00 20.00 20.00	. 401	27.5	29.0	30.6	82.6	87.5	92.8
PASS. FOR LEISURE GOODS				÷		T.T.	N	3	N 0	9.4	-6-7 -0-7	10.73	-0.7
COST SAVING						134.8			-	170.6	310.8	330.9	350.4
PROJECT COST	: 	! ! ! ! !	! ! ! !	 	, 1 ! !	1 .		101.2	103.9	106.7	217.9	221.0	226.8
RAILWAY							86.9	90 0	92.7	95.1	7.7.7	200.7	205.3
ROAD THE PROJECT COST				-		22.4 22.4 23.4	240 6	<u> </u> (4	264.5		7 7 8 7 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	01 K 02 K 02 K 03 K	577.3
RAILWAY				٠			16.0	~	17.4		77.3	80.6	84.1
ROAD	:				Š		95.3	16	103.6		224	232.7	241.4
AIR FLIGHT COASTAL SHIP						200	7.4	7.6	7.50	2 2 3 0 14	5.7	4.6	10.2
INUESTHENT											٠		
	27.4 4	, , ,	6.55	7.4.7		-1376 1	200	331	333 7	484		7.5	0.4
				11 四川東川田 柱]! { 1		H 11 H 11
WITH THE PROJECT INV.	276.1	513.3	665.2	724.3		-1116.7	320.6	363.4	346.1	497.0	30.7	29.8	19.4
RAILWAY	276.1	5. E. S.	665.2	724.3	- ·	-1132.3	319.9	362.6	345.3	496.2	13.0	28.8	18.3
WITHOUT THE PROJECT INV.						259.4		Ø.	12.4	13.0	252.9	22.4	23.4
ROAD			! !	 	 	196.2	8 U	0.6			226.7	£ 	6.0
AIR ELIGHT SEA						33.4	4.4		ш (N.	- <u>-</u>	40	. cı	, r.
										V.,			1. 4
ELERA ELERA	13.45	13.45	13.45	13.45	13,45	1538.1	187.3	14.45	13.45	-280.0 +3.45	621.8 13.45	13.45	13.45
												-	

		* 15	ECONOMIC	ANAL YSIS	S FOR MAL	AYSIA	RAILWAY P	PROJECT **	3 k. II				
CASE									Ē	L. X\$.			
	1999	2000	2001	2002	2003	2004	2005	2008	2007	2008	2009	0.00 to	2011
	478.7 7.88.7	508.6	5,727	U 69.6	602.7		692.8	701.4	710.2	720.9	732	746.0	760
TIME SAUING		112.7	0.1	129.		3	n		176.7	N G	194.7	205.4	217.3
PASS. FOR WORKS GOODS FOR LEISURE	986.7	104.7 8.7	-0.0	119.9 10.0 -0.8	128.8 10.7 -0.8	138.4 14.4 10.8	150.5 170.5 10.0	156.8 13.1	164.8 164.8 16.0		180.4 10.00	190.4 15.9	201.4
COST SAUING	372.6	395.8		440.6	•	487.2	N 90 N	32	33	535.7	538.1	540.6	. 17
WITH THE PROJECT COST RAILWAY ROAD	2000 2000 2000 2000 2000 2000 2000 200	222.9	247.5		2249.6	2295.0	1	231.9	200 200 200 200 200 200 200 200 200 200	23.0	233.5		
WITHOUT THE PROJECT COST RAILWAY	603.3 7.78	630.7	658.7 95.3		713.5	108.1			193.2		מס מ		
ROAD AIR FLIGHT COASTAL SHIP	200 200 400 400	259.8 268.7 10.7	269.7	279.8 295.0	290.4	321.3	4.00.7 4.00.4 4.00.4	330 42.2	348.1		323.4	3326 356 120 120 120 120 120 120 120 120 120 120	333 336 42.2 7.2
INCESTMENT RESERVED TO THE INCESTMENT DIFF		6. 6.	m m m	-7.	,	-15.6	-45.3	9	± 40	-221	7.	. (4)	4
WITH THE PROJECT INC.	10.8			E (V)	g •	10 10 10 10 10 10 10 10 10 10 10 10 10 1	H C .	62.53		, ii , iii , iii	14 ·	# # # # # # # # # # # # # # # # # # #	83.
RAILWAY ROAD	6.4	49.4			6.0		6.0	-0	1 83 1 0 0	43.0	7.9		261.8
WITHOUT THE PROJECT INV.	24.	25.6	56.7	28,3	225.8	39.5	47.3	32.4	17.0	234,4	26.5	28.0	59.5
ROAD AIR FLIGHT SEA	9,8 8.5 4.5	20.7	-10-	22 4.4 8.4 8.4	÷. ₩.÷			44. 9.0	4.2 4.4	1.02		4.10	1 4 4
CF FOR EIRR EIRR	492.4 13.45	13.4	844 44, 40	576.7	165. 43.45	652.1 13.45	738.1 13.45	671.4 13.45	126.4	942.3	750.3 13.45	173.0	557.5

(MIL, M\$)	
** ECONOMIC ANALYSIS FOR MALAYSIA RAILUAY PROJECT ** Pumpunanuannanunannanunannanuannannannannann	2018
ECONOMIC ANALYSIS FOR MALAYSIA RAILUAY PROJECTURE CONTRACTOR CONTR	2016 2017
IS FOR A	
C ANALYS	2015
ECONOMIC Companyant	2014
* 11	2013
	00 00 04

2018	925.5 351.9	325.6 325.6 10.8 573.5	2469	3507.8		-2191.6	1301 1301 1303 14.79 13.45 13.45
2017	893.2	201.4 201.4 1.00.8 2.5.6 2.5.6	244 244 244 244 26	44644 44644 44644 44644	148.7	2.0	74 44 74 74 74 74 74 74
2016		279.71	2000	3504 3504 3504 3504 3504 3504 3504 3504	2007 1007 1007 1007 1007 1007 1007	448.1	44 44 44 44 44 44 44 44 44 44 44 44 44
2015	839.2 284 11 11 2	260.7 24.7 10.8 10.8	200 200 40 40 40 40 40 40 40 40 40 40 40 40 4	34 54 54 54 54 54 54 54 54 54 54 54 54 54	-221.0 16.8	16.8 237.8	14 04 04 05 05 05 05 05 05 05 05 05 05 05 05 05
2014	03.6.1 10.00.00 10.00.00	24 20 20 20 20 20 20 20 20 20 20 20 20 20	237.8	2 4 W W A W W W W W W W W W W W W W W W W	1 B C C B C C C C C C C C C C C C C C C	35.6	8 44 W W W W W W W W W W W W W W W W W W
2013		227.6 19.0 10.8	237.1	444 444 444 444 444 444 444 444 444 44		44.24 G. 24	29.22 27.20 3.77.00
2012		24 2 3 3 4 5 8 3 4 5 8 3 5 4 5 8 3 5 4 5 8 3 5 4 5 8 5 8 5 8 5 4 5 8 5 8 5 8 5 8 5 8	235.7	8 - 1 - 2 - 2 - 2 - 2 - 2 - 2 - 2 - 2 - 2		10.8 1.1	27.4 4.8 4.8 13.45
	RENEFIT ***********************************	PASS. FOR WORKS PASS. FOR LEISURE GOODS COST SAVING	MITH THE PROJECT COST RAILWAY ROAD MYTHOMIT THE BEO HOT COST	RAILWAY ROAD AIR FLIGHT COASTAL SHIP	INVESTMENT ***********************************	ROAD WITHOUT THE PROJECT INV.	ROAD AIR FLIGHT SEA FLIGHT CF FOR EIRR FIRR

		* #	** ECONORIC	2	FOR MA	ANALYSIS FOR MALAYSIA RAILWAY	AIL MAY P	** LOUTONA **	* 1					
CASE III							ı	1	HIL.	^ \$E :				
	1986	1987	1988	1989	1990	1661	1992	1993	1994	1995	966)	1997	8661	
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יסניון אוניניין די	11. 12. 12. 13. 13. 13. 13. 13. 13. 13. 13. 13. 13								172.7	1004 1111111111111111111111111111111111	1		243.5	
TIME SAUING	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	: I	1	27.2	28.5	29.9	31.5	33.3	35.4	37.8	40.5	
PASS, FOR WORKS PASS, FOR LEISURE						25.9	86 60 60	27.5	29.0	30.6	32.5	34.8	37.3	
GOUDS			:			•	o	0	•	4	0.1		~ •	
COST SAVING		!	1		1	135.6	144.2	151.8	161.4	171.4	180,5	191.2	203.0	
					* -	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	96.4	100.4	103.4 92.0 11.1	6.46 6.46 6.46 6.46		4 + 4 + 4 + 4 + 4 + 4 + 4 + 4 + 4 + 4 +	140+ 140+ 140+ 140+ 140+ 140+ 140+ 140+	
RAILMAY					•	15, 23	4.0	16.7	264.0	2.0.2	7.71 18.9	19.7	250.00	
ROAD ATD G: TOUT						91.4	95.3	M. 99	103.6	108 144 144	7.52 7.00 7.00	117.7	122.9	
COASTAL SHIP							7.4	7.6	27.0) to	9 8	9.7	0.0	
INCENTAGENT BOARD BEAUTION BOARD BOA	4 760	r r	5. 5.45 5.	40C	¥ ***	1,478.7	6 6		1 ~	r.	40	ار ا ا	4	
WITH THE PROJECT INC.	276.1	513.3	4655.2	1 4	316.1	11 <		######################################	8 8 8 ~	18.1	# 4	II	(C) (C)	
RAILWAY ROAD	276.1	513.3	665.2 7	724.3	316:1	1235.0	36.8	6.0	6.0	17.3	39.4 9.8	1 63 1 63 1 6	6.0	
WITHOUT THE PROJECT INV.			÷			٠.	1113	11.8	12.4	13.0	13.7	14.3	15.0	
ROAD AIR FLIGHT SEA	1 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4		F E E I I] ! ! ! !	1	196.2 38.0 33.1	9 N.6		2 2			40.4 7.4 1.4	4 w w	
CF FOR EIRR EIRR	13.34	1513.3.	13,34	13.34	-316.2	1641.5	146.5	14.3.3	204.2 34.34	199.6	189.2	242.5 13.34	13.34	\

III

CASE

(MIL, M\$)

	1999	2000	2001	2002	2003	2004	2002	2006	2007	2008	2009	2010	2011
BENEFIT BENEFIT													
TOTAL BENEFIT	259.0	275.3	292.5	310.7	328.7	348.7		400.9	421.2	445.5	471.6	499.3	527.4
TIME SAUING		47.0	g.⊗.	, w	, o	67.5	74.3	6, 10	90.5	6.66	110.3	121.8	134.5
PASS, FOR WORKS BASS, FOR LEISURE GOODS	6 W 0	6 w w	4 4 6 6 6 6	24.0 12.0	5 4 4 7 7	ជា ក្នុង ក្នុង	& N ⊗ 4 \ \	พ พ ผ ผ	83.3 6.9	9.7.0	0.50	24.0	124 20.00 0.00
COST SAUING	215.4	228.3	241.8	254.9	267.4	281.3	305.2	3,8,9	330.7	345.7	361.3	377.5	392.9
MITH THE PROJECT COST RAILWAY	120.7	4.64.4	113.7	132.7	137.1	124.7	147 128 10.01	149.0	155.1	158.9	8.23	1.67.1	173.0
WITHOUT THE PROJECT COST RAILWAY	336.1	M N N N N N N N	10 m	- 80 - 60 - 60 - 60 - 60 - 60 - 60 - 60 - 6	40 C	7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	720.7	467.9	400.00 200.00 000.00	304.6	524.1	0 4 4 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7
ROAD AIR FLIGHT	128.3	134.1	140.7	2007.9	153.2	160.2	167.7	174.8	182.3	190.1	198.4	294.3	216.5
COASTAL SHIP	Ф М	9.6	5 6	10.3	10.6	10.9		11.7	12.0	4.5	12.8	13.2	13.6
HUNDENT PERMIT	9		6 7 1	e S	0 87) -	ड ५ ०	0 8 1	6	0	۲۹ ۲۹ ۱	2 4 1	r r	* · · · · · · · · · · · · · · · · · · ·
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בווד באר דאטנאנו באני	B	43.	2.5	14.5	0.00	4.4	0.1	7 - 7 /	. t	۲۰۰	21.8	17.5	8.957
ROAD	9.0 8.0	122.7	20 0.10	N.⇔	31.9	- M	~ 00	70.5	4 - 4 00	-0-	6.9	17.0	22.0
WITHOUT THE PROJECT INV.	15.8	\$6.6	47.5	19.4	216.6	29.9	33.8	30.3	31.7	33.3	35.0	36.7	68.7
ROAD ATR EL TGHT	7. C	2.6	13.3	6. 6 6. 6	210 4	24.0	25.4	24.4	201.4	26.8	28.3	29.8	35.4
SEA	φ- ,	4	£0. ★	Į,	9.	9.1	1.6	1.6	1.7	2.1	œ	С	6
CF FOR EIRR EIRR	13134	13.34	24 8 4 14 4	315.6	13.34	373.7	410.3	359.0	449.0	476.8 13.34	484.7	516.5	365.3

