;																							i			
				·														-								
2000	(APDUNT) 000-000)	3,933	11-878	5110	2147	7,149	1,073	65,867	36-670 19-585	3.778	29,43	5,192	8	21	2,936 976	4,314	5+100	5.2	6+913	830	1.497	225,440			2000	2,443 5,941 5,941 2,900 5,900 603 603
1999	(APOUNT) (3,645	11 061	102.7	1,993	6.636	1,010	565-199 60-593	34,089 13.334	3,516	Z1+465	2,987	82	193	2,707 908	1.021	169.4	2010	6:371	83 71		209,111			1999	2,545 5,401 7,946 2,600 5,600 60 X
1998	(AMOUNT) (000.000) (3.386	10,329	25157	1,855	\$113	953 212 -	55.827	31.772	3,281	25,694	Z,803	830	11	2,501	3,758	1,322	ŝ	5+920	192 197	1.28	194,432			1998	2+646 4+910 7+556 5-000 5-000 60%
1997	(000-000)	3, 153	9,674	. 785-7	1,731	5,761	8 8 5	21,523	29, 696 16, 367	21615	Z4: 112	2.640	52	162	21315	3,523	3,989		5,497	982 1	1 152	181,259			1661	2,751 2,751 7,215 2,000 5,000 5,000
1996	(ANOUNT) 000,000)	2*944	9,090	2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1,620	5-391	658 202	47,642	27,842	2,884	22,705	2,495	22	9 1	2,147	3,313	3,688	214 214	5,116	<u>8</u>		169,462		1 2 	1996	2-860 4,058 6,918 2,000 5,000 60 %
1995	(AMDUNT) 000-000) (2,758	8,572	7.427	1.521	190.5	821	4115	26,190	2,717	21,456	2,368	. B)	136	1,997 707	3,128	3,417	192	112	620 1 1 60	212 212	158,924			1995	2,974 3,689 5,665 2,000 5,000 5,000
1994	(AMOUNT) (000-000)(2,591	8,112	21217	153	4.767	187	666109	24:723	2,569	20,354	2,25	ŝ	123	1,862	2,963	3,174	55	014.4	627	368 1	149,538		:	1994	3,092 5,000 5,000 5,000 5,000 5,000
1993	(AMOUNT) (000,000)	2.444	201.5	2,007	1.355	4.507	759	38,174	23,426	2,439	19,385	2,158	169 69	115	. [#2]1 [229	2,818	2,955	04141	4,197	69	827	141,205			1993	3,215 3,969 5,964 5,9666 5,9666 5,966 5,966 5,966 5,966 5,966 5,966 5,966 5,966 5,96
1992	(AMOUNT) (000,000)	2.313	7,352	2,804	1,286	4,277	100 1	35,641	22,284	2,324	18,540	2,073	36	901	1,633	2,692	2,759	87.4	3,955	25 12	12	133,839			1992	2,772 2,772 5,000 5,000 5,000 60%
1661	(AMOUNT) (000,000)	2,197	1 001	19/11	1.28	4,075	512 11	33, 576	21.285	2,22	17,808	2,001	8	8		2,582	2,583	900 (1	3,741	ន្លទ	1 2	127,360			1991	2,475 2,520 5,995 5,995 5,000 5,000 5,000
0661	(AMOUNT) 000.000)	1.048	3,388	706	365 2	676 1	5	15.678	10.209	1,069	8,590	079 187	13	\$ }	8E	1.24	1,213	20	1,776	92 i	58	60,848		 	1990	2,291 2,291 2,500 2,500 2,500 660 60
1989	(AMDUNT) 000,000)	1,004	3,274	1.159	325	1,873	22 22 22 22 22 22 22 22 22 22 22 22 22	14,780	10.475	670'1	8,324	¥5	8	3	663 247	1,203	1,158	110	1,692	262	3 ES	59,457		t. Čt	1989	2,5082 2,5082 2,5088 2,5088 6 0 8
OLLECTION	AT 1988 (X)						1		28 58 28 58	. '			• •	• •								24 5%				THUSAND) By Thusand) By TV1 Byw TV1 Oolour TV1
r of colour C TV sets	88 (¥)	8	5,128	207.1	1.95%	3.17%	X	31.38%	16,06K 7,87X		12.52%			0.11%	1.37%	1.85%	2.43%	57 m	3.17	0.37%	1. 1. 1. 1.	1082				జేజ వేరే
NUMBER OF COLO TV SETS	AT 1988 (000)	ង	67	4.2	¥ ₽	9	3 ^{ca}	285	304	Ъ.	23	5	<u>5</u> 60	~	χ <u>η</u> α	۶. K	2	<u>~</u> «	6	۴- ۴	12	1,893				de B/4 TV SETS BY de Colour TV Setts (License fee for (License fee for
NUMBER OF B/W TV SETS	8	1.15%	6.35%	2. TUR	100	3.305	0.82%	17.23	18.15%	X26"L	16.85%	2,05%	0.46%	0.03%	0.92%	2.38%	1.33%	1. 74% 1. 15%	2.56%	0.56%	0.23%	3005				4 NUMBER O
	¥ (000)	- 5	2 4 8 248	38	4 PS	2	22 8	8 LS	601	i E	658	87	5 ¹²	•	នក	3 83	នុន	ک ۲	8	81	ନ୍ତି . 	3,906		ť.		
AMOUNT OF COLLECTED	FEE AT 198 (000.000)	966	2,597	01011	391	1.731	88	9,817	10, 141 10, 141	1.017	7,936	50 X	ន	ス	36	12	1,096	200	1,229	5	R E	50.845		-	•	-3.82x
PROVINCE		I ACEH	NORTH SUMATERA	WEST SUPATERA	LAMBI -	SOUTH SUMATERA	BENGKULU 4 AMOINT	LATFUNG DKI JAKARTA	WEST JAVA CENTRAL LAVA	DI JOGYAKARTA	EAST JAVA	B A L I LECT MICA TENCEADA	EAST NUSA TENGGARA	EAST TIMOR	UEST KALIMANTAN Central kalimantan	SOUTH KALIMANTAN	EAST KALIMANTAN	NUKIH SULAWESI CENTRAL SULAWESI	SOUTH SULAWESI	SOUTHEAST SULAWESI	RIAN JAYA	INDBNFSTA	d i			3906 1893

FORCAST' TV LICENSE FEE REVENUE (CASE 3)