	2012	2013	2014	2015
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RAILWAY	55	0	40	70.
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NITHOUT THE PROJECT COST	580 51		636,1	661.7
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AIR FLIGHT	: <\	19		1
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INCESTMENT DIFF	3,9	109.7	-20.4	30,
	11 K F F F F F F F F F F F F F F F F F F		ĥ	13. 13. 13. 13. 13. 13. 13. 13. 13. 13.
WITH THE PROJECT INV.	45.6	153.6	25.7	CV I
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20AD	7.	64	N	۲.
JITHOUT THE PROJECT INV.		٠,	-63	-189.
	i .	1 •	•	i i I in i
AIR FLIGHT	9 . 9 .	ν.υ. ©	۲. U	155.6
CF FOR EIRR	555.5	483.2	650.2	1998.5
FIRE	ы ы	M	73 73	

F-3-1 Fcial Analysis for Malaysia Railway Project MALANSIA RAILWAY PROMETA 1986 1987 1988 1989 1990 1991 1992 1993 1994 1989
##4_A_A_A_A_S_A_A_A_A_A_A_A_A_A_A_A_A_A_A_
HALANSIA Anilaysis for Malaysia Railway Project 1967 1968 1989 1990 1991 1991 1992 1993 1994 1995 1998 1967 1968 1989 1990 1991 1991 1992 1993 1994 1998 1968 1969 1999 1999 1999 1999 1999 1999
This call Analysis for Malaysia Railway Project WHALWSA RAILWAY PROJECT WHALWS A RAILWAY PROJECT WHALL REPORT A RAILWAY PROJE
1968 1889 1990 1991 1992 1993 1994 1995 1998 1998 1998 1998 1998 1998 1998
S. FOT Malaysia Railway Project S. WIL.) S.
FOLNECT Malaysia Railway Project 1990 1991 1992 1993 1994 1995 1996 .00 805.00 851.00 900.00 953.00 1008.00 3388.00 .00 822.00 843.00 964.00 686.00 709.00 1804.00 .00 823.00 843.00 864.00 686.00 709.00 1804.00 .00 10 10 10 10 10 10 10 10 10 10 10 10 1
51a Railway Project 1991 1992 1993 1994 1995 1996 1991 1992 1993 1994 1995 1996 105.00 851.00 900.00 953.00 1008.00 3368.00 105.00 843.00 664.00 688.00 709.00 1804.00 106.00 843.00 664.00 688.00 709.00 1804.00 107.00 05.00 664.00 688.00 709.00 1804.00 108.00 643.00 664.00 688.00 709.00 1804.00 108.00 5.00 5.00 5.00 5.00 5.00 5.00 108.43 159.40 178.20 5.00 5.00 5.00 5.00 144.31 159.40 178.20 195.16 216.08 628.9 144.31 159.40 178.20 195.16 216.08 628.9 144.31 159.40 178.20 195.16 124.0 10.27 12.38 12.83 13.22 13.88 12.83 10.27 12.38 12.83 13.32 13.89 10.27 12.38 12.83 13.32 13.89 10.27 12.38 12.83 13.32 13.89 10.27 12.30 12.44 68.84 68.84 154.5 2.13 2.13 2.13 2.12 2.13 4.154.5 2.13 2.13 2.13 2.13 2.13 2.13 2.13 2.13
Project 2 1993 1994 1895 1996 2 000 00 953.00 1008.00 3388.00 10 382.00 628.00 709.00 1804.00 10 382.00 688.00 709.00 1804.00 10 382.00 688.00 709.00 1804.00 10 5.00 688.00 709.00 1804.00 10 5.00 5.00 5.00 5.00 5.00 10 5.00 5.00 5.00 5.00 5.00 11 78.30 195.16 216.08 626.9 12 20.22 23.58 27.48 255.3 12 48 88.84 88.84 88.84 154.5 12 4.77 24.77 24.77 24.77 24.77 34.77 34.77 34.77 34.77 34.77 34.77 34.77 36.83 23.5
5.00 853.00 1008.00 3388.00 44.00 858.00 40.00 853.00 1008.00 3388.00 44.00 686.00 709.00 1804.00 5.00 5.00 5.00 5.00 5.00 5.00 5.00
53.00 1098.00 3388.00 24.00 471.00 5880.00 26.00 471.00 5880.00 33.77 5.00 5.00 5.00 5.00 5.00 5.00 5.00 5.00
1995 1995 1995 1995 1995 1995 1995 1009
800 000 000 000 000 000 000 000

CAPITAL COST		333.58	650.30	889.12	1054.21	549.58	158.42	538.10	817.89	622.39	1120.07	38.12
CUMULATIVE		333.58	983.88	1872.98	2927.19	3476.78	3636.20	4172.31	4780.20	5412.59	8532.86	8568.78
DETAILED CAPITAL COST CIVIL & TRACK CUMULATIVE		228.22	473.47	742.87	641.97 2086.33	123.29	91.46	258.97 2598.05	473.18	343.70	75.25	3490.18
ELECTRIFICATION CUMULATIVE		000	38.32	80.17	94.98	11.12	204.58	55.40	87.34	137.80	18.25 501.38	501.36
SIGNALS CURULATIVE		000	9.6	15.07	23.74	2.75	51.17	12.26 63.43	19.39	30.46	3.52	116.80
TELECOK		000	18.29 18.29	28.81	45.31	5.24	97.65	23.49	37.08	58.31	6.68	223.22
ROLLING STOCK CUMBLATIVE		000	000	000	133.08	328.84	461.93	76.61	539.47	539.47	882.70	24.42 1456.58
VORKSHOPS CUMULATIVE		000	000	42.40	109.82	69.98	222.18	222.18	222.18	52.11	82.57	356.87
CONTAINER HAND, FACIL CURULATIVE		000	000	000	5. 333	3.83	9.17	9.17	9.17	9.17	43.08 52.25	63.85
HISCELLANEOUS CUNULATIVE		000	000	000	000	4.58	4.58	4.56	. 4 0 8 0 8	4.58	4.58	4.58
LAND ADQUISITION CUMULATIVE		105.34	110.61	215.95	215.85	215.85	87.96	71.38	355.28	355.28	355.28	355.28
INT DURING CONSTRUCTION CUMBLATIVE	-	000	16.68 16.68	50.03	00.08 163.69	154.54	318.23	318.23	318.23	318.23	318.23	318.23
TOTAL CAPITAL COST CUMULATIVE		333.58	888.97 1000.54	939.15	1151.19 3090.88	704.14	159.42	538.10	617.89	622.39 5730.82	1120.07	36.12 6887.02
-SALVAGE VALUE		00.	00.	00.	00.	00.	00.	00.	00.	00	00	00.

CASE I

			MALAYSI SHHHHHHH (UN	A RAILWAY TENENTER IT : MS H	PROJECT TL.)					·	
	1987	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007
ASSUMPTIONS TRAFFIC DEMAND PASSENGERS (1) (HIL.PERSON.KH) PASSENGERS (2) (HIL.PERSON.KH) GOODS (HIL.TON.KH)	3527.00 852.00 1851.00	3892.00 725.00 1900.00	3866.00 806.00 1950.00	4047.00 896.00 2001.00	4237.00 997.00 2053.00	4399.00 1104.00 2108.00	4586.00 1221.00 2183.00	4740.00 1352.00 2220.00	8116.00 1497.00 3850.00	8116.00 1856.00 3860.00	8116.00 1833.00 3880.00
PASSENGERS(1) (\$ PER PERSOH.KH) PASSENGERS(2) (\$ PER PERSOH.KH) GOODS (\$ PER TON.KH)	11.00	 2014	101.	# P 9 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	4 8 0	H00H	HOH BOS	 100 188		110000	
ESCALATION RATE (X) INVESTMENT COST RAIL FARE HAINT & OPERAT COST	5.00 0.00 0.00	8 2.00 8.00	8 W W W C C C C C C C C C C C C C C C C	8 N. 00	88.00	8 8 9 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	999 999 999	mmm 000	000 000 000 000	000 000 000 000	999 999 999
PROFIT & LOSS STATEMENT REVENUE PASSENGERS(1) PASSENGERS(2)	686.78 401.75 41.94 243.09	752.55 441.58 48.97 262.00	825.01 4855.01 57.18 282.34	904.58 533.65 66.72 304.21	992.31 586.64 77.95	1083.48 639.52 90.63	1182.92 696.99 105.25 380.67	1292.34 759.73 122.37 410.24	2257.11 1365.88 142.27 748.87	∞ <1 	2523.87 1505.88 192.06 825.74
EXPENSE REPLACE COST PERSONNEL COST ENERGY COST	231.17 151.72 29.32 50.13	243.43 157.99 30.63 54.81	256 164 132 59 59 59	270.87 171.70 33.62 85.55	286.17 179.14 35.32 71.71	301.77 37.12 78.05	318.43 194.44 39.06 84.93	336.31 202.67 41.19 92.45	572.97 340.72 87.71 164.54	358.18 70.28 173.218	825.72 370.32 73.02 182.38
INTEREST PAYKENT	04.5	86.8	23.6	90.7	78.0	98.2	42.8	80 80	9-4 1 9-4 1	30.5	51.7
DEPRECIATION CIVIL & TRACK ELECTRIFICATION SIGNALS TRIENCE	01 04 0.4 0.4 0.0 0.0 0.0 0.0 0.0	888 848 867 868 868	200 440 440 440 440 440 440 440 440 440	200 00 00 00 00 00 00 00 00 00 00 00 00		25 C C C C C C C C C C C C C C C C C C C	173 38 38 48 48 48 48 48	27 4 4 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	20.58 20.382 10.782 16.782	357.15 81.82 20.35 10.76	35 60 100 100 100 100 100 100 100 100 100
ROLLING STOCK WORKSHOPS CONTAINER HAND. FACIL HISCELLANBOUS	രായവാഗം		6000 0000	- Critica	400 60000	4 10 to	80 HH 40 W 80 W W W	8 4 - 2 5 - 2	06-4 1844-4	24.0	4 0 4 8 4 0 6
NET TROOME	# 1 10 1 # # # # # # # # # # # # # # # #	1 ** 11	1 (2), H	# 278 8 2 H H H H H H H H H H H H H H H H H	23.24 3.35 4.35 1.34 1.44	410 12 12 12 12 1	14.4 14.4 18.4 18.4 18.4	1 4 4 4 1 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	392.49	111111111111111111111111111111111111111	1187.19

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1880.22	, c	3.8	168.9	15.1	28.57	48.87	448.83	58.7	14.03	604.31	318.23	1880.23	00.
978.11	14039.07	804.	123.6	IO.	539.72	74.95	.00	89.24	9.47	604.31	318.23	978.11	00.
00	13080.98	0 %	23.0	259,11	539.72	3412.65	.00	169.48	4.58	604.31	318.23	13379.19 1	00.
1868,05	080.8	∞ ∞	~ ₹ 00	7.84	17.17	1365,48 3412.65	27.89	35.61	4 56	804.31	318.23	1666.05	00
1524.78	394.8	840.72	288.83 1090.25	68.21	147.07	120.08	61.87	133.87	4.58	604.31	318.23	1524.78	00
1500.85	9870.14	1073.59	183.63	41.88	93.14	108.42	356.87	133.87	4.56	604.31	318.23	1500.85	00.
1148.41	8389.40	675.23	118.43	26.59	59.13	73.55	356.87	69.92	.00 4.58	127.55	318.23	1148.41	00.
504.42	7221.09	242.30 3732.45	501.36	116.80	223.22	140.65	356.87	63.95	4.58	121.48	318.23	504.42	00
27.35	8718.86	3490.18	501.38	118.80	223.22	27.35	358.87	63.85	4.56	355.28	318.23	27.35	00.
45.04	6689.32	3490.18	501.38	118.80	223.22	45.04	356.87	63.95	4.56	355.28	318.23	45.04	00.
75,50	6644.28	3490.16	501.38	116.80	223.22	75.50	356.87	63.95	4.58	355.28	318.23	75.50	00.
日本の日本の日本の日本の日本の日本の日本の日本の日本の日本の日本の日本の日本の日	CUNDUATIVE	DETAILED CAPITAL COST CIVIL & TRACK CUMULATIVE	ELECTR IFICATION CUMULATIVE	SIGNALS CUMULATIVE	TELECON CUMULATIVE	ROLLING STOCK CUMULATIVE	WORKSHOPS CUMULATIVE	CONTAINER HAND, FACIL CURULATIVE	HISCELLANEOUS CUMULATIVE	LAND ADQUISITION CUMULATIVE	INT DURING CONSTRUCTION CUNDLATIVE	TOTAL CAPITAL COST CUMULATIVE	-SALVAGE VALUE

			HALAYSI marama (UN	A RAILWAY Serenses IT : MS H	PROJECT						
	2008	2008	2010	2011	2012	2013	2014	2015	2018	2017	2018
TRAFFIC DEHAND TRAFFIC DERAND PASSENGERS(1) (HIL.PERSON.KH) PASSENGERS(2) (HIL.PERSON.KH) GOODS (HIL.TON.KH)	8116.00 2029.00 3860.00	8118.00 2246.00 3860.00	11211.00 2488.00 5133.00	11615,00 2752,00 5282,00	12033.00 3048.00 5458.00	12488.00 3371.00 5625.00	12915,00 3731,00 5789,00	13380.00 4130.00 5879.00	13881.00 4571.00 6184.00	14360.00 5080.00 6355.00	14877.00 5800.00 6553.00
RAIL FARE & TARIFF PASSENGERS(1) (\$ PER PERSON.KH) PASSENGERS(2) (\$ PER PERSON.KH) GOODS (\$ PER TON.KH)	.119	21.2	24.0	. 133 263	2.2.	21.2	2	. 157		.30 .17	32
ESCALATION RATE (%) INVESTMENT COST RAIL FARE MAINT & OPERAT COST	000 000 000 000 000	000	000 000 000 000	0 0 0 0 0 0	200 000 000	m m m	000 000 000 000 000	9000 9000	n m n	2.00 2.00	8 2.00 000 000
PROFIT & LOSS STATEMENT REVENUE PASSENGERS(1) PASSENGERS(2)	2671.42 1581.17	2830 1660 255 255 255	3980,70 2408,02 301,54	4348.07 2619.53	4746.99 2849.50	51185 8080 873 873 843 843	5867.47 3371.847	6196.97 3667.91	8778.35 3989.75 742.99	7418.08 4340.05 883.80	8122.28 4721.12
* 1800 * 1800	~ ±000	00 00 00 00 00 00 00 00 00 00 00 00 00	27. 27. 27. 27. 27. 27. 27. 27. 27. 27.	376.0 039.2 619.6 313.3	20 11 10 10 11 10 10 11 10 10 11 10 10 11 10 10 11 10 10 11 10 10 11 10 10 11 10 10 11 10 10 10 10 10 10 10 10 10 10 10 10 10 1	202.2 709.2 709.3 371.7	745 745 7387 130 130 130 140 150 150 150 150 150 150 150 150 150 15	2 0144 2 0200 7 4000	4 0007 0022 0024 004	212 214 223 223 24 25 25 25 25 25 25 25 25 25 25 25 25 25	397.9 397.9 397.9 175.0 169.1
INTEREST PAYNENT	443.29	552.87	702.10	639.88	577.89	515.78	453.87	391.58	313.25	234.94	156.83
DEPRECIATION CIVIL & TRACK ELECTRIFICATION SIGNALS TELECON ROLLING STOCK	359.04 01.82 10.359.04 10.35 204.88	359 201 201 201 301 301 301 301 301 301 301 301 301 3	272.09 103.49 14.114 220.73	1027 1037 1037 1037 1037 1037 1037 1037 103	201 200 200 200 200 200 200 200 200 200	822.2 82.2 82.2 83.2 83.2 83.2 83.2 83.2	103.88 103.88 38.51 17.53 420.53	746 103.48 36.51 17.63 4.55 5.58	856. 1053. 1053. 1363. 136. 137. 137. 137. 137. 137. 137. 137. 137	222.13 22.13 22.13 23.13 24.60 24.60 24.60	937.07 103.49 38.51 22.13 31.82 20
		24.94	54.10	59.0	59.0	20 C	20 B	20 L	25. 1 . 2 . 2 . 2 . 2 . 2 . 2 . 2 . 2 . 2	2 1	20. 20. 20. 20. 20. 20. 20. 20. 20. 20.
NET INCOME	1214.79	1233.89	1741.60	2044.83	2414.6	• # • #	3223.56	3666.13	4176.02	4670.6	22×8×25

CAPITAL COST	2187.71	2988.54	165.42	1409.79	327.63	886.58	530.20	1040 95	3102.57	906.82	880.73
CUMULATIVE	18107.01	21095.55	21260.97	22670.75	22098.39	23864.94	24395 15	25436 10	28538.67	29445.49	30306.22
DETAILED CAPITAL COST #SBU-LINIT# CONTINUATION REQUIRED, ENTER S.		* *									
CUNIL & TRACK CUNULATIVE	1454.52	673.88 11052.37	11052.37	11052.37	11052.37	11052.37	11052.37	11052.37	11052.37	.00	11052.37
ELECTRIFICATION CUMBLATIVE	443.77	279.37	2015.78	2015.78	2015.76	2015.78	2015.78	2015.78	2015.78	2015.78	2015.76
SIGNALS CUMULATIVE	40.64	340.53	340.53	112.30	452.82	452.82	452.82	452.82	144.17	596.99	598.98
TELECON CUMULATIVE	74.82	47.41	690.52	155.53 846.05	846.05	.00 848.05	848.05	846.05	200.17	.00	.00
ROLLING STOCK CURBLATIVE	148.03	1814.46 5498.95	119.97	1028.06	327.63	244.79	530.20	809.42	2612.88 11171.82	906.82 12078.74	484.32 12563.08
WORKSHOPS CURULATIVE	25.93 472.56	11.85	484.41	.00	484.41	821.76	1106.17	1108.17	1106.17	1106.17	.376:41 1482.58
CONTAINER HAND, FACIL	258.72	135.98 364.88	45.44	113.89	554.01	554.01	554.01	231.53	145.38	930.90	930.90
HISCELLANEOUS CUNULATIVE	14.03	.00	.00	14,03	14.03	14.03	14.03	14.03	14.03	14.03	14.03
LAND ADQUISITION CUMULATIVE	604.31	604.31	804.31	604.31	604.31	804.31	604.31	804.31	604,31	604.31	604.31
INT DURING CONSTRUCTION CUMBLATIVE	318.23	318.23	318.23	318.23	318.23	318.23	318.23	318.23	318.23	318.23	318.23
TOTAL CAPITAL COST CUMULATIVE	2187.71	2988.54 21413.78	165.42	1409.79 22988.99	327.63	866.58 24183.18	530.20 24713.38	1040.95	3102.57	906.82 29763.72	860.73 30824.46
-SALVAGE VALUE	00.	00.	.00	00.	00.	00.	00	00.	00.	00.	00.

			•	HALAYSI HHHHHHHH (UN	A RAILWAY ====================================	PROJECT mananana IL.)							LIKK
		2019	2020	2021	2022	2023	2024	2025	2028	2027	2028	2029	
· .	ASSUMPTIONS TRAFFIC DEMAND TRAFFIC DEMAND	15413.00 8199.00 8758.00	15968.00 6861.00 6965.00	16561.00 7594.00 7181.00	17158.00 8405.00 7404.00	17775.00 9302.00 7633.00	18415.00 10296.00 7870.00	19078.00 11395.00 8114.00	19765.00 12812.00 8365.00	20477.00 13959.00 8824.00	21214.00 15449.00 8892.00	21877.00 17088.00 9187.00	
	PASSENGERS(1) (\$ PER PERSON.KH) PASSENGERS(2) (\$ PER PERSON.KH) GOODS (\$ PER TON.KH)	 ო ლ დ		 624	2014 2014		4.54 8.4.8	4.4.0 0.84	4.07.0 1-8.4	4.0.R	28. 28. 28.	 4 tu &	
Α	ESCALATION RATE (X) INVESTMENT COST RAIL FARE HAINT & OPERAT COST	000 000 000	9 0 0 0 0 0	8 8 9 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0	8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	M M M	8 8 9 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	6 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0	9 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	
-54	PROFIT & LOSS STATEMENT STEEDING STATEMENT REVENUE PASSENGERS(1) PASSENGERS(2)	8897.89 1156.44 2595.47	9751.88 5588.75 1355.58	10700 8083 1575-83 3041-52	11742.00 6618.41 1830.83	12891.10 7199.23 2127.53 3564.34	14162.74 7831.37 2472.62 3858.76	15589.67 8518.99 2873.37 4177.32	17128.17 9267.04 3339.28 4521.88	188 10008 438860 43860 900 900 900 900 900 900 900 900 900 9	20775.05 10965.93 4509.68	22905.75 11928.38 5240.89 5736.50	
	EXPENSE & REPLACE COST PARSONNEL COST ENERGY COST INTEREST PAYHENT	1884.70 1075.22 189.16 820.32	2008.03 1127.27 204.53 678.22	2203.90 1244.48 221.52 737.89	2348.55 1303.53 240.17 804.84	2575.63 1436.89 260.70 878.03	2747.23 1505.63 283.37 958.23	3013.41 1858.98 308.39 1048.05	3219.45 1741.11 336.05 1142.29	3533.28 1918.79 366.66 1247.84	3777.51 2013.30 400.57 1383.84	4142.68 2213.82 438.16 1490.70	
	EPRECIATION CIVIL TRAC CIVIL TRAC SIGNALS SIGNALS TELECON ROLLING STOC CONTAINER NA MANSHOPS								4400000000				
	ИСОМВ		1 0 H 1 0 H 1 0 H 1 0 H 1 1 H 1 1 H 1 1 H 1 1 H	e (icositti iti - iti	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	rtova rtova rtova	i co it	1 - 11	101	(၂) (၁) (၂) (၂) (၂) (၂) (၂) (၂) (၂) (၂) (၂) (၂) (၂)	1 4 11	1 - 11	

TOTAL DESCRIPTION												
STATE TO STA		324.35	1284.90	3078.37	142.99	1791.25	239.90	5842.92	1812.65	1745.22	616.72	1448.80
T T T T T T T T T T T T T T T T T T T	8	30630.57	31915.47	34994.85	35137.84	36929.08	37168.98	43011.80	44824.55	46569.78	47186.49	48633.29
DETAILED CAPITAL COST CIVIL & IRACK CHARLATIVE	H	.00	.00	11052.37	11052.37	11052.37	11052.37	11052.37	11052.37	11052.37	11052.37	11052.37
CCCCCTRIFICATION		2015.78	2015.76	480.28 2496.05	2496.05	2496.05	2496.05	2488.05	897.00	3193.05	3193.05	3193.05
SIGHALS		596.99	596.99	598,99	.00 596.88	596.98	586.88	314.84	911.63	911.63	911.83	911,63
TELECON CUMIL ATTUR		1048.22	1046.22	1048.22	1046.22	1046.22	1048.22	1550.75	1550,75	1550.75	1550,75	1550,75
ROLLING STOCK	 1	324.35	989.40 13878.82	2393.88	142.99 16413.69	1791.25	239.90 18444.83	4646.62 23091.46	878.88	1483.91 25464.25	616.72 26080.96	1446.80 27527.78
CONCENTY CON		1482.58	1482.58	1482.58	.00	1482.58	1482.58	1482.58	1482.58	251.31 1733.89	1733.89	1733.89
CONTAINER HAND. FACIL		930,90	222	185.52	1411.91	1411.91	1411.91	377.13	236.77	2025.81	2025.81	2025.81
CUMULATIVE HISCELLANEOUS		14.00	14.0		33,72	33.72	33.72	33.72	33,72	33.72	33,72	33.72
CORUCALIVE LAND ADQUISITION		804.31	804.	604.31	.00	504.31	504.31	804.31	804.31	604.31	804.31	604.31
CURULALIVE INT DURING CONSTRUCTION		00.	. e	318,23	318.23	318,23	318.23	318.23	318.23	318.23	3.18,23	318.23
CUMULATIVE TOTAL CAPITAL COST		324.35	1284.0	3079	142.99	37247.32	239.90	5842.92	1812,65	1745,22	816.72	1446,80
CUMULATIVE -salvace value		00.	0.	٥.	00.	00'	00.	00.	00	00	00.	00,
1,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,										-		

2030	22769.00 18925.00 9452.00	8884	000 000 000		25277.32 12976.14 6090.80 6210.58	4430.83 2320.49 479.93 1630.40	00	1931.96 103.49 86.67 37.51	0.00 4 6 6	18914.54
	ASSUMPTIONS TRAFFIC DEMAND PASSENGERS(1) (MIL.PERSON.KH) PASSENGERS(2) (MIL.PERSON.KH) GOODS (MIL.TON.KH)	PASSENGERS(1) (\$ PER PERSON.KH) PASSENGERS(2) (\$ PER PERSON.KH) GOODS (\$ PER TON.KH)	ESCALATION RATE (%) INVESTHENT COST RAIL FARE MAINT & OPERAT COST	F= 11	EVENUE PASSENGERS (1) PASSENGERS (2) GOODS	EXPENSE. WAINT. & REPLACE COST PERSONNEL COST ENERGY COST	INTEREST PAYMENT	RECIA TWIL TOTA TOWAL	TELECON ROLLING STOCK WORKSHOPS CONTAINER HAND. FACIL MISCELLANGOUS	NET INCOME

# # #		7021.3
CURULATIVE		55854.84
DETAILED CAPITAL COST CIVIL & TRACK CUMULATIVE		11052.37
ELECTR IFICATION CUNULATIVE		3183.05
SIGNALS CURBLATIVE		179.01
TELECON		240.08 1790.80
ROLLING STOCK CHNULATIVE	••	5120.95 33648.71
VORKSHOPS CUMULATIVE		1733.89
CONTAINER HAND, FACIL CUNGLATIVE		481.33
HISCELLANEOUS CUNULATIVE		33.72
LAND ADQUISITION CURULATIVE		604.31
INT DURING CONSTRUCTION CUMBLATIVE		318.23
TOTAL CAPITAL COST CURBLATIVE	1	28924.43
-SALVAGE VALUE	, .	27048.44