CTABLE:8-4-5-33

				: :		۰.								102 - 11 1 - 11			
РЕЕ (00)) тасғн	-	NUMBER OF 8/W TV SETS		NUMBER OF COLOUR (TV SETS	COVERAGE	1	1990	1661			1994	1995	1996	5	866)	1999	2000
CEH	FEE AT 198 (000,000) ((AT 1988 (000) (X) (000)	1988) (X)	AT 1988 (X) (((AMOUNT) (000,000) (0) (1000-000) (0)	MOUNT) (A	AMOUNT) (A 00.000) (00	MOUNT) (AM	0,000) (AP	00) (0001)	MOUNT) (A	AMOUNT) (000,000) (AMOUNT) 000,000)	(AMDUNT) 000,000)	(AMOUNT) (000,000)
	996 1		15%	3 1.28	87.3%	100	1.046	1,648			÷.	•	2 221	2,385	2,561	2,757	2,975
NORTH SUMATERA	2.597		5.35% 97 2.10% 2.1	_	20 20 20 20 20 20 20 20 20 20 20 20 20 2	3,274		6, 162 1, 733		. '			10,000 2,690	10.642	11,362	12,167	3.417
REAL JUNICIAS	1.089			•	26.52	1,162	163	2,298				3,611	4134	4,472	4,847	5,262	22.5
	391		1.00%	8 0.95%	: 2;2 2;2	Ś.	38	1,073	<u>, 1</u>				1,782 5.02	1,904	2,041	2,195	79542
BENEKULU	282		0.82%	8 0.424	¥9.04	202	104	8 23					25		1,049	1111	1,181
LAMPUNG	132				21 . 2X	8	1,103	1,690	÷.				2,533	2,658	2,801	2,962	3. S
DKI JAKARTA Jest Tava	9,817 10,141		17.23X 594	4 31.38%	12.12 17.12	14,780	18, 291	29,204- 18,425					52 406 30 474	50,675 70,675	61,409	750•00	127-04
CENTRAL JAVA	6,034	- • -			80 99	6, 142	7,226	11,133	÷.	•		÷ .	17,083	18,004	19,046	22:02	21,544
DI JOGYAKARTA	1.017	•		•	X6.09	1,049	1,247	1,947				· .	3,172	3,378	3,609	3,867	4,155
EAST JAVA	7:936		16.85% 237			8,324 0/2	10,022	15,582 1,751		•			24,975	26,524 7.004	28,263	30,211	32,387 7.511
HEST NUSA TENGGARA	28		-			5	121	069	_				1,088	1,152	1,224	1,305	1,395
EAST NUSA TENGGARA	8	1.				ស្ត	ŝ	1 83 :					<u>62</u>	2 <u>5</u>	515 515	8	1,056
EAST TIMOR Lest kai tmantan	3 <u>5</u>	· ·	0.038	2 0.11 X		74	55 -57 57	8 7 <u>7</u> 1- <u>77</u> 8					2 162	2,546	5 <u>5</u> 5	212 2,978	323
CENTRAL KALIMANTAN	217	ខ	0.51%	124 0 8		59 <u>7</u>		204					820	873	633	8	1,073
SOUTH KALIMANTAN	E					1 203	1.451	2,259					3,645	3,875	大 []	4,423	4,746
EAST KALIMANTAN	1,096	 8 8	1.33% 46 1.72% 15			1,158	1,416 509	2,260 034					1.602	282	* 5% F	1,008	110.0
MURIN JULAWESI	220		0.15%	8 0.42%		5	25	825					265	809	662	121	787
SOUTH SULAWEST	1,229		2.56% 60		-	1,692	2,071	3,273			÷		5,628	6+046	6,512	7,030	7,605
SOUTHEAST SULAWEST	12	20.	0.56%	7 0.374	32.4% 1	262	314	486 234			٠.		52	808 1	88	916 776	930 1 87
TALUKU IRIANJAYA	ខ្មន៍ត	30	e M	4 0 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	¥7.29	2 K2	28	019 19	7 899 7 19	4 <u>6</u>	818 818		1.16	1:267	t A	1,507	1,646
INDONESIA 50,845		3,906	00% 1.89	3 100%	54. SX	59.457	70.824	11, 181	16.837 1	23,267 13	36,032 16	64.021 1	85,282	198,176	212,575	228-621	246,471
		÷			·	1. 1		۰.	•			. •					
۰.		•		-													
- - 24	•••					ueus	, inde	· · 60		1	700		1004	1007	1008	001	2000-
						707	N641	1221	744		_		1770	126	222		1007
3906 1893	-3, 824 (ASSU) 10, 004 (ASSU) (Tota)	assumption numbe assumption numbe (total tv sets)	-3, 824 (ASSUMPTION NUMBER OF 9/4 TV 10, 004 (ASSUMPTION NUMBER OF COLOUR (TOTAL TV SETS) (LLOENSE,	sets By Thu Ty sets By Fee For B/W	HUSAND) (THUSAND) W TV)	3,757 2,082 1,000	3,613 2,291 1,000	3,475 2,520 1,500	3,342 2,772 6,114 1,500	3,215 5,249 6,264	3,092 5,446 1,500	2,974 5,663 1,500	2,860 4,058 6,918 1,500	2,751 7,215 1,500	2,646 4,910 1,590	2,545 5,401 7,946 1,500	2,448 5,543 8,389 1,500
			(LICENSE	, ,	UR TV)	2,500 60%	2,500 70%	70X	3, (50 70%				nc) ∿ \$8\$	51/2U 88%	nc) -?	288 2	00/10 88%

)

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8-4-6 Governmental Subsidy

(1) Forecast of Figure Revenue

 Source of Income for RRI and Increasing Rate of Income RRI is operated with a governmental budget (general fiscal budget). Its budgetary size amount to Rp. 18,684 Million (Rp. 11,303 Million for personnel expenses and Rp. 7,381 Million for nonpersonnel expenses).

On Pelita III, an increasing rate of the budget showed 28% on the average throughout the period while in Pelita IV it has indicated 20% as a mean in the said term.

In condition that a future forecast of the budget/increase for RRI could be made on the basis of an increasing rate in the fiscal year 1988/89, the rate was figured out to be 8.50%.

2) Governmental Subsidy

As it has been declined at 10% on the average throughout the period of Pelita IV, it is considered unappropriate to use only such a rate for the future. Thus, it is 8.50% to be used for the future forecast.

3) Source of Income for EC and Increasing Rate of Income EC is operated only with a governmental budget in the same care as that for RRI. In the budget, Rp. 55 Million is appropriated for personnel expenses and Rp. 60 Million, likewise, for nonpersonnel expenses. Thus, the total amounts to Rp. 115 Million for the fiscal year 1988/89.

It was started as from the fiscal year 1989/90 to allocate a budget direct to EC from the government which the budget for EC had been comprised in a governmental subsidy for TVRI before the year 1989/90. Therefore, in the financial the increasing rate of a governmental subsidy for RRI is adopted here as that for EC 8.50%.

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4) News Covering Fee

The increasing rate has reached 80% by rise of two separate times in unit price in the past and past Pelita IV inflation rate was average 6.81%. Since a future increasing rate is hardly forecast by using the said rate in the past, it is adopted here to add an inflation rate (7%) to the increasing rate in the whole revenue of TVRI. That result in 8.20%.

8-4-7 Estimated total income

Apart from the above, the (10 TV news cover income and other TVRI income (3) government subsidy are also expected as now and the entire income including all of these are shown in Table 8-4-6.

Table 8-4-6 Assumption of Total Income Statement for Ongoing Project and New Proposed Project

			. ·	12	<u> </u>				<u> </u>	(In M	illion Rp.)
		•	.199	3.					1998		
Case		RRI		TVRI		EC	ŔŔĬ		TVRI		EC
			License	Other			-	License	Other	:	
		Subsidy	Fee	Income	Subsidy	Subsidy	Subsidy	Fee	Income	Subsidy	Subsidy
			164,356	8,851	11,204			283,434	13,125	0	
Case 1	Sub-Total	28,094		184,411		173	0		296,559		0
en de la composición de la composición Esta en la composición de la composición	Total			212,678					296,559		
			82,178	8,851	11,204			141,717	13,125	16,847	
Case 2	Sub-Total	28,094		102,233		173	42,244		171,689		260
	Total			130,500					214,193		
			141,205	8,851	11,204			194,432	13,125	16,847	
Case 3	Sub-Total	28,094		161,260		173	0		224,404		260
	Total			189,527				<u></u>	224,664		
			123,267	8,851	11,204			212,575	13,125	0	
Case 4	Sub-Total	28,094	••••••	143,322	•••••	173	42,244		225,700		• 0
	Total			171,589	• • • • • • • • • • • • • • • • •	•••••		• • • • • • • • • • • • • • • •	267,944	••••••	•••••

8-5 Financial Analysis

For the project evaluation, the financial analysis is conducted from the viewpoint of the general capital to evaluate revenue that will be obtained from project itself.

(1) Analyzing method and preconditions

As the method of the financial analysis, the cost benefit analysis is adopted, which is widely used in general. Preconditions set up in conducting the cost benefit analysis are summarized below:

1) Incremental cost benefit

Difference between the revenue after the rehabilitation and the revenue after the rehabilitation is not made is regarded as the incremental cost benefit, i.e., the revenue against the investment.

2) Estimation of investment cost

The investment cost is estimated in both foreign and local currency portion according to the market price as of June, 1989. Currency exchange rate between foreign currency (US\$) and local currency (Rupiah) is set at US\$1.00-Rp.1,771 (as of June 1, 1989).

3) Service life

The service life of the project to evaluate the profitability is set to 15 years after rehabilitation.

4) Operation and maintenance costs

Generally, the operation and maintenance costs consist of the fixed cost which depends on the scale invested in the facilities, and the variable cost. The operation and maintenance costs only that will generate in the newly invested facilities are evaluated in this Study.

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5) Scope of revenue estimation

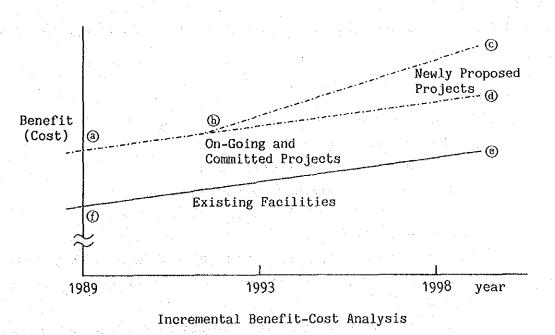
Since the abovementioned revenue on proportion to the investment cost proposed as a result of the study shall be the benefit which is subtracted from the benefit generating from the existing facilities of RRI, TVRI and E/C as estimated in loss and profit statement and from the ongoing projects.

6) Evaluation method and scope of analysis.

The method of evaluation and the scope of analysis are as follows:

- a) Method of evaluation: Incremental benefit-cost analysis
- b) Scope of analysis:

Financial and economic evaluations are made not only newly proposed projects (Scope of (D), (C), (d) shown in the following Figure) but also projects which RTF is decided and combination with newly proposed projects (Scope of (a), (b), (c), (e), (f) in the same).



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(2) Profitability indices

Indices of the internal rate of return (IRR) which are commonly used are based to evaluate the profitability. These indices are calculated by using the benefit flow and cost flow which belong to the Study.

Cash flow is calculated according to two cases of New Proposed Projects and Combination of Ongoing Projects. (RTF Projects) (Refer to Table 8-5-9 \sim 8-5-16)

- A. In case of New Proposed Projects FIRR are: 3% (Case-1), $\triangle 7\%$ (Case-2), $\triangle 2\%$ (Case-3) and $\triangle 2\%$ (Case-4).
- B. In case of combined case of Ongoing Projects (RTF Projects) and New Proposed Projects FIRR are: 7% (Case-1), $\Delta 2\%$ (Case-2), 2%(Case-3) and 3% (Case-4).

(3) Case Study

Based on the above estimation, the case study were made on how it is possible to cover the operation cost by racing the collection rate or revising the TV subscription fee and reducing government subsidy are assumed following manner, and showen in Tables 8-5-1 \sim 8-5-8 and Figs 8-5-1;

Case 1:

a-1) TV License fee shall be revised as follow;

Monochrome : Rp.2,000/per month

Coloar : Rp.5,000/per month

- a-2) TV License fee collection rate shall be up to; 63%(1989), 70%(1990-93), 73%(1994), 83%(1995) and 88%(1996-2000).
- b) TV news fee shall be increased by 8.2% as same as past trend.
- c) TV other income shall be increased by 8.2% as same as past trend.
- d) Government subsidy shall be increased by 8.5% as same as past trend and After 1994, it shall be "0".

Case 2:

a-1) TV License fee shall not be changed as the current subscription fee, but it shall be simmplified into two class:

Monochrome : Rp.1,000/per month

- Coloar : Rp.2,500/per month
- a-2) TV License fee collection rate shall be increased upto;
 - 63%(1989), 70%(1990-93), 73%(1994), 83%(1995) and 88%(1996-2000).
- b) TV news fee shall be increased by 8.2% as same as past trend.
- c) TV other income shall be increased by 8.2% as same as past trend.
- d) Government subsidy shall be increased by 8.5% as same as past trend.
- Case 3:
 - a-1) TV License fee shall be revised as follow:

Monochrome : Rp.2,000/per month

- Coloar : Rp.5,000/per month
- a-2) TV License fee collection rate shall be up to

63%(1989-2000)

- b) TV news fee shall be increased by 8.2% as same as past trend.
- c) TV other income shall be increased by 8.2% as same as past trend.
- d) Government subsidy shall be increased by 8.5% as same as past trend.

Case 4:

- a-1) TV License fee shall be revised as follow:
 - Monochrome : Rp.1,500/per month
 - Coloar : Rp.3,750/per month
- a-2) TV License fee collection rate shall be increased upto;
 - 63%(1989), 70%(1990-93), 73%(1994), 83%(1995)
 - and 88%(1996-2000).
- b) TV news fee shall be increased by 8.2% as same as past trend.
- c) TV other income shall be increased by 8.2% as same as past trend.
- d) Government subsidy shall be increased by 8.5% as same as past trend and After 1994, it shall be "0".

(4) Analysis of case study and recommendation

1) Analysis of Case -1

After analysis the case -1 of the profit and loss statement for the long term plan of the RTF, it is found that the RTF can realize all project of which the ongoing projects and new proposed projects. Those projects are estimated 6,5% of FIRR for ongoing & new

proposed project and 2,3% for new proposed project.

2) Analysis of Case -2

After analysis the case -2 of the profit and loss statement for the long term plan of the RTF, it is found that the RTF can realize only 87% of ongoing projects.

Those profits are estimated -2.1% of FIRR for ongoing projects & news proposed projects, and -7.3% of FIRR for the new proposed projects therefor new proposed projects can not be realized.

3) Analysis if Case -3

After analysis the case 3 of the profit and loss statement for the long term plan of RTF, it is found that the RTF can realize 100% of the ongoing projects and only 58% of the new proposed projects. FIRR for the ongoing projects & new proposed projects is 2,1% and for the new proposed projects have -2.8% of FIRR.

4) Analysis of Case -4

After analysis of the case 4 of the profit and loss statement for the long term plan of RTF, it is found that the RTF can realize 91% of the ongoing project and can not realize the new proposed projects.

And then FIRR for the ongoing projects & proposed projects is estimated 2.9% and for the new proposed project is estimated -1.6%. 5)Recommendation of case

According to the above case study,m the case 1 shall be recommended for the long term plan of RTF in order to realize of the all projects.

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PROFIT AND LOSS STATEMENT FOR LONG TERM PLAN OF BROADCAST SECTER (ON GOING & NEW PROPOSED PROJECT) (CASE 1) CTABLE:8-5-13

			• .		•					•			•		
(11)-(2)	=(13)	Net	rofit/Loss	962	4,379	8,121	712,77	81,543	84,505	-37,890	-39,231	-45,360	-58.427	-68, 521	74 0.7
9)+(11)=(12)	Grand	Total	Cost	85,392	90,017	100,593	112,113	118,798	128,172	228,842	268,286	303,613	334,792	365,080	202 054
(11)			Interest	•	0	0	D	0		64,783					
(5) - (9) = (10)		Operational	Profit/Loss	962	4,379	8,121	77,217	81,543	84,505	26,893	36,974	39,932	30,767	23,923	14.55/
	- (6)=	Total	Cast	85,392	90,017	100,593	112,113	118,798	128,172	164,059	192,081	218,321	245,598	272,636	Z07.176
	Total														
(2)	Total	Dperational C	Cost	47,539	50,987	54,684	59,459	65,728	72,637	79,102	92,884	129:66	106,951	114.764	172 807
(9)	Total	Personal (Cost Cost	26,475	29,278	32,763	36,233	40,070	46,065	54,048	62,355	74.331	87,731	103,217	120,108
(1)+(2)+(3)	+(4)=(2)	Total	Revenue	86,354	94,396	108,713	189,330	200,341	212,678	190,952	229,056	258,254	276,365	296,559	210.070
(†)		Subsidy								•	0	0	•	0	. -
(3)	REVENUE	Others	Revenue	2,209	2,390	2,586	2+798	3,028	3,276	3,545	3+835	4,150	4.490	4 858	200 2
(2)		News cover	Fee	3,759	4,067	4,401	4,762	5,152	5,575	6,032	6,526	7,061	7,640	8,267	0,01
(1)		License N	Fee	54,136	59,457	70,824	148,241	155,783	164,356	181,376	218,694	247,043	264,235	283,434	aca. 102
		YEAR		1988	1989	1990	1661	1992	1993	1994	1995	1996	1997	1998	1000

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PROFIT AND LOSS STATEMENT FOR LONG TERM PLAN OF BROADCAST SECTER		
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g	(ON GOING & NEW PROPOSED PROJECT)	
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TABLE: 8-5-2		
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(2) (2) REVENUE News cover Others S News cover Others S (3) 759 2, 209 (4, 4, 067 2, 520 (4, 4, 061 2, 586 (4, 6, 061 4, 150 (7, 061 4, 150 (7, 061 4, 150 (7, 061 4, 150 (7, 640 4, 4, 90 (7, 7, 640 4, 4, 190 (7, 7, 190 (7, 7, 190 (7, 190 (7, 190 (7, 190)
News cover News cover 5,759 4,401 4,762 8,032 8,945 9,678 8,945 9,678 8,945 7,061 8,945 7,061 8,945 7,061 8,945 7,061 8,945 7,061 8,945 7,061 8,945 7,061 8,945 7,061 7,061 7,061 8,945 7,0617,061 7,060 7,060 7,060 7,060 7,060 7,060 7,060 7,060 7,060 7,0

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PROFIT AND LOSS STATEMENT FOR LONG TERM PLAN OF BROADCAST SECTER (ON GOING & NEW PROPOSED PROJECT) (CASE 3) CTABLE:8-5-33