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CASE II FIRR : 8.52			HALAYSIA emmemment (UNI	RAILEAN HERRAN THERRAN	PROJECT						
	1888	1987	1988	1989	1990	1881	1992	1883	1884	1995	1998
ASSUMPTIONS BUNKERSONS TRAFFIC DEMAND											
	000	000	000	000	000	805.00 309.00 823.00	851.00 343.00 643.00	900.00 382.00 664.00	953.00 424.00 888.00	1008.00 471.00 709.00	3358.00 588.00 1804.00
RAIL FARE & TARIFF PASSENGERS(1) (\$ PER PERSON.KH) PASSENGERS(2) (\$ PER PERSON.KH) GOODS (\$ PER TON.KH)	000	000	000	000	000	\$ 0 T			00H	0 8 8	1001
ESCALATION RATE (x) INVESTHENT COST RAIL FARE HAINT- & OPERAT COST	n n	5.00 000 000	5,00	5.00 5.00 5.00	5 000 0000	ы 000 000	. 000 000 000 000 000	0000 0000 0000 0000	5.00 5.00 600	, v v v	9000 0000 0000
PROFIT & LOSS STATEMENT		;			;	•					
PASSENGERS (1) PASSENGERS (2) GOODS	0000	0000	0000	0000	0000	144.31 688.43 14.83 61.05	159.40 17.29 68.18	176.30 84.34 20.22 71.74	23.77 23.56 77.82	218.08 104.14 27.48 84.46	365.37 365.37 255.30 225.84
EXPENSE HAINT & REPLACE COST PERSONNEL COST ENERGY COST	0000	0000	0000	0000	0000		78.84 12.38 11.30	82.56 57.29 12.83	86.46 59.42 13.32	90.83 81.68 13.88 15.12	214.98 141.01 28.11 45.85
INTEREST PAYHENT	00.	00.	00.	00.	00.	189.68	197.72	224.77	258.14	287.59	344.08
DEPRECIATION CINIE & TRACK ELECTRIFICATION SIGNALS TELECON	00.	00.	00.	00	000	01-1-10	05-5-40	800 400 400 400 400 400 400 400 400 400	00000	0 ~ ~ ~ 0	154.72 34.92 9.03 7.83
ROLLING STOCK WORKSHOPS CONTAINER HAND: FACIL MISCELLANEOUS	•	°,	•		•	74	C1.	0	4	64	15.23
NET INCOME	1 11 11 11 11 11 11 11 11 11 11 11 11 1	1 0 H	t H t H t H t O H	1 H H H H H H H H H H H H H H H H H H H	1 0 H	1 (2) 11	# Q # # # # # # # # # # # # # # # # # #	2001	1 4 4	1 -4 11	

まな世界を見事をなるとのの日本の日本の「ハクリータ」 このの一	334.80	646.71	887.00	1055.10	551.32	160.83	541.03	827.51	628.91	1129.39	38.12	
CURULATIVE	334.86	981.37	1869.28	2924.38	3475.70	3636,53	4177.58	4805.07	5433.98	6583.38	6539.48	
DETAILED CAPITAL COST CIVIL & TRACK CURULATIVE	228.32	470.00	741.46	840.69	123.28	92.87	301.40 2599.03	482.48 3081,49	350.21	3512.09	3512.09	
ELECTRIFICATION	00	38.32	98.48	94.98	11.12	204.58	55.40	87.48	137.80	16.25	501.52	
Signals Complatine	000	9.61	15.07	23.74	2.78	51.18	12.28	19.55 82.99	30.46	3.52	116.97	
TELECON CUMULATIVE	000	18.17	28.81 46.98	45.31	5.28	97.57	23.64	37.08 158.29	58.31	6.74	223.34	
ROLLING STOCK CUNDLATIVE	000	00.	000	133.78	330.52	464.30	78.98	.83	542.18	896.84	24.42	
WORKSHOPS COMBLATIVE	000	000	42.40	111.29	69.98 223.65	223,65	223.85	223.65	52.11	358.34	358.34	
CONTAINER BAND, FACIL COMMILATIVE	000	000	000	5.33 5.33	3.83	9.17	9.17	9.17	9.17	43.08	11.70	
NISCELLANEOUS CUMULATIVE	000	000	000	000	4 4 8 6 8 6 8 6	4,58	4.58	4.56	4.58	4.56	4.56	
LAMB ADGEISTTION COMBLATIFE	105.34	110.01	215.95	215.95	215.95	67.96 283.92	71.36	355.28	355.28	355.28	355.28	
INT DURING CONSTRUCTION CUMBLATIVE	000	16.73	49.83 86.63	96.80	317.82	317.82	317.82	317.82	317.82	317.82	317.82	
TOTAL CAPITAL COST CENSLATINE	334.68 334.68	863.44 898.10	937.81	1151.90	3793.52	160.83 3954.35	541.03	627.51 5122.89	628.91	1129.39	36.12	
-Salvage Value	00	00.	00.	00,	00.	00.	00	00	00	00.	00.	

CASE II

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FIRE			4 - 4							1 4 5 50	500,000
	2007	4820.00 1833.00 2278.00	.19	5 00 00 00 00 00		1582.25 912.88 192.08 487.31	258.39 247.23 111.93	00	00001		975.61
	2008	4920.00 1658.00 2278.00		ww.		1498.77 869.41 165.25 464.11	288.98 247.57 45.30 108.11	00	11 346 34.00 80.00 83.00 83.00	201 201 201 201 201 201 201 201 201 201	1 0 1
	2005	4920.00 1497.00 2278.00	 600	0000 0000		1412.29 828.01 142.27 442.01	377.85 233.71 43.51 100.63	30.88	0404	10.50.00	1 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
	2004	4740.00 1352.00 2220.00	1001	5.00 5.00 5.00		1282.34 759.73 122.37 410.24	357.65 224.02 41.19 82.45	81.75	288 84 28.89 28.89 28.89 28.89	104.40 13.588	683.01 883.01
	2003	4566.00 1221.00 2183.00	1.0.1 1.0.00	000 000		1182.92 696.99 105.25 380.87	336.85 212.86 39.08 84.93	92.83	$m \sim c \sim c$	101.10	108
	2002	4399.00 1104.00 2108.00	2004	00.00 0000		1083. 639.52 90.63 353.33	311.37 198.20 37.12 78.05	123.51	8404 200€	96.70 15.58 13.98	1 (2) (1)
PROJECT L.)	2001	4237.00 997.00 2054.00	400	mmm 000	. :	982.47 586.84 77.85 327.88	293.41 186.38 35.32 71.73	154.38	0000		- T- H
≪ # 	2000	4047.00 898.00 2001.00	101	000 000	• .	904.58 533.65 66.72 304.21	278.08 178.91 33.62 65.55	192.32	ကတင္က	87.15 15.58 10.98	261 264 118 118 118
HALAYSIN ======== (UNI	1999	3888.00 808.00 1950.00	10.4	0000 0000	• .	825.01 485.51 57.18 282.34	258.51 184.51 32.06 59.94	230.25	ထင္လ	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	1 - 1
	1988	3892.00 725.00 1900.00	10.14	00.00 00.00		752.55 441.58 48.97 262.00	243.04 157.60 30.63 54.81	258.19	~ œ ≎ ∞	25.00 25.00 20.00 20.00 20.00 20.00	ווייטוו
	1881	3527.00 852.00 1851.00	11.00.08	9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9		686.78 401.75 41.94 243.09	230.81 151.36 29.32 50.13	306.12	സയറയ	6.70 15.12 10.98	11 - 11 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
		ASSUMPTIONS ============== TAAFFIC DENAND TAAFFIC DENAND PASSENGERS(1) (HIL.PERSON.KH) PASSENGERS(2) (HIL.PERSON.KH) GOODS (HIL.TON.KH)	RAIL FARE & TARIFF PASSENGERS(1) (\$ PER PERSON.KW) PASSENGERS(2) (\$ PER PERSON.KW) GOODS (\$ PER TON.KW)	ESCALATION RATE (X) INVESTMENT COST RAIL FARE HAINT & OPERAT COST	PROFIT & LOSS STATEMENT	EVENUE PASSENGERS(1) PASSENGERS(2) GOODS	EXPENSE. HAINT. 6. REPLACE COST PERSONNEL COST ENERGY COST	INTEREST PAYMENT	DEPRECIATION CIVIL & TRACK ELECTRIFICATION SIGNALS	TELECOM TELECOM ROLLING STOCK VORKSHOPS CONTARTH HAND. FACIL	

REDEFINATION OF THE CAPITAL COST	75.94	45.04	27.35	153.10	133.57	59.68	176.83	85.80	5.13	205.39	00.	
CUMULATIVE	6875.42	6720.46	8747.81	8900.91	7034.48	7094.16	7270.89	7336.79	7341.91	7547.31	7547.31	
DETAILED CAPITAL COST CIVIL & TRACK CUMULATIVE	3512.09	3512.09	3512.09	3512.09	3512.09	3512.09	3512.09	3512.09	3512.09	3512.09	3512.09	
ELECTRIFICATION CURULATIVE	501.52	501.52	501.52	501.52	501.52	501.52	501.52	501.52	501.52	501.52	501.52	
SIGNALS CUMULATIVE	116.97	116.97	116.97	116.97	118.87	116.97	116.97	118.87	118.97	118.97	116.97	
TELECON CUNULATIVE	223.34	223.34	223.34	223.34	223.34	223.34	223.34	223.34	223.34	223.34	223.34	
ROLLING STOCK CUNULATIVE	75.94	45.04 1584.42	27.35	153.10	63.65	59.68	178.83	65.80	5.13	106.68	2242.63	
HORKSHOPS CUMULATIVE	358.34	358.34	358.34	358.34	358.34	358.34	358.34	358.34	358.34	358.34	358.34	
CONTAINER HAND. FACIL CUNULATIVE	03.05	63.95	63.85	00.00	89.92	133.87	133.87	133.87	133.87	89.24	223.11	
HISCELLANEOUS	4.58	4.58	.00	4.58	. 00.	4.58	4.58	4.58	4.58	9.47	.00	
LAND ADQUISITION CUHULATIVE	355.28	355.28	355.28	355.28	355,28	355.28	355,28	355.28	355,28	355, 28	355.28	
INT DURING CONSTRUCTION	317.82	317.82	317.82	317,82	317.82	317.82	317.82	317.82	317.82	317.82	317.82	
TOTAL CAPITAL COST CUMULATIVE	75.84 6993.25	45.04 7038.29	27.35	153,10 7218,73	133.57	59.68	176.83 7588.81	65.80	5.13	205.39 7865.13	7885.13	
-SALVAGE VALUE	00.	00.	00.	00:	00	00.	00.	00.	00.	00.	00.	

		SSUMPTIONS TRAFFIC DEMAND PASSENGERS(1) (HIL.PERSON.KH) PASSENGERS(2) (HIL.PERSON.KH) GOODS (HIL.TON.KH)	PASSENGERS(1) (\$ PER PERSON.KH) PASSENGERS(2) (\$ PER PERSON.KH) GOODS (\$ PER TON.KH)	ESCALATION RATE (%) INVESTHENT COST RAIL FARE MAINT & OPERAT COST	OFIT & LOSS STATEHE	(S (2)	XPENSE REPLACE COST PERSONNEL COST ENERGY COST	HTEREST PAYMENT	EPRECIATION CIVIL & TRACK ELECTRIFICATION SIGNALS	ACOLLING STOCK ROLLING STOCK CONTSHOPS CONTAINER HAND. FACIL NISCELLAREOUS	THE CORP.
	2008	4920.00 2029.00 2278.00	22.	9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9		1693.43 958.52 223.22 511.68	437.10 209.78 49.31 118.13	00.	0 80 0 40 0 40 0 0 0 0 0 0 0 0 0 0	- സന്കക	1056.73
	2009	4920.00 2246.00 2278.00	220	000 000	-	1803.18 1006.45 259.45 537.28	282 282 121 51 54 74	00	20 24 24 24 24 25 25 25 25 25 25 25 25 25 25 25 25 25	~ t~ t∪ ∞ to	1 (2)
HALAYSI HALAYSI HUNN UNN	2010	4920.00 2486.00 2278.00	21.2			1922.43 1058.77 301.54 584.13	180.43 294.67 53.97 131.79	00.	000 000 000 000 000 000 000 000	- 0 m o o	1241.33
A RAILWAY HHHHHHHHHHH IT : HS H	2011	4920.00 2752.00 2278.00	2,13,8	8 8 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9		2052.43 1109.61 350.48 582.33	503.77 307.85 56.80 139.32	00	24 to	22.00	1308.2
PROJECT	2012	4920.00 3046.00 2278.00	421.25	6 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		2194.37 1165.09 407.33 621.95	533 326 55 55 147 39	00.	0 4,6 6,40,6 10,00,00	24-42 20-02 20-02 20-02 20-02 20-03	1417.27
	2013	4920.00 3371.00 2278.00	21.22	0 0 0 0 0 0 0 0 0		23.48 473.34 853.34 653.05	580.07 341.47 62.58 158.03	00.	ŘΙ.	2222	1528.83
	2014	4920.00 3731.00 2278.00	. 26 . 15 . 30	000 000 000 000 000 000 000 000		25520.28 1284.51 5550.07	588.81 357.58 65.98	00.	74	22.33	1667.52
	2015	4920.00 4130.00 2278.00	. 157	99.00		2708.08 1348.77 639.34 719.98	313 313 30 30 30 30 30 30 30 30 30 30 30 30 30	00.	20 to ==	242	1824.9
	2018	4920.00 4571.00 2278.00	21. 88. 88.	5.00 5.00 000		2915.15 1416.17 742.99 755.98	858.90 397.08 73.74 188.07	00.	25.00 11.00 12.00	215.3	1804.2
	2017	4820.00 5050.00 2278.00	.30 .17 .35	.000 000	•.	3144.37 1486.88 863.00 793.78	691.32 415.39 78.23 197.70	00.	34.95 94.95 12.95 72.85	22.2 2.2.2 2.4.2 2.0.0	2092.8
	2018	4820.00 5800.00 2278.00		000 000 000 000 000		3398.38 1561.33 1003.55	728.0 434.8 83.1 210.2	00.	372	222.22.29.20.00.00.00.00.00.00.00.00.00.00.00.00.	223