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	· .					•	۰.				e e e e e e e e e e e e e e e e					
(11)-(2)	=(13)	Net	rofit/Loss	962	4,379	-1,855	56,336	59,600	61,354	-26.902	-52,534	-72,524	-86,702	-98,172	-104,346	
)+(11)=(12)	Grand	Total	Cost	85,392	90,017	100,593	112,113	118,798	128,172	228.842	268,286	303,613	334,792	365,080	392,054	
(11) (5) (6) (6) (6) (6) (6) (6) (6) (7) (7) (7) (7) (7) (7) (7) (7) (7) (7		Loan	Interest	0	0	0	0	0	0	64,783	76,205	85,292	89,194	92,444	89,578	
(01)=(6)-(9)		Operational	Profit/Loss	962	4,379	-1,855	56,336	59,600	61,354	37,881	23,671	12,768	2,492	-5,728	-14,768	
() (8)+(2)+(9	(6)= ⁰	Total	Cost	85,392	90,017	100,593	112,113	118,798	128,172	164,059	192,081	218,321	245,598	272,636	302,476	
											36,842					
(2)	Total	perational. De	Cost	47,539	50,987	54,684	59,459.	65, 728	72.637	79,102	92.884	129*66	106.951	114,764	123,893	
(9)	Total	Personal 0	Cost	26,475	29,278	32,763	36+233	40,070	46,065	54,048	62,355	74,331	87,731	103,217	120,198	
(1)+(2)+(3)	+(4)=(2)	Total	Revenue	86,354	94,396	98,737	168,449	178, 398	189,527	201 940	215,752	231,089	248,090	266,908	287,708	
(†)	•	Subsidy			· · ·	÷.,	- ,		1.1		46,466			1.2	- :	
(3)	REVENUE	Others	- 1.	÷ .							3,835	1.5		· · ·	÷	
(2)		News cover	Fee	3,759	4,067	4,401	4,762	5,152	5,575	6,032	6,526	7,061	7,640	8,267	8,945	
(1)		License 1	Fee	54,136	59,457	60.848	127,360	133,839	141,205	149,538	158,924	169,462	181,259	194,432	209,111	
		YEAR		1988	1989 -	1990	1991	1992	1993	1004	1995	1996	1997	1998	1999	

	5)-(11)	=(13)	Net	ofit/Loss	962	4,379	8,121	40,157	42,597	43,416	-83,234	-93,904	107,120	124,486	139,379	-149.231	147,497
RP.))+(11)=(12) (5			à.												· .	
(UNIT: MILLION	(11) (0		Loan	Interest	0		0	0	0							89,578	
	(2) - (9) = (10)		Operational	Profit/Loss	962	4.379	8,121	40,157	42,597	43,416	-18,451	-17 699	-21,828	-35,292	-46,935	-59,653	-61,331
	(8)+(2)+(9)	(6)=	Total	Cost	85,392	90,017	100,593	112,113	118,798	128, 172	164,059	192,081	218, 321	245,598	272,636	302,476	323, 168
			മ്													58, 385	
	1		ð				. '								. '	123,893	
·	(9)	Total	Personal	Cost	26+475	29.278	32,763	36,233	40,070	46,065	54,048	62,355	74,331	87,731	103,217	120, 198	132,217
· . ·	(1)+(2)+(2)	+(4)=(2)	Totat	Revenue	86,354	94,396	108,713	152,270	161,395	171,589	145,608	174,382	196,493	210.307	225,700	242,823	261,837
•	(†)		Subsidy 5 1						÷	39 471		0	0	0	0	0	0
- - -	(3)	REVENUE															5,688
	(2)	- 1. - 1.	Neus cover	Fee	3,759	4,067	4.401	4,762	5,152	5,575	6,032	6.526	7,061	7.640	8,267	8,945	9,678
•	:		License	Fee	54,136	29,457	70,824	111, 181	116,837	123,267	136,032	164.021	185,282	198,176	212,575	228,621	246,471
		•	YEAR		1988	1989	1990	1991	1992	2661	1904	1995	1996	1997	1998	. 6661	2000

PROFIT AND LOSS STATEMENT FOR LONG TERM PLAN OF BROADCAST SECTER (ON GOING & NEW PROPOSED PROJECT) (CASE 4) (CASE 4) [TABLE:8-5-4]

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ETABLE:8-5-51 PROFIT AND LOSS STATEMENT FOR LONG TERM PLAN OF BROADCAST SECTER (ON GOING PROJECT) (CASE 1)

					-						_						•
								-						1. 	•		
	(5)-(:12)	=(13)	Net	rofit/Loss	962	4,383	8,111	77,197	81,521	84,824	-22,740	-4,185	5,178	2.744	2,771	2,313	10,557
RP.)	+(11)=(12)	Grand	Total	Cost	85,392	90,017	100,593	112,113	118,798	127,829	213,692	233,334	253,229	273, 788	293,969	316.915	333+652
UNIT: MILLION	(6) (11)	•		Interest	•	. 0	0	Ð	0		:				·		47,135
<u> </u>	5)-(9)=(10)		Dperational	Profit/Loss	962	4,383	8,111	77.197	81,521	84,824	32, 971	54,484	62.342	57,983	55,586	52,427	57,692
	~					1.24	÷.,	112, 113	1	1.1			•		. : 3		
	(8)	Total	preciation	Cost	11,378	9, 753	13, 145	16,420	13,000	9.241	25, 504	28,388	31.942	34,823	35,334	35,882	35,882
	(2)	Total	perational De	Cost	47,539	50+987	54,684	59,459	65+728	72,524	78,820	84,517	90,626	771,177	104,200	112,478	120,350
			ö				-	1.1					÷.,				130,285
	(1)+(2)+(3)	+(+)=(2)	Total	Revenue	86,354	94,399	108,704	189,309	200,319	212,654	190,952	229,150	258,407	276,532	296,740	319,227	344,209
	(*)		Subsidy				۰.	33,529					0	0	0		Ð
	(M	REVENUE	Others		:			2,798			•					•	
	(2)	•.	News cover	Fee	3,759	. 190**	4,401	4+762	5,152	5,575	6,032	6,526	7,061	7,640	8,267	8,945	9,678
	(1)		License N	Fee	54,136	59,460	70,815	148,221	155,760	164,332	181 376	218, 788	247,196	264,402	283.615	305,026	328,843
		• •	YEAR		1988	1989	1990	1661	1992	1993	1001	1995	1996	1997	1998	1999	2000

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(5)-(12) =(13)	Net Profit/Loss	962	4,383	8,111	3,086	3,640	2,658	-70,602	-67,112	-68,004	-74,755	-79,686	-85,805	-83,995
N RP.) 9)+(11)=(12) 6rand	Total Cost	85,392	90,017	100,593	112,113	118,798	127.829	213,692	233,334	253,229	273,788	293,969	316,915	333,652
(11) (11) (INIT: WILLIO	Loan Interest	C	0	0	.	0	0	55,711	58,669	57,164	55,239	52,815	50,114	47,135
2)-(6)=(10)	Operational Profit/Loss	962	4,383	8,111	3,086	3,640	2,658	-14,891	-8,443	-10,840	-19,516	-26,871	-35,691	-36,860
() (8)+(2)+(9) =(9)	Total Cost	85,392	90,017	100, 593	112,113	118,798	127,829	157,981	174,665	196,065	218,549	241,154	266,801	286,517
	spreciation Cost	ŧ.,							÷	ς.,		÷	1	
(7) Total	perational De Cost	42,539	50,987	54,684	59,459	65.728	72,524	78.820	84,517	90 .626	221.72	104,200	112,478	120,350
(6) Total	Personal O Cost	26,475	29,277	32,763	36,233	40,070	46,065	53,657	61,760	73,497	86,549	101,620	118,441	130,285
(1)+(2)+(3) +(4)=(5)	Total Revenue	86,354	94,399	108, 704	115,199	122,439	130,487	143,090	166,222	185,225	199,032	214,283	231,110	249,657
(4)		26,250												
(3) Revenue	Other's Revenue	2,209	2,390	2,586	2,798	3,028	3,276	3,545	3,835	4,150	4,490	4.858	5,256	5,688
(2)	Nevs cover Fee	3,759	4,067	4,401	4,762	5,152	5,575	6,032	6+526	7,061	7,640.	8,267	8,945	9,678
(1)		54, 136	29,460	70,815	74,110	77,880	82,166	90,688	109,394	123,598	132,201	141,808	152,513	164,422
	YEAR	1988	1989	0661	1661	1992	1993	1994	1995	1996	1997	1998.	1999	2000

CTABLE: 8-5-63 PROFIT AND LOSS STATEMENT FOR LONG TERM PLAN OF BROADCAST SECTER (ON GOING PROJECT) (CASE 2)

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CTABLE: 8-5-71 PROFIT AND LOSS STATEMENT FOR LONG TERM PLAN OF BROADCAST SECTER (ON GOINS PROJECT) (CASE 3)

				•		1.1	÷.,					1.1	· .	÷			
	(5)-(12)	=(13)	Net	Profit/Loss	296	4+383	-1,855	56,336	59,600	61.697	-11,752	-17,582	-22,139	-25,697	-27,062	-29,207	-22,977
RP.)		Grand									•			· • •			
UNIT: MILLION	(11) (6)		Loan	Interest	0	0	0	0	0		55,711	:		5.15			
-	(2)-(9)=(10)		Operational	Profit/Lass	962	4,383	-1,855	56-336	59,600	61,697	43,959	41,087	35,025	29,542	25,753	20,907	24,158
	() + (2) + (2) + (9)				85,392											100	
		Total	spreciation	Cost	11,378	9,753	13, 145	16.420	13,000	9,241	25,504	28, 388	31,942	34,823	35,334	35,882	35,882
	2	Total	perational De	Cast	47.539	50+987	54,684	59,459	65,728	72,524	78,820	84,517	90,626	221,172	104,200	112,478	120,350
	(9)	Totai	Personal 0	Cast	26,475	29,277	32,763	36,233	40,070	46,065	53,657	61,760	73,497	86,549	101,620	118,441	130,285
	(1)+(2)+(3)	;+(4)=(5)	Total	Revenue	86+354	94,399	98,737	168,449	178,398	189 527	201,940	215,752	231,089	248,090	266,908	287,708	310,675
	(†)	$(x_{i})_{i\in I} \geq 0$.,	1	26,250	-1		1.1.	e de la			1.			÷.,		
	(3)	REVENUE	 Others 			21	1		. 1			•		14	• •		ing t
	(2)		News cover	Fee	3,759	4,067	104.4.401	4,762	5,152	5,575	6,032	6,526	7,061	2,640	8,267	8,945	9,678
	6		License	Fee	54,136	59,460	60,848	127,360	133,839	141,205	149,538	158,924	169,462	181, 259	194,432	209,111	225,440
			YEAR		1988	1989	1061	1661	1992	1993	1661	1995	1996	1997	1998	661	2000

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	(5)-(12)	=(13)	Net	rofit/Loss	- 296	4,383	8,111	40,141	42,581	43,741	-68,084	-58,882	-56,621	-63;356	-68, 133	-73,944	-71,654
I RP.)															293,969		
(UNIT: MILLION	(11) (5)			Interest		0	0	0	0	1					52,815		
	5)-(9)=(10)		Operational	Profit/Loss	296	4,383	8,111	40,141	42,581	43,741	-12,373	-213	543	-8,117	-15,318	-23-830	-24,519
) (8)+(2)+(9)	=(6)	Totál	Cost	85,392	90,017	100,593	112,113	118.798	127,829	157,981	174,665	196,065	218,549	241,154	266,801	286.517
	(8)	Total	epreciation	Cosť	11,378	9,753	13,145	16,420	13,000	9,241	25,504	28, 388	31,942	34+823	35,334	35,882	35,882
	6	Total	perational De	Cost	47,539	50,987	54:684	59,459	65+728	72,524	78,820	84,517	90,626	97,177	104,200	112,478	120,350
			ω.												101.620		
	(1)+(2)+(3)	+(4)=(2)	Total	Revenue	86+354	64+399	108,704	152,254	161,379	177,571	145,608	174,453	196,608	210,432	225,836	242,971	261,998
	(7)		Subsidy				30+902					0	0		0	0	0
	(3)	REVENUE	Others	Revenue	2,209	2,390	2,586	2,798	3,028	3,276	3,545	3,835	4,150	4,490	4,858	5,256	5,688
	(2)		Neus cover	Fee	3,759	4,067	4,401	4,762	5,152	5,575	6,032	6,526	7,061	7,640	8,267	8,945	9,678
	(1)	•		Fee	54+136	59,460	70,815	111,166	116,820	123,249	136,032	164,091	185,397	198,301	212,711	228 769	246,633
			YEAR		1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000

CTABLE:8-5-81 PROFIT AND LOSS STATEMENT FOR LONG TERM PLAN OF BROADCAST SECTER (ON GOING PROJECT) (CASE 4)

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[TABLE:8-5-9]

PROJECTED CASH FLOW FOR LONG TERM PLAN OF BROADCAST SECTER (ON GOING & NEW PROPOSED PROJECT) (CASE 1)

(UNIT:NILLION RP.)

•••••	Investment	Investment	Total	Incremental	Incremental	Existing	Incremental	Net	
YEAR	Cost	Cost	Investment	Operational	Operation	Operational	Operational	Benefit	
	(FC+LC)	(LF)	Cost	Cost	Total-Cost	Revenue	Revenue		
1988	0	0	0	0	0	0	0	0	
1989	104,786	0	104,786	256	105,042		0	-105,042	
1990	110,709	0	110,709	860	111,570		3,701	-107-869	
1991	66,945	0	66,945	1,810	68,754	73,561	20,748	-48,007	
1992	86,061	0	86,061	3,602	89,664	79,497	22,422	-67,242	
1993	83,783	. 0	83,783	6,694	90,477	86,239	24,324	-66,153	
1994	70,510	0	70,510	8,049	78,559	99,569	28,084	-50,476	
1995	75,592	7,440	83.032	13,654	96+686	128,733	36,309	-60,377	
1996	61,037	7,440	68,477	14,344	82,821	150,902	42,562	-40,259	
1997	31,305	4,960	36,265	14,870	51,135	164,369	461360	-4,775	
1998	28,860	4,960	33,820	15,490	49,310	179,402	50,600	1,290	
1999	0	0	0	16,142	16-142	196,148	55,324	39,182	1997 - E. S.
2000	Ō	0	0	16,277	16,277	214,770	60,576	44,299	1.1
2001	â	0.	0	16,416	16 416	235,449	66,409	49,992	
2002	ñ	Ó	0	16,559	16-559	258,382	72,877	56,318	
2002	ů	. 0	. Ó	16,706	16,706	283,787	80,042	63,337	
2004	·····			16,857	16,857	283,787	87,973	71,116	t dia di
2007	ñ	ñ	. 0	17,012	17.012	283.787	961743	79,731	
2005	ň	Ň	Ő	17,172	17,172	283,787	106,435	89,263	
2007	ů.	Ň	Û	17,335	17-335	283,787	117,139	99.803	
2001	0	្រ	Ň	17,504	17,504	283,787	128,954	111,450	
2003	0	ι Λ	ñ	17,678	17 678	283,787	141,998	124,313	
2009	U A	, n		17.856	17.856		156-368	138,512	з.
2010	U 0	ñ	Ň	18.039	18,039	283,787	172,221	154,182	
2011	0	- ñ	0	18,227	18.227		189,693	171,466	•
2012	0	0	. î	18,421	18,421	283,787	208,093	189,672	
	719,589	24,800	744,389	***********************	1,082,220	5,006,000	2,015,947	933,727	
TOTAL	1173,207	243000	1771307	0017001			FIRR	6.52%	

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CTABLE:8-5-10]

PROJECTED CASH FLOW FOR LONG TERM PLAN OF BROADCAST SECTER (ON GOING & NEW PROPOSED PROJECT) (CASE 2)

(UNIT:MILLION RP.)