TO STANSON OF THE PART OF THE	60	22.27	8,54	1195.73	68.31	638.28	28.43	8.35	2801.86	201.48	391.98
CUMULATIVE	7558.85	7579.13		8781.40	ф.	9487.98	9518.39	9524.74	12328.60	12528.09	12920.05
DETAILED CAPITAL COST CIVIL & TRACK CUNULATIVE	3512.09	3512.09	3512.09	3512.09	3512.09	3512.09	3512.09	3512.09	3512.08	3512.09	3512.09
ELECTRIFICATION CUMULATIVE	501.52	501.52	501.52	501.52	501.52	501.52	501.52	501.52	501.52	501.52	501.52
SIGNALS CUMULATIVE	116.97	118.97	116.97	112.30	229.27	229.27	229.27	229.27	373.44	373.44	373.44
TELECOM CUNGLATIVE	 223.34	223.34	223.34	155.33	378.67	378.67	378.87	378.87	200.31	578.98	578.98
ROLLING STOCK CUMULATIVE	9.55	22.27	6.54	814.21	68.31	12.18	28.43	3212.47	2312.03 5524.50	201.48	5741.53
WORKSHOPS CUMULATIVE	358,34	358.34	358.34	358.34	358.34	626.07 984.42	984.42	984.42	984.42	984.42	376.41
CONTAINER HAND, FACIL CUMULATIVE	.00	223.11	223.11	113.89	337.00	337.00	337.00	337.00	145.36 482.36	482.38	.00
HISCELLANEOUS CUHULATIVE	14.03	14.03	14.03	14,03	14.03	14.03	14.03	14.03	14.03	14.03	14.03
LAND ADQUISITION CUNULATIVE	355.28	355.28	355.28	355.28	355.28	355,28	355.28	355.28	355.28	355.28	355.28
INT DURING CONSTRUCTION CUMBLATIVE	 317.82	317.82	317.82	317.82	317.82	317.82	317.82	317.82	317.82	317.82	317.82
TOTAL CAPITAL COST	9.55	22.27 7898.95	6.54 7903.49	1195.73	08.31	9805.79	28.43	8.35	2801.88 12844.43	201.48	-6295.70 6550.21
-SALVAGE VALUE	00.	00'	00.	۰۵۰.	00.	00.	00.	00.	00.	00.	8687.88

CASE III

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CASE III FIRR : 5.86	198	ASSUMPTIONS TRAFFIC DEHAND TRAFFIC DERAND PASSENGERS (1) (HIL.PERSON.KH) PASSENGERS (2) (HIL.PERSON.KH) GOODS (MIL.TON.KH)	PASSENGERS(1) (\$ PER PERSON.KH) PASSENGERS(2) (\$ PER PERSON.KH) 600DS (\$ PER TON.KH)	ESCALATION RATE (%) INVESTMENT COST RAIL FARE HAINT & OPERAT COST 5.0	PROFIT & LOSS STATEMENT REVENUE REVENUE PASSENGERS(1) GOODS	EXPENSE MAINT & REPLACE COST PERSONNEL COST ENERGY COST	HTEREST PAYHENT	DEPRECIATION CIVIL & TRACK ELECTRIFICATION SIGNALS	K ND. FACIL S	
	6 19	000	000	000	0000	0000	. 00	00		000
≪3) 30)	2-	000	000	000	0000	0000	00	00	0	001
LAYSIA. (Unit	1988	000		5.00 5.00	0000	0000	00	0	0	1011
RAILEAX.E	1989	000	000	8.00 000 8.00	0000	0000	00	00.	ō	1
ROJECT .)	1990	000	000	5.00	0000	0000	00.	00	•	1 11
	1861	805.00 308.00 623.00	00.00	5.00 000 000	144.431 14.83 14.83	76.26 54.02 11.97	180.31	スアアまの	, 50 cm	-191.55
	1992	8 343.00 843.00	000	000 000	159.40 175.95 66.16	\$3.58 112.58 12.58 30.58	190.31	Ø 1-1-10	27.	-187.00
	1993	900.00 382.00 664.00	.05	5.00	176.30 84.34 20.22 71.74	67.08 61.81 12.83	180.31	24,73	, ² , ² , ² , ¹	-174.13
	1884	953.00 424.00 686.00	.10 .06 .11	5 0 0 0	193.11 23.11 73.56 73.56	91.20 64.16 13.32	180.31	01-1-10	15.00 H	159.39
	1995	1008.00 471.00 709.00	.10	0.00 0.00 0.00	216.08 104.14 27.48 84.46	100.74 71.77 13.86 15.12	190.31	24.73	500 H	1350.55 ERESES
	1996	1088.00 524.00 733.00		9.00 0.00 0.00	239.43 115.64 32.10 91.68	108.83	180.31	28.82 3.73 2.11		-137.34

CAPITAL EXPENDETURE	1988	1987	1988	1888	1980	1881	1992	1993	1994	1885	1996
CAPITAL COST	334.66	650.28	888.58	1058.08	556.05	00.	77.95	.93	00	51.51	85.40
CUMULATIVE	334.66	984.92	1873.50	2931.57	3487.61	3487.61	3585.58	3566.49	3566.49	3618.00	3703.40
ETAILED CAPITAL COST CIVIL & TRACK CUHULATIVE	229.32	473.47	742.87	641.97	123.29	2210.72	2210.72	2210.72	2210.72	2210.72	.00
ELECTRIFICATION CUMULATIVE	000	38.32	60.17 98.48	94.96	11.12	204.58	204.56	204.56	204.58	204.58	204.56
SIGHALS CUHULATIVE	000	9.57	15.07	23.87	2.73	51.25	51.25	51.25	51.25	51.25	51.25
TELECON	000.	18.29	28.69 46.98	45.31	5.24	97.52	97.52	97.52	97.52	97.52	97.52
ROLLING STOCK CUNULATIVE		000	000	135.78	335.31	471.08	77.95	548.87	548.97	51.51	73.70
VORKSHOPS CUNDLATIVE	000	000	41.98	110.85	89.96 222.79	222.79	222.79	222.79	222.79	222.79	222.79
CONTAINER HAND. FACIL CUMBLATIVE	000	000	00.	5.33	3.83	9.17	9.17	9.17	9.17	9.17	20.87
HISCELLANEOUS CUHULATIVE	00.	000,	000	000	4.58	4.56	4.56	4.56	4.56	4,56	4.56
LAND ADQUISITION CUNULATIVE	105.34	110.61	215.95	215.95	215.95	215.95	215.85	215.95	215.85	215.85	215.95
INT DURING CONSTRUCTION CUHULATIVE	000	16.73	50.08 66.82	97.02	154.77 318.60	318.80	318.60	318.60	318.60	318.60	318.60
TOTAL CAPITAL COST CUHULATIVE	334.66	666.99 1001.66	938.86	1155.08	710.82	3808.21	77.95	3885.09	3885.09	51.51	85.40
-SALVAGE VALUE	00.	00.	00	00	00.	00.	00	0.0	00.	00	00.

FII	RR														
1888	85.40	1803.11	0 0	1522.49 190.31	523.74 .00 1152.87 62.92	-	737.34	÷ 0 (23.7 23.7	488.02	4.4	o . 1	466.0	28	H 50 0
1985	51.51	1903.11	00.	1903.11	126.48 .00 .00 50.23		75.55	200	28.4	51.51	1.5	00.	51.5	800	\$ 10 0 8 4 0
1984	3885.09	1903.11	00.	1903.11	86.35 .00 502.74 41.84		59.3	200	, to	1 11 11 11 11 11 11 11 11 11 11 11 11 1		00.		00.	φ.ψ.ς W O O
1993	3885.09	1903.11	00.	1903.11	102.03 .00 416.39 31.44		174.1	209	10.	1 (0)		001		88	10 4 9 4 10 0
1992	77.95 3884.16	1903.11	00.	1903.11	192.10 .00 314.38 12.23		187.0	4 	N.	77.95	77.9	00.	77	00.	440 400
1991	3806.21	1803.11	00	1903.11 190.31	122.26 .00 122.26		191.5	70.	122.26	1 1 11	0.	00	# # #		200 200 200 200 200 200 200 200 200 200
1990	710.82	355.41	355.41	1903.11	0000		000	355.41		710.82	710.8	0	الله ا	000	000
1989	1155.08	577.54	577.54	1547.70	0000		000	577.54	27.2	1155.08	155.0	•	1155.08	.00	000
1988	938.68	469.33 970.16	469.33	970.16	0000	•	000	00	ಳು	1 60 8	938.6	0	838 18 18 18 18 18 18 18 18 18 18 18 18 18	000	000
1987	688.99 1001.88	333.50 500.83	333.50	500.83	0000	÷	80	O RO		666.99	6.99	0	666.83	•	000
1988	334.66 334.66	167.33	167.33	187.33	0000		00	167.33	167.33	334.66	334.6		334.66	000	000
	FINANCE PROGRAM ====================================	EQUITY & SUBSIDY CUM EQUITY & SUBSIDY	LONG-TERM LGAN	REPAKKENT BALANCE INTEREST PAYMENT	WORKING CAPITAL DRAW DOWN REPAYMENT BALANCE IMTEREST PAYHENT	FUND FLOW STATEMENT	FERENCE PRECIATION BACK DEPRECIATION	CASH FLOW FROM OPERATION EQUITY & SUBSIDY	LONG-TERM LOAN WORKING CAPITAL SALES PROCEEDS OF LAND	TOTAL SOURCES	CAPITAL EXPENDITURE	L-T LOAN REPAYMENT WORKING CAPITAL REPAYMENT	TOTAL USES	RET CASHFLOY	STANDARY STATISTICS ************************************