		Investment	Investment	Total		Incremental			Net	
1	EAR	Cost (FC+LC)	Cost (LF)	Cost	Cost	Total-Cost	Revenue	Operational Revenue	Design II	
1	988	0	(LF) ()	cusi Û	*********************	iocac cosc	Revenue	Revenue	n	••••••••••••••••••••••••••••••••••••••
	700 789	104,786	0	104,786		105,042	4,203	0	-105-042	
	,,,, 990	110,709	. 0	110,709		111.570	13,122	3,701	-107,869	
	991	66,945	0	66,945		68,754	15,746	4,441	-64,313	
	992	86:061	Ő	86,061	3,602	89,664	18,742	5,286	-84-378	
	993	83,783	n n	83,783		90,477	22,140	6,245	-84,232	
	994	70,510		70,510		78,559		8,132	-70,427	• • • • • • • • • •
	995	75,592	7,440	83,032		96,686	43,443	12,253	-84,433	
19	796	61,037	7,440	68,477	14,344	82,821	54,555	15,387	-67-434	
19	797	31,305	4,969	36,265	14,870	S1,135	61,317	17,295	-33,840	
19	998	28,860	4,960	33,820	15,490	49,310	68,862	19:423	-29,887	
0.19	999	0	0	0	16,142	16,142	77,265	21,793	5,651	
: 20	000	0	0	0	16,277	16,277	86,605	24,427	8,150	
-2	001	0	0	. 0	16,416	16,416	96,975	27,352	10,935	
20	302	0	- 0	. 0	16,559	16,559	108,471	30,594	14-035	
· 20	003	0	0	0	16,706	16,706	121,204	34,186	17,480	
2	004	Ó	Û.	0	16,857	16,857	121,204	38,160	21,303	
20	005 -	0	- 0	- 0	17,012	17,012	121,204	42,554	25,542	
20	6 00	0	0	0	17,172	17,172	121,204	47,408	30,237	
20	307) – C	0	0	17,335	17,335	121,204	52,769	35,434	
2	800	0	0	0	17,504	17,504	121,204	58,686	41,182	
20	109	0	. 0	0	17,678	17,678	121,204	65,213	47,536	
20	010	0	0	0	17,856	17,856	121,204	72,412	54,556	
20	011	0	. 0	0	18,039	18,039	121,204	80:347	62,309	
	012	0	0	• • 0	18,227	18,227	121,204	89,093	70,866	
	013	0	0	0	18,421	18:421	121,204	97,876	79,455	
T	ITAL.	719,589	24,800	744,389	337,831	1,082,220	2,033,524	875,033	-207,186	·····
			· · · ·	1.14				FIRR	-2.04%	

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(TABLE: 8-5-11)

PROJECTED CASH FLOW FOR LONG TERM PLAN OF BROADCAST SECTER (ON GOING & NEW PROPOSED PROJECT) (CASE 3)

(UNIT: MILLION RP.) Incremental Incremental Existing Incremental Net Investment Investment Total Benefit Operational Operational Investment Operational Operation YEAR Cost Cost Cost Total-Cost Revenue Revenue (15) Cost (FC.LC) Ö Û 0 0 1988 0 Û Q Ű. -105-042 0 104.786 256 105,042 4,203 Û 1989 104 786 5,340 57,273 110,709 111,570 1,506 -110-063 860 110,709 0 1990 -52,600 16,154 1991 66,945 Û 66,945 1:810 68,754 62,381 68,181 17.595 -72-069 86,061 89,664 3,602 1992 86-061 Q -71,246 19,231 83,783 0 83,783 6,694 90,477 1993 -57,480 70,510 8:049 78,559 74,735 21,079 0 1994 70,510 23,160 -73-526 13,654 96,686 82,113 75,592 7,440 83,032 1995 -57,327 257494 68,477 14,344 82,821 90,389 61,037 7,440 1996 99:647 28,106 -23 029 36,265 14,870 51,135 1997 31,305 41960 109,980 31,020 -18,290 4,960 33,820 15,490 49.310 28,860 1998 34,266 18:124 16,142 121,488 1999 Ò Û 16,142 Ö 16,277 16,277 134,284 37,875 21,597 0 0 2000 0 25:466 41,882 2001 Û Û Û 16,416 16,416 148,490 16,559 164.244 46,325 29,766 0 16,559 2002 Q 0 181,693 34-541 16.706 51,247 16,706 2003 0 Q Q 181+693 181+693 56,693 39.837 16,857 16,857 Ò 0 2004 Û 62,716 45,704 0 0 17,012 17:012 2005 0 181,693 69,371 52-199 17,172 17,172 2006 Q 0 Û 59,385 181,693 76,721 17,335 17,335 2007 0 Û 0 17:504 181,693 84,833 67,328 17,504 0 2008 D 0 76-105 93.783 0 0 17,678 17,678 181,693 2009 Q 181,693 103.653 85.797 17:856 17,856 2010 8 0 0 96,496 18.039 18,039 181,693 114,535 2011 0 9 0 108,301 18,227 181,693 126,528 2012 0 0 18,227 Û 120,470 18,421 181,693 138,890 0 18,421 Û 2013 Û 240,443 24,800 3,221,377 1,322,662 744,389 337,831 1,082,220 719,589 TOTAL 2.04% FIRR

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[TABLE:8-5-12]

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PROJECTED CASH FLOW FOR LONG TERM PLAN OF BROADCAST SECTER (ON GOING & NEW PROPOSED PROJECT) (CASE 4)

(UNIT: MILLION RP.)

YEARCostCostInvestment OperationalOperationalOperationalOperationalDenefit198800000000001989104,7860104,786256105,0424.2030-105,0421990110,7090110,709860111,57013,1223,701-107,869199166,945066,9451,81068,75444,65412,595-56,160199286,061086,0613,60289,66449,11913,854-75,810199383,783083,7836,69490,47754,18915,284-75,193199470,510070,5108,04978,55964,20118,108-60,452199575,5927,44083,03213,65496,68686,08824,281-72,405199661,0377,44068,47714,34482,821102,72828,975-53,846199731,3054,96036,26514,87051,135112,84331,827-19,308199828,8604,96033,82015,49049,310124,13235,012-14,299199900016,14216,142136,70638,55822,416200000016,41616,416166,21246,88030,464200200016,455916,559183,42751,7363	
19880000000001989104,7860104,786256105,0424,2030-105,0421990110,7090110,709860111,57013,1223,701-107,869199166,945066,9451,81068,75444,65412,595-56,160199286,061086,0613,60289,66449,11913,854-75,810199383,783083,7836,69490,47754,18915,284-75,193199470,510070,5108,04978,55964,20118,108-60,452199575,5927,44083,03213,65496,68686,08824,281-72,405199661,0377,44068,47714,34482,821102,72828,975-53,846199731,3054,96036,26514,87051,135112,84331,827-19,308199828,8604,96033,82015,49049,310124,13235,012-14,299199900016,14216,142136,70638,55822,416200000016,416166,21246,88030,464	
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	
199828,8604,96033,82015,49049,310124,13235,012-14,299199900016,14216,142136,70638,55822,416200000016,277150,60842,50226,224200100016,41616,416166,21246,88030,464	
1999 0 0 0 16,142 16,142 136,706 38,558 22,416 2000 0 0 0 16,277 150,608 42,502 26,224 2001 0 0 16,416 16,416 166,212 46,880 30,464	
2000 0 0 0 16,277 150,688 42,502 26,224 2001 0 0 16,416 16,416 166,212 46,880 30,464	
2001 0 0 16,416 16,416 166,212 46,880 30,464	
2002 0 0 16,559 16,559 183,427 51,736 35,177	
2003 0 0 16,706 16,706 202,496 57,114 40,408	
2004 0 0 0 16,857 16,857 202,496 63,066 46,210	
2005 0 0 17.012 17.012 202.496 69.648 52.636	
2006 0 0 17,172 17,172 202,496 76,922 59,750	
2007 0 0 17,335 17,335 202,496 84,954 67,619	
2008 0 0 0 17,504 17,504 202,496 93,820 76,316	
2009 0 0 0 17,678 17,678 202,496 103,602 85,924	
2010 0 0 17,856 17,856 202,496 114,390 96,534	
2011 0 0 0 18,039 18,039 202,496 126,284 108,245	
2012 0 0 0 18,227 18,227 202,496 139,393 121,166	
2013 0 0 0 18,421 18,421 202,496 152,984 134,564	
TOTAL 719,589 24,800 744,389 337,831 1,082,220 3,519,762 1,445,490 363,271	
FIRR 2.90X	

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[TABLE:8-5-13]

PROJECTED CASH FLOW FOR LONG TERM PLAN OF BROADCAST SECTER (CASE 1) (NEW PROPOSED PROJECT)

(UNIT:MILLION RP.) Existing Incremental Net Incremental Incremental Investment Total Investment **Benefit** Investment Operational Operation Operational Operational Cost YEAR Cost Revenue Total-Cost Revenue (FC.LC) (LF) Cost Cost Ö 0 Ö Ô Ò Õ Û Û 1988 0 G 4,205 Ö 0 Û 0 0 1989 0 13,114 Ô Q 0 0 Û Û 1990 0 73,544 0 0 Û Û 1991 0 Û 79,479 Ö -39,327 39,327 39,327 0 1992 39,327 Û -26,514 32,040 36,686 5,527 6,383 31,959 36,237 86,220 31,959 36,237 <u>81</u> 1993 0 99,569 449 0 1994 -40,919 49,176 128,807 8,257 5,615 43-561 1995 43,561 Q 9,681 -34,723 151.021 38,585 5,819 44,404 38,585 0 1996 10,545 -26,720 5,960 37:265 164,499 31,305 1997 31,305 0 11,509 12,583 179,543 -23-533 6,182 35,042 28,860 Û 28,860 1998 6,258 6,325 196:302 6,258 ß 1999 0 Û 214,938 13,778 7.496 6,282 6,282 0 0 2000 0 8,799 15,105 6,306 235,633 6,306 0 0 Û 2001 258,583 16,576 10,245 6,331 6:331 0 0 2002 Û 11,849 6,356 6,356 284,006 18,206 0 0 2003 Û 20,009 13,627 284,006 6,382 Ò Ö 6,382 Ó 2004 284,006 22,004 15-595 6,409 6,409 2005 D 0 Û 17.771 24,208 0 6,437 6,437 284,006 0 0 2006 6,465 284,006 26,643 20,177 0 Û 6.465 0 2007 29,330 32,295 22,836 6,494 284,006 Û 61494 Û 0 2008 284,006 25,770 6,524 6,524 Ò Û Ó 2009 29,010 35,565 6,555 284,006 0 6,555 2010 0 0 284:006 39,170 32,583 6,587 0 6,587 Q 2011 0 43.144 36+525 8 6,620 6,620 284.006 2012 0 8 40,870 47,523 284,006 0 0 61653 6,653 Û 2013 5,009,529 448,041 77,440 120,767 370,601 249 834 TOTAL 249,834 Û FIRR

2.27%

ETABLE:8-5-14]

PROJECTED CASH FLOW FOR LONG TERM PLAN OF BROADCAST SECTER. (NEW PROPOSED PROJECT) (CASE 2)

(UNIT:MILLION RP.)

YEAR	Investment Cost (FC,LC)	Investment Cost (LF)	Total Investment Cost	Incremental Operational Cost	Incremental Operation Total-Cost	Existing Operational Revenue	Incremental Operational Revenue	Net Benefit
1988	0	0	0	0	0	0	Q	0
1989	0	0	0	0	0	4,205	0	0
1998	0	0	0	0	0	13,114	0	0
1991	0	Ó	0	0	0	15,738	0	. 0
1992	39,327	. 0,	39,327	0	39,327	18,733	. 0	-39,327
1993	31,959	. · · ()	31,959	81	32:040	22,130	1,419	-30,622
1994	36,237	Û	35,237	449	36,686	28,833	1,848	-34,838
1995	43,561	0	43,561	5,615	49,176	43.479	2,787	-46,388
1996	38,585	. 0	38,585	5,819	44,404	54,615	3,501	-40,903
1997	31,305	Û	31,305	5,960	37+265	61,382	3,935	-33,330
1998	28,860	0	28,860	6,182	35,042	68,933	4,419	-30,623
1999	0	· O	0	6,258	6,258	77,342	4,958	~1,301
2000	0	0	0	6,282	6,282	86,689	5,557	-725
2001	. 0	0	0	6,306	6,306	97,066	6,222	-84
2002	0	· 0	0	6,331	6,331	108,572	6,960	629
2003	0	. 0	0	6,356	6,356	121,314	7,777	1,420
2004	0	0	0	6,382	6,382	121,314	8,680	2,298
2005	0	0	Û	6.409	61409	121,314	9,680	3,271
2006	0	. 0	0	6,437	6,437	121,314	10,784	4.347
2007	0	0	0	6,465	6,465	121,314	12,003	5,538
2008	0	0	0	6,494	6,494	121,314	13,349	6,855
2009	Û	0	0	6,524	61524	121,314	14,833	8.309
2010	0	Q	0	6.555	6,555	121.314	16,471	9,915
2011	0	- 0	0	6,587	6,587	121,314	18,275	11,688
2012	0	. 0	0	6,620	6,620	121,314	20,265	13,645
2013	0	0	0	6,653	6,653	121,314	22,456	15,803
TOTAL	249,834	0	249,834	120,767	370,601	2,035,286	196,178	~174,423
		······					FIRR	-7.25%

[TABLE:8-5-15]

PROJECTED CASH FLOW FOR LONG TERM PLAN OF BROADCAST SECTER (NEW PROPOSED PROJECT) (CASE 3)

(UNIT: MILLION RP.)

Net Incremental Incremental Existing Incremental Investment Total Investment Investment Operational Operation Operational Operational Benefit Cost YEAR Cost Cost Total-Cost Revenue Revenue (FC-LC) (LF) Cost Ô Ö 0 £ 0 1988 Ö 4,205 5,340 Q Û Û 0 1989 Û 0 0 0 0 0 0 Û 0 0 1990 57,273 62,381 0 Û 0 0 0 Q Q 1991 Ō -39.327 39,327 Û 39,327 0 39,327 1992 68,181 74,735 -27,670 -31,895 32,040 4,371 31,959 81 1993 31,959 0 36-237 449 36,686 45791 36,237 Ó 1994 49,176 -43,912 43.561 82,113 5,264 5,615 1995 43,561 0 -38-610 90,389 5,794 38,585 5:819 38,585 0 1996 37,265 99,647 6,388 -30,877 5,960 31,305 31,305 1997 Q 109,980 -27.992 7:050 35.042 28,860 6,182 28;860 Û 1998 121,488 7,788 1.529 6,258 6,258 Ö A 1999 0 8,608 2,326 134,284 6,282 6,282 0 Ð 2000 0 6,306 6,306 148,490 9,519 3.213 0 Û 0 2001 10,528 4,198 0 0 6,331 6,331 164,244 0 2002 11,647 12,885 5,291 181,693 6,356 6,356 0 0 0 2003 181,693 6.502 6,382 6.382 Ó 0 2004 Ö 181,693 14,254 7.845 6,409 Û 0 8 6,409 2005 9.329 15,766 6,437 181,693 0 0 6:437 2006 0 181,693 17,436 10.971 6,465 0 Û Q 6,465 2007 12.786 19,280 6,494 181,693 6:494 2008 0 Ó 0 14 790 17 002 181-693 21,314 6,524 Ò 0 6+524 2009 0 6,555 6,587 6,555 181,693 23,557 Ø Û 2010 0 181,693 26,031 19,444 0 0 0 6,587 2011 61620 61653 6.620 181,693 28,756 22,137 Û 2012 0 û 25,107 31,760 181,693 6+653 Û 0 Û 2013 292,786 77.815 370,601 3,221,379 249,834 0 249.834 120,767 TOTAL FIRR -2.75%

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[TABLE:8-5-16]

PROJECTED CASH FLOW FOR LONG TERM PLAN OF BROADCAST SECTER (NEW PROPOSED PROJECT) (CASE 4)

(UNIT:MILLION RP.)