			HALAYSI ======= (UN	A RAILWAY	PROJECT Emmeran						
	1997	1998	199	2000	2001	2002	2003	2004	2005	2006	2007
MPTIO											
ASSENGERS (1) ASSENGERS (2) 00DS (H	1128.00 583.00 757.00	1189.00 649.00 783.00	1258.00 722.00 808.00	1327.00 804.00 835.00	1402.00 894.00 863.00	1468.00 990.00 891.00	1537.00 1095.00 921.00	1608.00 1213.00 951.00	1885.00 1342.00 983.00	1746.00	1809.00 1545.00 1045.00
RAIL FARE & TARIFF PASSENGERS(1) (\$ PER PERSON.KH) PASSENGERS(2) (\$ PER PERSON.KH) GOODS (\$ PER TON.KH)	.11	122	 80.	. 13	480H	115	 	11011 00011	110	2000	.10
ESCALATION RATE (%) INVESTMENT COST RAIL FARE HAINT & OPERAT COST	5.00	000 000 000	5.00	5.00 5.00 5.00	88.88 800 800	2000	2000 0000 0000	5.00 2.00 2.00	88.00 80.00	10 15 15 0 0 0 0 0 0 0 0 0	5.00 5.00 5.00
PROFIT & LOSS STATEMENT REVENUE PASSENGERS(1) PASSENGERS(2) GOODS	265.18 728.26 37.50 99.42	284.02 442.21 43.83	325.93 157.73 51.20	361.80 174.98 59.87 126.95	401.78 194.12 69.80 137.76	444.03 213.42 81.28 149.34	191.19 234.62 84.48 162.09	543.42 257.89 109.79	601.85 283.58 127.54 190.73	663.30 368.53 148.39 266.38	731.06 335.65 172.46 223.55
EXPENSE REPLACE COST PERSONNEL COST ENERGY COST	112.21 78.76 15.08	118.00 81.96 15.78 20.26	124.71 85.84 16.54 22.33	132.50 80.48 17.37 24.85	139.76 94.26 18.29 27.21	153.13 103.89 19.27 29.88	163.44 110.27 20.34 32.83	172.63 115.05 21.52 36.06	182.52 22.65 39.65	204.66 137.15 24.19 43.32	216.31 143.25 25.71 47.35
INTEREST PAYMENT	152.25	114.19	76.12	38.06	00.	00.	00.	00.	00.	00	00.
DEPRECIATION CIVIL & TRACK ELECTRIFICATION SIGNALS TELECON ROLLING STOCK VORKSHOPS CONTAINER HAND. FACIL HISCELLANEOUS	1.1	22 22 23 22 23 25 25 25 25 25 25 25 25 25 25 25 25 25	22 22 24 72 72 72 72 72 72 72 72 72 72 72 72 72	24.70 24.70 3.770 3.822 2.832 2.30 2.30 1.15	86.94 24.73 3.70 2.11 2.11 40.40 9.69 2.99 2.39	28 28 28 3 4 4 2 2 2 1 1 1 2 2 1 2 2 1 2 2 1 2 2 1 2 2 1 2 2 1 2 2 1 2	448 448 448 448 448 448 448 448 448 448	85.16 24.73 3.70 2.11 48.70 48.70 2.99 2.99 2.75.63	24.73 3.70 3.70 2.73 48.70 48.70 2.89 3.70 2.89 3.70 3.70 4.71 3.70 4.71 4.71 4.71 4.71 4.71 4.71 4.71 4.71	24.74 2.73 3.70 2.11 2.11 61.13 61.13 3.65 3.65 3.63	
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	1997	1998	1998	2000	2001	2002	2003	2004	2005	2008	F1RI 2002	FIRI
CAPITAL EXPENDETURE	00	1.19	29.84	63.50	58.44	54.36	110.19	9.82	00	283.75	· 00.	p
CUMULATIVE	3703.40	3704.59	3734.43	3787.83	3856.37	3910.74	4020.92	4030.74	4030.74	4314.49	4314.49	
DETAILED CAPITAL COST CIVIL & TRACK CUMULATIVE	2210.72	2210.72	2210.72	2210.72	2210.72	2210.72	2210.72	2210,72	2210.72	2210.72	2210.72	
ELECTRIFICATION CUNULATIVE	204.56	204.56	204.58	204.58	204.58	204.55	204.56	204.58	204.56	204.58	204.58	
SIGHALS CUMULATIVE	51.25	51.25	51.25	51.25	51.25	51.25	51.25	51.25	51.25	51.25	51.25	
TELECOM	97.52	97.52	97.52	97.52	97.52	97.52	97.52	97.52	97.52	97.52	97.52	
ROLLING STOCK CUMULATIVE	675.18	1.19	29.84	63.50	43.51	54.36	110.19	9.82	987.58	255.22 1242.80	1242.80	
VORKSHOPS CUHULATIVE	222.79	222.78	222.79	222.78	222.79	222.79	222.79	222.79	222.78	222.79	222.79	
CONTAINER HAND. FACIL	20.87	20.87	20.87	20.87	14.93	35.80	35.80	35.80	35.80	19.06	54.86	
HISCELLANEOUS CUHULATIVE	4.56	4.56	4.58	4.56	4.56	. 4 00.00 00.00	4.56	4.56	4.56	9.47	14.03	
CAND ADOUTS ITTOR	215.85	215.95	215.85	215.95	215.95	215.85	215.85	215.95	215.95	215.95	215.95	
INT DURING CONSTRUCTION CUNULATIVE	318.60	318.60	318.60	318.60	318.60	318.60	318.60	318.80	318.60	318.60	318.60	
TOTAL CAPITAL COST CUMULATINE	4022.00	1.19	29.84	63.50	58.44	54.36	110.19	9.82	4349.34	283.75 4633.09	4633.09	. 5
-SALVAGE VALUE	00.	00.	00.	00.	0.0	000	00	00	00.	00	00.	

FINANCE PROTERM TOTAL CAPTILL COST CHARLE PROTECT TOTAL CAPTILL COST CHARLE PROTECT TOTAL CAPTILL CAPTILL COST CHARLE PROTECT TOTAL CAPTILL CAPTILL CAPTILL CAPTILL CAPTILL CAPTILL CAPTILL CAPTILL CAPTILL							A-69			
1997 1998 1999 2000 2001 2002 2003 2004 2005 2005 2005 2007			5	ΑΩ .	THERM LOAN PAYNENT NIANCE ATEREST PAYNEN	KKING CAPITAL DRAY DOWN REPAYHENT BALANCE INTEREST PAYNEN	AD FLOW STATEMENT THE TOOME AND DACK DEPRECIATION SHOW FROM PERATIO ULTY & SUBSIDY HGTER LOAN KRING CAPITAL LES PROCEEDS OF LAND	L EXPENDITURE LOAN REPAYMENT ING CAPITAL REP 3SES	ET CASHFLOUM, N.C.F.	URHARY STATISTICS EDSHERR RESESSES EST COVERACE RATIO UH DEBI COVERAGE RATI
1996 1999 2000 2001 2002 2003 2004 2005 2008 2007	CP		4022.00	903.1	380.6 141.8 152.2	379.9 532.8 115.3	101 0000001 101 00 000001 101 00 000001	(C) (C)	00	***
1899 2006 2001 2002 2003 2004 2005 2006 2007 2008 2007 2008 2007 2008	G G		1.1	903.1	80 6 81.2 14.1	319.9 852.8 153.2	1	8 181 8 181 10 141 141 01	00	×o → C
10.00 2001 2002 2003 2004 2005 2008 2007 2007 2008 2007 2008 2007 2008 2007 2008	& &		29.8	903.1	80.0 780.0 780.0	285.3 138.2 185.2	20 0 0 1 4 1 2 2 2 1 4 1 2 2 2 2 2 2 2 2 2 2 2	380.8 380.6 410.0	00	€7 44 ¢>
58.44 56.36 110.19 9.82 4349.34 4633.09 4833.0 1903.11	00		63.5 116.5	903.1	80.0 80.0 90.0	252.8 .0 391.1 213.8	1	63.5 380.6 380.6 44.1		L-10 O
2002 2003 2004 2005 2008 2007 2429.34 4339.52 4349.34 4349.34 4633.09 4633.0 1903.11	0		58.4	903.1	-0000	203.5 187.5 239.1	175 262.0 262.0 262.0 1262.0 1262.0	2 2 2 3 3 3 4 4 4 4 4 4 4 4 4 4 4 4 4 4	00	~ 60
2003 2004 2005 2008 2007 110.19 9.82 4349.34 4633.09 4653.0 1903.11 1903.11 1903.11 1903.11 1903.11 1903.1 1003.11 1903.11 1903.11 1903.11 1903.11 1903.1 1003.11 1903.11 1903.11 1903.11 1903.11 1903.1 217.56 360.97 418.33 174.89 515.35 23.37 75 370.79 419.33 458.65 515.35 23.37 75 370.79 419.33 458.65 515.35 227.75 370.79 419.33 458.65 515.35 227.75 370.79 419.33 458.65 515.35 227.75 370.79 419.33 458.65 515.35 227.75 370.79 419.33 458.65 515.35 227.75 370.79 419.33 458.65 515.35 227.75 370.79 419.33 458.65 515.35 22.68 3.14 4.06 5.81 1.10 2.68 3.14 4.06 5.81 1.10 2.68 3.14 4.06 5.81 1.10 2.68 3.14 4.06 5.81 1.10 3.77 6 380.97 419.33 458.65 515.35 2.68 3.14 4.06 5.81 1.10 2.68 3.14 4.06 5.81 1.10	00		54.3	903.1	0000	238.5 950.9 218.7	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	2 2 2 3 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4		400
8.82	0		339.5	903.1	0000	217.5 733.4 195.1	23.3 244.3 327.73.3 327.73.3	217.5	0,0	40.0
4349.34 4633.09 4633.0 4349.34 4633.09 4633.0 1903.11 1903.11 1903.1 1903.11 1903.11 1903.1 1903.11 1903.11 1903.1 1903.11 1903.11 1903.1 1903.11 1903.1 190	0		9.82	903.1	0000	340.9 173.4	22 20 20 20 20 20 20 20 20 20 20 20 20 2	3 3 3 5 6 7 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8		700
283.75 4633.09 4633.09 4633.09 4633.09 4633.09 4633.09 4633.09 4633.09 4633.09 4633.09 4633.09 4633.09 4633.09 463.09 4	005		4349.3	903.1	0000	333 333 343 343 343 343 343 343 343 343	2004 1924 1924 1937 1937 1937 1937 1937 1937 1937 1937 1937 1937 1937	4 1 4 H	00	900
19	200	•	283.7 833.0	903.1	0000	7.4. 9.78. 95.23.	134 4589 4589 689 1458 1 0 0 0 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1	283.7 174.8 458.8	00.	ထင်တွင်
	2007		633.0	903.1	9999	72.30	55 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	515.00		8 H O

CASE III

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2015	2400.00 3712.00 1334.00	4 ± 6	ည်း ကို ကို ဝိဝိဝိ	1854.1 657.9 574.6 421.6	381.0 237.9 45.0 98.0	•	24.2 2.4.2 2.4.2 2.4.2	122 283.7 4.88	~ "
2014	2317.00 3354.00 1294.00	3 H K	8 8 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	1488.92 604.92 484.49 389.51	258 36 227 30 41 71 89 36	00.	194 24.39 24.73 15.37 161	. 884 . 884	11
2013	2236,00 3029,00 1255,00	221.23	8 8 8 8 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	1341.06 555.08 425.31 359.78	324.44 204.32 38.67 81.46	00.	186.08 24.73 3.70 7.81	28.	830.56
PROJECT IL.) 2012	2158.00 2736.00 1217.00	.24 .13	8.5°.00	1209.17 511.03 365.87 332.27	305.54 35.31 74.30	00.	22.482	004	736.33
A RAILWAY HENERER IT : HS H Z011	2083.00 2472.00 1181.00	21.2	м.т. 000 000	1091.70 469.78 314.83 307.09	284.07 182.77 33.46 67.84	00	W4WW1	. 85 cq 4	653.90 853.90
HALAYSII Emsmersii (UN:	2011.00 2233.00 1145.00	223	5.00 5.00	22 23 24 25 25 25 25 25 25 25 25 25 25 25 25 25	267.95 174.77 31.22 61.95	00.	Mr F MC	~	1 -4 11
2009	1941.00 2017.00 1111.00	21.2	5.00 5.00 5.00	892.08 397.06 233.00 262.03	242.85 157.03 29.20 56.62	00	STORES		# 12 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
2008	1874.00 1822.00 1077.00	2	5 .00 5 .00	807.46 365.10 200.45 241.91	228.78 149.66 27.37 51.76	00.	108.83 24.73 23.70 20.110	9-10 m	1 00 II
	ASSUMPTIONS ========== TRAFFIC DEHAND PASSENGERS(1) (HIL.PERSON.KH) PASSENGERS(2) (HIL.PERSON.KH) GOODS (HIL.TON.KH)	PASSENGERS(1) (\$ PER PERSON.KH) PASSENGERS(2) (\$ PER PERSON.KH) GOODS (\$ PER TON.KH)	ESCALATION RATE (x) INVESTHENT COST RAIL FARE HAINT & OPERAT COST	PROFIT & LOSS STATEMENT ====================================	EXPENSE & REPLACE COST PERSONNEL COST ENERGY COST	INTEREST PAYMENT	DEPRECIATION CIVIL & TRACK ELECTRIFICATION SIGNALS	TELECON ROLLING STOCK WORKSHOPS CONTAINER HAND: FACIL KISCELLANEOUS	NET INCOME

							•							
2015	128.14	6860.38	2210.72	204.58	163.47	253.06	128.14	.00	79.18	14.03	215.95	318.50	3365.20	3813.77
2014	176.85	6732.23	2210.72	204.56	163.47	253.08	176.65	845.34	79.18	14.03	215.95	318.60	176.65	00.
2013	626.02	8555.58	2210.72	204.56	163.47	253.08	2568.25	623.55 848.34	79.18	14.03	215.95	318.60	626.02	00.
2012	317.27	5929.58	2210.72	204.58	.00	253.06	317.27	222.78	79.18	14.03	215.95	318.60	317.27 6248.16	00.
2011	1102.30	5612.29	2210.72	204.56	112.23	155.53 253.06	810.21	222.78	24.32	.00	215.95	318.60	1102.30	00.
2010	100.40	4509.99	2210.72	204.58	51.25	97.52	100.40	222.78	54.86	14.03	215.85	318.80	100.40	00.
2008	93.17	4409.59	2210.72	204.56	51.25	97.52	93.17	222.79	54.86	14.03	215.95	318.60	93.17	00.
2008	1.94	4318.42	2210.72	204.56	51.25	97,52	1.94	222.79	54.86	.00	215.95	318.60	1.94	00.
· ·			:											
CAPITAL EXPENDETURE	CAPITAL COST	CUMULATIVE	DETAILED CAPITAL COST CIVIL & TRACK CUMULATIVE	ELECTRIFICATION CUMULATIVE	SIGNALS CUMULATIVE	TELECON CUKULATIVE	ROLLING STOCK CUMULATIVE	WORKSHOPS CUMULATIVE	CONTAINER HAND, FACIL	MISCELLANEOUS CUMULATIVE	LAND ADQUISITION CUMULATIVE	INT DURING CONSTRUCTION CUMULATIVE	TOTAL CAPITAL COST CUNULATIVE	-SALVAGE VALUE

FINANCE PROGRAM sessessesses Total Capital Cost	2008	22 83	100	2011	317	828	2014	20-3685.
CUMULATIVE T.C.C. EQUITY & SUBSIDY CUN EQUITY & SUBSIDY		8 8	28.5	930.8 903.1	48.1	74.1	50.8	
LONG-TERM LOAN DRAW DOWN REPAYMENT BALANCE INTEREST PAYMENT	0000	0000	0000	0000	0000	0000	0000	
WORKING CAPITAL BRAY BOUN REPAYMENT BALANCE INTEREST PAYNENT	262.87 26.29	0000	0000	0000	0000	0000	0000	
FUND FLOW STATEMENT ===================================	469 108.835 178.68 100 00	535 1135 649 649 649 649 649 649 649 649 649 649		80 ± 80 10 10 0	6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	0 1 3 3	8 0 0 0 +1 +1	
TOTAL SOURCES	10011	649.23	i et n	1 60 11	I O II	1 (0 1)	الشا	127
CAPITAL EXPENDITURE L-T LOAN REPAYMENT WORKING CAPITAL REPAYMENT TOTAL USES	262.87 262.87 264.81	83 1 83		1102.30	317.27	626.02 .00 .00 .00	176.85	- 368 - 368
NET CASHFLOW	11 E.C.		0F-	8 64 64 64 64 64 64 64 64 64 64 64 64 64	7.79.6 1.00.3	80.6 70.2	953.0	
SURMARY STATISTICS DEBT COVERAGE RATIO CUN DEBT COVERAGE RATIO RRE (ROI) %		1.33	21.2	\$ 100 to	1.77	22.2	2.17 3.58	

1988 1989 1890 1991 1992 1992 1998 1998 1998 1998 1998	CASE IV FIRR: 6.78		4.a.	HALAYSI	A RAILTA							
1988 1987 1988 1989 1989 1989 1980 1991 1992 1991 1992 1989 1980 1991 1992 1989			**	18	II XX	IL.)						
TREPISCO DENAND TREPIS		60	80	80	198	188	S S	6 6	1993	1994	1995	1898
ASSENCERS (1) (MIL.PERSON.KH) 11. FARE & TARIFF ASSENCERS (1) (MIL.PERSON.KH) 12. OO	SSUMPTIONS BRRESSERS TRAFFIC DEMAN											
ASSEMBER(I) (G PER PERSON.KM) .00 .00 .00 .00 .00 .00 .00 .00 .00 .0	(MIL.PERSON.KH (MIL.PERSON.KH L.TON.KM)	000	800	000	000	000	0.60	343.0	6.2	424.00	471.00	1088.00 524.00 733.00
SSCALATION RATE (*) ALL FARE ALL F	AIL FARE & TARIFF PASSENGERS(1) (\$ PER PERSON GOODS (\$ PER TON KH)	000	000	0.00	000	. 000	004	. 00-	00.1 88H	010 08011.	-0	1.001
PRIT & LOSS STATEMENT PASSENGERS(1) PASSENGERS(2) PASSENGERS(2)	TE (X ST T COS	000	000	000	000	000	000	000	88.00 800 800	8 8 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	000 000 000	5.00 5.00 5.00
## NATE & REPLACE COST	DFIT & LOSS STATEMEN PERENTAL STATEMENTS PERSON PASSENGERS (1) PASSENGERS (2)	0000	0000	0000	0000	0000	4 4	20.7	200 200 200 200 200 200 200 200	2 2 2 .56 2 .56	27.48 27.48 .00	239.43 32.10 91.68
EPRECIATION EPRECIATION EPRECIATION ELECTRIFICATION SUBJECT SECTION S	XPENSE REPLACE COS HAINT. & REPLACE COS PERSONNEL COST ENERGY COST	0000	0000	0000	0000	0000	8 8 7- 80 80 80	9.6	28.85 20.41 7.85	21.18 7.85 89 89	31.06 21.88 8.06 1.01	106.89 75.78 14.44 16.67
EPRECIATION CIVIL & TRACK ELECTRIFICATION S:93 8:93 8:93 8:93 8:93 8:93 8:93 8:93 8	HTEREST PAYHEN	00.			00.		4.2	8.4		142.21	174.03	214.74
ROLLING STOCK VORKSHOPS VORKSHOPS CONTAINER HAND. FACIL .30 .30 .30 .30 .30 .30 .30 .30 .30 .3	EPRECIATION CIVIL & TRACK ELECTRIFICATIO SIGHALS TELECOM	00.			00.		881111	800000	20000000000000000000000000000000000000	25.11.1.00.00.00.00.00.00.00.00.00.00.00.0	25.000000000000000000000000000000000000	200 1.0.42.0.0 200.0.0.0.0 200.0.0.0.0 200.0.0.0.
ET INCOMES AND NO 100 000 000 000 000 000 000 000 000 00	ICK IAND. FAC IUS	0,	0	0	•	·.	20 E	N 00 W	20 20 20	200 200	7 CO M	20.00
		1	1 H 1 + H 1 + H 1 + H	O H - H 	1	O H H H H	O H O H O H	122.6	ι←ιμ ΓΑΙ: ΓΑ:π	111111111111111111111111111111111111111	1	1 00 H

CASE IV

	35	280	81.0	200	100	8 H	. 78	00.	. 56	18	.22	51.00	00.
11.	4178.	2484.	240.	. 7.0	113	789	222	4	4	242	128	4308	
814.18	4188.53	95.78 2484.28	9.08	2.05	3.83	897.82 777.58	222.79	5.83	4.58	242.18	.00	814.18 4294.78	00.
636.34	3352.36	498.44	78.51	17.75	33.39	79.85	222.79	8.24	4.58	242.18	128.22	636.34	00.
838.48	2716.01	556.93 1890.04	49.95	11.32	75.88	79.85	222.79	00.	. 4 0 0 0 0 8	242.18	.00	839.48	00.
475.85	2078.58	351,83	31.82	38.08	13.59	9.72	222.79	800	4 56	62.05	128.22	475.85	00:
243.43	1800.70	184.33 981.48	71.88	28.00	41.03	70.23	222.79	000	4.56	59.10 180.13	128.22	243.43	00.
183.36	1357.27	48.24	3.89	1.61	2.25	52.88	69.98	000	4.56	121.03	62.01	1485.50	00.
424.86	1173.91	231.01	33.31	13.27	19.14	17.37	110.85	000	000	121.03	38.82	483.78 1240.13	00.
349.74	748.95	286.20	21.15	8.33 9.44	12.03	000	41.98	000.	00	121.03	20.31	370.08	00.
257.48	399.21	189.01	13.31	5.5 5.5 5.8 8	7.81	000	000	000	000	81.99 121.03	7.09	284.57	00
141.73	141.73	82.89 82.89	000	00	000	000	000	000	00	59.04	000	141.73	00.
CAPITAL EXPENDETURE	CUMULATIVE	DETAILED CAPITAL COST CIVIL & TRACK CUMULATIVE	ELECTRIFICATION CUMULATIVE	SIGHALS CUMULATIVE	TELECOM	ROLL ING. STOCK CUMULATIVE	UORKSHOPS CUHULATIVE	CONTAINER NAND. FACIL	HISCELLANEOUS COMULATIVE	LAND ADQUISITION CONSLATIVE	INT DURING CONSTRUCTION CUNULATIVE	TOTAL CAPITAL COST CUNULATIVE	-SALVAGE VALUE
	E = 141.73 257.48 349.74 424.96 183.36 243.43 475.85 639.46 636.34 814.18 11.81	E 141.73 257.48 349.74 424.96 183.36 243.43 475.85 839.46 836.34 814.18 11.81 141.73 399.21 748.95 1173.91 1357.27 1600.70 2076.58 2716.01 3352.36 4188.53 4178.35	E 141.73 257.48 349.74 424.96 183.36 243.43 475.85 639.46 636.34 814.18 11.81 141.73 399.21 748.95 1173.91 1357.27 1600.70 2076.58 2716.01 3352.36 4186.53 4178.35 COST 82.89 188.01 286.20 231.01 48.24 184.33 351.83 556.93 498.44 95.78 .00 82.89 251.70 517.90 748.90 797.15 981.48 1333.11 1890.04 2388.48 2484.26 2484.28	E 141.73 257.48 349.74 424.96 183.36 243.43 475.85 639.46 636.34 814.18 11.81 141.73 399.21 748.95 1173.91 1357.27 1600.70 2076.56 2716.01 3352.36 4186.53 4178.35 COST 82.69 189.01 286.20 231.01 48.24 184.33 351.83 556.93 498.44 95.78 82.69 251.70 517.90 748.90 797.15 981.48 1333.11 1890.04 2388.48 2484.26 2484.28 .00 13.31 21.15 33.31 3.89 .00 31.82 49.95 78.51 9.06 .00 13.31 21.15 33.31 71.86 71.86 71.86 103.28 153.23 231.74 240.81 240.81	E 141.73 257.48 349.74 424.96 183.36 243.43 475.85 636.46 636.34 814.18 11.81 141.73 257.48 349.74 424.96 183.26 243.43 475.85 636.46 636.34 814.18 11.81 141.73 399.21 748.95 1173.91 1357.27 1800.70 2076.58 2716.01 3352.36 4186.53 4178.35 82.69 189.01 286.20 231.01 48.24 184.33 351.83 556.93 498.44 85.78 2484.26 82.69 251.70 517.90 748.90 797.15 981.48 1333.11 1890.04 2388.48 2484.26 2484.28 00 13.31 21.15 33.31 3.89 .00 31.82 49.95 78.51 9.06 .00 00 5.56 8.39 13.27 77 71.66 71.66 103.28 153.23 231.74 240.81 240.81 00 5.56 8.39 13.27 1.61 .00 7.24 11.32 17.75 2.05 97.20 00 5.56 13.94 27.22 28.83 28.83 38.06 47.39 65.14 67.20 97.20	E 141.73 257.48 349.74 424.96 183.36 243.43 475.85 839.46 836.34 814.18 11.81 141.73 399.21 748.95 1173.91 1357.27 1800.70 2076.58 2716.01 3352.36 4186.53 4178.35 2057 82.89 188.01 286.20 231.01 48.24 184.33 351.83 556.93 498.44 95.78 2484.28 82.89 251.70 517.90 748.90 797.15 981.48 1333.11 1890.04 2388.48 2484.28 2484.28 00 13.31 21.15 33.31 3.89 0.00 31.82 48.95 78.51 240.81 240.81 00 5.56 8.39 13.27 1.61 7.00 7.24 11.32 17.75 2.05 97.20 00 7.81 12.03 19.14 2.25 .00 13.59 21.25 33.39 35.39 3.83 0.00 7.81 12.03 18.14 2.25 .00 13.59 75.88 109.27 113.10 113.10	E 141.73 257.48 349.74 424.96 183.36 243.43 475.85 639.46 636.34 814.18 11.81 11.81 141.73 257.48 349.74 424.96 183.26 243.43 475.85 2716.01 3352.36 4186.53 4178.35 COST 82.89 189.01 286.20 231.01 48.24 184.33 351.83 556.93 498.44 85.78 2484.28 2484.28 251.70 517.90 748.90 797.15 981.48 1333.11 1890.04 2388.48 2484.26 2484.28 200 13.31 34.46 67.77 71.86 71.86 103.28 153.23 78.51 87.20 97.20 5.58 13.94 27.22 28.83 28.83 36.06 47.39 65.14 87.20 97.20 0.00 7.81 12.03 19.14 2.25 .00 13.59 75.88 109.27 113.10 113.10 17.37 52.88 70.23 70.23 75.85 75.85 75.85 77.56 789.38 777.56 789.38	EDITION TO THE NAME OF THE NAME OF THE NAME OF STATES STAT	E 141.73 257.48 349.74 424.96 183.36 243.43 475.85 639.46 636.34 814.18 11.81 141.73 399.21 748.95 1173.91 1357.27 1800.70 2076.56 2716.01 3352.36 4186.53 4178.35 COST 82.69 168.01 266.20 231.01 48.24 184.33 351.83 556.93 498.44 95.78 2484.26 .00 13.31 21.15 32.31 777 71.66 71.66 103.26 153.23 231.74 240.81 240.81 .00 13.31 21.15 32.31 777 71.66 71.86 103.26 153.23 231.74 240.81 240.81 .00 5.56 8.39 13.27 716 71.66 103.26 153.23 231.77 240.81 240.81 .00 7.81 12.03 18.14 27.22 28.83 36.06 47.39 65.14 87.20 87.20 .00 7.81 12.03 18.14 2.25 70.23 79.05 79.05 79.95 77.56 777.56 789.38 .00 .00 7.81 18.08 110.85 89.96 .00 8.72 79.85 79.95 79.95 777.56 789.38 .00 .00 41.98 110.85 89.96 .00 .00 8.22 79 222.79 222.79 222.79 222.79 .00 .00 41.98 110.85 89.96 .00 .00 8.24 14.07 14.07 14.07	E 141.73 257.48 349.74 424.96 183.36 243.43 475.85 630.46 636.34 814.18 11.81 141.73 389.21 748.95 1173.91 1357.27 1800.70 2078.56 2716.01 3352.36 4186.53 4178.35 2005T 82.69 188.01 2286.20 231.01 48.24 184.33 351.83 566.93 498.44 244.26 244.26 .00 13.31 21.15 37.31 71.86 71.86 133.31 1890.04 2388.48 244.26 244.26 .00 13.31 24.45 33.31 7 1.86 71.86 133.31 1890.04 2388.48 244.26 240.42 .00 5.56 13.94 27.77 186 13.59 47.39 65.14 87.20 87.20 .00 7.81 12.03 19.14 2.25 10.0 13.59 75.88 109.27 113.10 .00 7.81 12.03 19.14 2.25 70.23 70.23 70.23 70.23 70.25 79.95 777.56 789.38 .00 .00 41.98 110.85 68.86 22.79 222.79 222.79 222.79 222.79 222.79 222.79 .00 .00 41.98 110.85 68.86 .00 .00 .00 .00 .00 .00 .00 .00 .00 .0	COST 82.89 141.73 257.48 148.95 173.91 185.727 1800.70 278.61 278.61 141.73 299.21 141.73 299.21 141.73 299.21 141.73 299.21 141.73 299.21 141.73 299.21 141.73 299.21 141.73 299.21 141.73 258.69 258.79 25	141.73 257.48 349.74 424.96 183.36 243.43 475.85 630.46 636.34 614.18 11.81 141.73 399.21 748.95 1173.91 1357.27 1300.70 2076.56 2716.01 3352.36 4186.53 4178.35 22.69 251.70 276.50 231.01 48.24 184.33 351.83 558.93 498.44 95.78 2444.26 24.60 13.31 21.15 21.35 77.26 71.66 103.26 153.23 231.74 240.81 240.81 20	141.73 257.48 349.74 424.86 183.86 243.43 475.85 638.46 636.34 814.18 11.81 141.73 399.21 748.05 1173.91 1357.27 1800.70 2078.56 2716.01 3352.36 4186.53 4178.35 82.89 2551.70 226.20 231.01 48.24 184.33 551.63 1580.04 2286.48 2484.26 2484.26 0.00 13.31 24.66 673.71 3.86 10.00 47.35 189.24 47.26 2484.26 0.00 13.31 24.66 673.71 3.86 10.00 47.35 184.33 231.74 240.81 0.00 7.81 12.64 27.22 22.63 28.83 35.06 47.36 13.77 0.00 7.81 12.64 27.22 22.83 28.83 35.06 47.36 13.20 0.00 7.81 12.64 27.22 22.83 24.85 24.25 13.20 0.00 7.81 12.64 27.22 22.83 24.85 22.79 22.79 0.00 0.00 17.37 52.85 70.23 79.95 79.95 77.95 77.95 0.00 0.00 17.37 70.23 70.23 79.95 79.95 77.95 77.95 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.

			HALAYSI ====================================	A SA TI	PROJECT FERENSET TU.)					
UMPTIONS FREEDRAN RAFFIC DEHAND	1987	888	8 8 8	2000	2001	2002	2003	2004	2005	2008
PASSENGERS(1) (NIL. PASSENGERS(2) (NIL. GOODS (NIL. TO	1126.00 583.00 757.00	1189.00 648.00 783.00	1256.00 722.00 808.00	1327.00 804.00 835.00	1402.00 894.00 863.00	1468.00 990.00 891.00	1537.00 1098.00 921.00	1809.00 1213.00 951.00	1685.00 1342.00 983.00	1746.00 1487.00 1013.00
PASSENGERS (1) (\$ PER PERSON KH) PASSENGERS (2) (\$ PER PERSON KH) GOODS (\$ PER TON KH)	11. 00. 13.	.07	10.741	101.	400	100.1	40 300.	001 000 000	 	. 10
ESCALATION RATE (x) INVESTMENT COST RAIL FARE MAINT & OPERAT COST	0 0 0 0 0 0 0 0 0	9.00 000 000	9000 0000	9.00 0.00 0.00	000 000	2.00 2.00 2.00	000	000 000 000	9.00 0.00 0.00	ww. 000, 000
PROFIT & LOSS STATEMENT RSFENUE PASSENGERS(1) PASSENGERS(2)	288 1285 99 99 150 150 150	284.02 142.21 43.83	322 157.73 1161.20	361.80 174.98 59.87 126.95	401.78 194.12 69.90 137.78	444 2134 811.282 148.34	491.19 234.82 94.48 162.09	543.42 257.89 109.79	801.85 283.58 127.54	8883 2083 2083 2085 3085 3085 3085
EXPENSE HAINT, & REPLACE COST PERSONNEL COST ENERGY COST	112.28 78.83 15.08 18.37	118.07 82.03 15.78 20.28	124.78 85.91 16.54 22.33	132 132 132 132 133 133 133 133 133 133	130.83 94.33 18.29 27.21	153.21 104.07 19.27 29.88	163. 110.35 20.35 32.34	172.72 115.14 21.52 36.06	1202.81 222.81 32.81 35.81	204.75 137.25 24.19 43.32
INTEREST PAYMENT	189.88	185.03	170.17	155.32	140.48	112.37	84.28	58.19	28.08	00.
DEPRECIATION CIVIL & TRACK ELECTRIFICATION SIGNALS TELECON ROLLING STOCK WORKSHOPS CONTAINER HAND. FACIL HISCELLANEOUS	-	જલે લ	001 4	φN 4	oγ <	00 4	0.00	2 20	0.01 10	8 22
INCOME	1 00 1	1 [~	1 04	{ +-<	101	1 100	1 t- 11	1	284.7	101

CASE	L	V	

	FIR	R	30	260	00.5	500	.10	0 B	79	000	000	180	22	52	00
	2007	×.	4803.	2484.	240.	87	113.	1383.	222	25	14.	242.	128	4931.	•
-	2006	317.88	4803.30	2484.28	240.81	67.20	113.10	285.58 1363.98	222. 79	22.93 54.86	9.47	242.18	128.22	317.96	00.
	2005	00.	4485.34	.00	240.81	87.20	113.10	1078.40	222.79	32.04	4.58	242.18	128.22	4613.58	00.
	2004	9.83	4485.34	2484.28	240.81	87.20	113.10	1078.40	222.79	32.00	4.58	242.18	128.22	9.82	00.
	2003	108.67	4475.52	2484.26	240.81	67.20	113.10	108.87	222.79	32.04	4.50	242.18	128 22	108.87	00.
	2002	54.38	4366.85	.00	240.81	.00	113.10	54.36 959.92	222.79	32.04	4.58	242.18	128.22	54.38	00.
	2001	40.80	4312.49	.00	.00	67.20	113.10	22.83 805.55	222.79	17.98	4.50	242.18	128.22	40.80	00.
	2000	63.50	4271.69	.00	240.81	67.20	113.10	83.50	222.79	14.07	4.58	242.18	128.22	63.50	00.
	1888	29.84	4208.19	.00	240.81	87.20	113.10	29.84	222.79	14.07	. 5 0 0 0 0	242.18	128.22	29.84	00.
	1998	00.	4178.35	2484.28	240.81	87.20	113.10	789.38	222.79	14.07	4.56	242.18	128.22	4308.57	00.
	1881	00.	4178.35	.00	.00	67.20	113.10	789.38	222.79	14.07	4.58	242.18	.00	4306.57	00.
		CAPITAL EXPENDETURE	CUHULATIVE	DETAILED CAPITAL COST CIVIL & TRACK CUMDLATIVE	ELECTRIFICATION CUMULATIVE	SIGNALS	TELECON CUMULATIVE	ROLLING STOCK CUMULATIVE	WORKSHOPS CUMULATIVE	CONTAINER HAND. FACIL	HISCELLANEOUS CURULATIVE	LAND ADDUISITION CUMULATIVE	INT DURING CONSTRUCTION CUMULATIVE	TOTAL CAPITAL COST CUMULATIVE	-SALVAGE VALUE

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	ASSUMPTIONS ASSUMPTIONS TRAFFIC DEMAND	ASSENGERS(I) (HIL.PERSON.KH) ASSENGERS(2) (HIL.PERSON.KH) 1 00DS (HIL.TON.KH) 1	IL FARE & TA ASSENGERS(1) ASSENGERS(2) 0005	ESCALATION RATE (%) INVESTMENT COST RAIL FARE MAINT & OPERAT COST	PROFIT & LOSS STATEMENT REVERUE PASSENGERS(1) PASSENGERS(2) GOODS	EXPENSE REPLACE COST PERSONNEL COST ENERGY COST	INTEREST PAYHENT	DEPRECIATION CIVIL & TRACK ELECTRIFICATION SIGNALS TELECON ROLLING STOCK VORKSMOPS CONTAINER HAND. FACIL MISCELLANEOUS
2008		1874.00 1822.00 1077.00	22 H 22	200 000 000	807.48 385.10 200.45 241.91	228.89 149.76 27.37 51.76	00.	122 1182 1188 1284 1286 1286 1286 1286 1286 1286 1286 1286
2009		1941.00 2017.00 1111.00	2.1.2 04.2 4.4	www 000	887.008 233.00 200.008	242.87 157.14 28.20 56.62	00.	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
2010		2011.00 2233.00 1145.00	2.4.2	8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	986 4311.94 270.885 585.55	268.06 174.89 31.22 81.95	00.	20 20 20 20 20 20 20 20 20 20 20 20 20 2
2011		2083.00 2472.00 1181.00	24.7.2	000 000	1091.70 489.78 314.83 307.09	284.19 182.90 33.46 67.84	00.	10 8 10 8 10 8 10 8 10 8 10 8 10 8 10 8
2012		2158.00 2738.00 1217.00	23.45 48.50	 000 000	1209.17 511.03 385.87 32.22	305.87 195.44 35.93 74.30	00.	16 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
2013		2238.00 3029.00 1255.00	8148 848	 000 000	13 5551 5555.98 3559.48 741	324.58 204.45 38.67 81.46	00.	00 00 14 1 0 1 0 1 0 0 0 0 0 0 0 0 0 0 0
2014		2317.00 3354.00 1294.00	2 & a. o	и и и 0 0 0	1488.92 804.92 494.49	358.51 227.44 41.71 89.38	00.	2000 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
2015		2400.00 3712.00 1334.00	21 H & & & & & & & & & & & & & & & & & &	8 8 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	1854.18 857.92 574.84 421.82	2381. 453.0.242 98.0.28	00,	1
2018		2486.00 4108.00 1375.00	37.5		1839.62 715.57 887.74 458.31	410.71 254.23 48.82 107.88	00.	289 11 11 8 8 8 8 9 9 9 9 9 9 9 9 9 9 9 9
2017		2578.00 4547.00 1418.00	0 to 10	0000 0000	2048.71 778.55 776.05 484.11	245 1581 1531 231 331 331 331	00.	249 94 28 94 28 94 3 22 18 9 00 18 9 00 13 5 34 13 4 7 13 6 8 3
2018		2689.00 5032.00 1462.00	2012	60.00 60.000	2283.67 846.99 901.76 534.91	482.59 294.79 57.88 130.13	00.	248.89 28.84 28.84 84.38 8.22 28.32 7.34 7.47 7.47 15511 63

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	2008	2002	2010	2011	2012	2013	2014	2015	2018	2017	FIR 8102	CASE	
CAPITAL EXPENDETURE	00.	93.17	100.40	308.86	200.68	623.55	178.65	68.80	1700.84	237.78	8. K		
CUNULATIVE	4803.30	4896.46	4998.86	5305,82	5508.50	6130.05	6306.70	6378.49	8077.13	8314.91	8314.91		
DETAILED CAPITAL COST CIVIL & TRACK CUNULATIVE	2484.26	2484.28	2484.28	2484.28	2484.26	2484.28	2484.28	2484.28	.00	.00	2484.26		
ELECTRIFICATION CUNULATIVE	240.81	240.81	240.81	240.81	240.81	240.81	240.81	240.81	240.81	240.81	240.81		
SIGNALS COMULATIVE	67.20	87.20	67.20	52.99	120.18	120.18	120.18	120.18	71.41	191.59	181.58		
TELECON	113.10	113.10	113.10	65.40	178.50	178.50	178.50	178.50	114.55	293.08	293.06		
ROLLINGSTOCK	1363.96	93.17	1557.53	161.32	200.68	1019.52	178.85	89.80	1477.33	237.78	3881.08		
VORTSHOPS CURULATIVE	222.79	222.78	222.79	222.78	222.79	823.55	848.34	348.34	848.34	848.34	848.34		
CONTAINER HAND. FACIL	54.96	54.96	54.86	29.28	84.22	84.22	84.22	84.22	37.34	121.57	121.57		
HISCELLANEOUS	14.03	14.03	14.03	14.03	14.03	14.03	14.03	14.03	14.03	14.03	14.03		٠.
LAND ADQUISITION CUMULATIVE	242.18	242.18	242.18	242.18	242.18	242.18	242.18	242.18	242.18	242.18	242.18		
INT BURING CONSTRUCTION CONBLATIVE	128.22	128.22	128.22	128.22	128.22	128.22	128.22	128.22	128.22	128.22	128.22		
TOTAL CAPITAL COST CURULATIVE	4831.52	93.17	100.40	308.96	5634.72	623.55 6258.27	178.85	89.80	1700.64	237.78	-4848.95 3794.18		
-SALVAGE VALUE	00.	00	00	00	00	00	00	00	00	00.	4648.95		