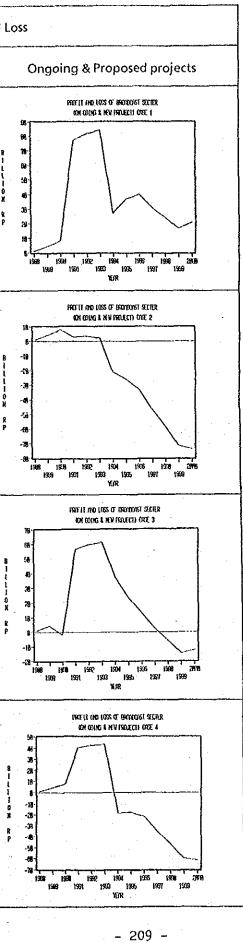
••••••	Investment	Investment	Total	Incremental	Incremental	Existing	Incremental	Net	
YEAR	Cost	Cost	Investment	Operational	Operation	Operational	Operational	Benefit	
	(FC+LC)	(LF)	Cost	Cost	Total-Cost	Revenue	Revenue		
1988	Û	0	. 0	0	0	0	0	0	
1989	· 0	Û	0	0	0	4,205	0	0	
1990	0	0	0	0	0	13,114	0	0	
1991	. 0 .	. 0	0	O	0	44,641	• 0	. 0	
1992	39,327	. Q	39-327	· · 0	39,327	49,106	. 0	-39,327	
1993	31,959		31,959		32,040	54,175		-28,568	
1994	36,237	0	36,237	449	36,686	64-201	4,115	-32,570	
1995	43,561	0	43,561	5,615	49,176	86,143	5,522	-43,654	
1996	38,585	- 0	38,585	5,819	44,404	102,818	6,591	-37,813	
1997	31,305	0	31,305	5,960	37,265	112,940	7,240	-30,025	•
1998	28,869	0	28,860	6,182	35,042	124,238	7,964	-27,078	
1999	0	Ċ	0	6.258	6,258	136,822	8,771	2,512	
2000	-0	0	0	6,282	6,282	150,814	9,668	3,385	
2001	0	0	0	6.306	6,306	166,350	10,663	4,358	
2002	0	0	0	6,331	6,331	183 577	11,768	5,437	
2003	0	0	0	6,356	6,356	202,660	12,991	6,635	
2004		0	0	6,382	6,382	202,660	14,345	7,962	• .
2005	. Ó	0	. 0	6,409	6,409	202,660	15,842	9,433	
2006	Ū.	Û	Ō	61437	6,437	202,660	17,496	11,059	÷.
2007	Û	0	0	6,465	6,465	202,660	19,323	12,858	
2008	Ő	0	0	6,494	6,494	202,660	21,339	14,845	-
2009		0	0	6,524	6,524	202.660	23,564	17,040	
2010		. 0		6,555	6,555	202,660		19,462	
2011	ñ	õ	Õ	6 587	6,587	202,660	28,723	22,136	
2012	ñ	้ถ้	· 6	6.620	6.620	202,660	31,704	25,085	
2013	, v	ů .	'n	61653	6,653	202,660	34,990	28,336	
TOTAL	249,834		249,834	120,767	370,601	3,522,407	322,109	-48,492	
IVIOL	LT//WT	······································					FIRR	-1.62%	,

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i			Income condition		FIRR	(%)	Realization	of project	Profit and Lo
·	Case Study	License Fee	News, etc.	Subsidy	Ongoing & proposed	Proposed project	Ongoing	Proposed	Ongoing projects
	CASE – 1	Fee: 200 % Collection %: 63 % – 88 %	As per past trend by 8.2 % (Accounted for 3 % of TVRI income in 1988)	 As same as 1988 base upto 1994 by 8.5 % After 1994 would be "0" 	6.52 %	2.27 %	100 %	100 %	PACIFII AGE LOSS OF GRUNCUST SECTUR EN COMO (NOLET) KORE 1)
	CASE – 2	Fee: 100 % Collection %: 63 % – 88 %	As per past trend by 8.2 % (Accounted for 3 % of TVRI income in 1988)	 Growth rate and amount are as per past trend as 8.5 % (accounted for some 30 % of total income of RRI & TVRI) 	- 2.04 %	- 7.25 %	87 %	0 %	Paper II no Los or Papagoel sector on collect rentect in context as
	CASE - 3	Fee: 200 % Collection %: 63 %	As per past trend by 8.2 % (Accounted for 3 % of TVRI income in 1988)	 Growth rate and amount are as per past trend as 8.5 % (accounted for some 30 % of total income of RRI & TVRI) 	2.04 %	- 2.75 %	100 %	58 %	SRTF11 R0 1055 IF 65070261 SCIDE ON ODIG FRALEAD BORE 3 R R R R R R R R R R R R R
	CASE 4	Fee: 150 % Collection %: 63 % - 88 %	As per past trend by 8.2 % (Accounted for 3 % of TVRI income in 1988)	 As same as 1988 base upto 1994 by 8.5 % After 1994 would be "0" 	2.9 %	- 1.62 %	91.%	0 %	POELI NO LOSS OF EMPTONET SLEAR (RI CORG FRUITE) KOTE 4) 64 64 6 7 8 8 9 10 10 10 10 10 10 10 10 10 10

Fig. 8-5-1 Case Study for Realization in Operation

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8-6 Economic Analyss

(1) Estimate conditions for iconomic cost

The financial cost (cost estimated according to the market price) calculated in the preceding chapter is converted to the economic cost showen in Tables 8-6-1 \sim 8-6-2. The following conditions for the calculatio price are set up.

1) Estimation to border proces

Materials and equipment prices (local currency portion) which will be procured in Indonesia is converted to the botder proces by muntiplying the standard conversion factor (SCF). SCF calculated by the following formula is 0.96.

$$SCF = \frac{Im + EX}{Im + Tm + Ex - T}$$

where, Im=annual import amount Tm=annual export amount Ex=annual import tariff amount Tx=annual export tariff amount

2) Unskilled workers

Because the proportion of the local currency portion is low, potential wages of unskilled workers are not calculated.

3) Land prices

Land prices are not considered, because the existing facilities are rehabilitated.

(2) Estimation of economic benfits

The conditions for estimating economic benefits which will generate through the implementation of this project are as follows and showen in Tables $8-6-3 \sim 8-6-5$.

1) Preconditions

Social benefit of broadcasting is great. However, measurable economic benefits only are estimated. Border prices do not exist in the broadcasting service. Benefits that will generate form this project are to estimate willingnes to pay against broadcasting service of beneficiaries (consumers). Since it is imposseble to make this estimaiton in this Study, the alternative plan of the broadcasting service is private broadcast, economized costs shall be regarded as the economic benefit.

2) Calculation price

RCTI (private broadcast) presently operates in Jakarta, and the monthly TV viewers rate is Rp. 30,000. Difference between RCTI's viewers rate and TVRI's average viewers rate shall be regarded as the economic benefit.

In addition, the above benefit unit price is reduced by 20% considering wage difference between Jakarta and the national average.

Market prices as calculated above are converted to border prices by multiplying SCF, which shall be the calculation prices. Economic benefits of radio are not calculated, because they are difficult to estimate.

3) Scope for economic benefit estimation

Beneficiaries' and consumers' willingness to pay for broadcast is estimated on a nationwide base. Since there is a private broadcast in Jakarta only, the number of private broadcasts's receivers processed is obtained by procession ratio of TVRI's receivers, and this ratio is applied to each province.

(3) Economic evaluation

Cash flow is calculated according to the two cases of New proposed Projects, and combination of Ongoing Projects (Refer to Table 8-6-5 and Table 8-6-6.) the calculated results are as follows:

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A. In the case of NewProposed Projects : EIRR 12.1%

B. In the combined case of Ongoing Projects

and New Proposed Project : EIRR 16.2%

Since opportunity cost of capital in Indonesia is about 12%, IRR the project as proposed in this Study exceeds the above percentage.

As explained above, the reason for (A) IRR of New Proposed Projects being lower than a combination of (B) RTF Project and New Proposed Project is that the case (A) is lower in the investment ratio for TV facility (9% of the investment plan under Repelita V and VI) than the investment ratio for TV facility as in the case (b) (25% of the investment plan under Repelita V and VI).

The values of EIRR is higher than those of FIRR respectively. In view of the mission of broadcast as public service, EIRR, which is a value invested in terms of social and economic merits in Indonesia, should be given priority than FIRR, a value showing financial benefit.

For this study, an economic analysis has been conducted as evaluation within measurable scope. As to be discussed later, the social benefits of broadcast service is high but will be higher if the above benefit is taken into account.

4) Consumer's Surplus estimation

For consumer's surplus benefit that derives from combined case of ongoing projects and proposed project or proposed projects only, estimate are made by the following formula.

Yearly Benefit = $(SF-LF) \times AIL \times No \times 1/2 \times \%$ where,

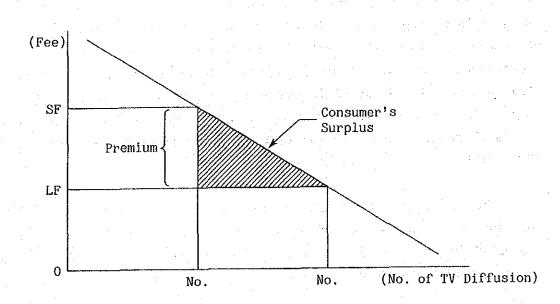
SF : Subscription fee of RCTI (Rp.30,000/Month)

LF : License fee of TVRI (Average Rp.1,900/Month unto 1990, Rp.3,500/Month after 1991)

AIL : Adjustment of income level (Average income level in Indonesia is about 80% of income level of DKI Jakarta) No : Number of Difference TV sets between RCTI and TVRI (Number of TV diffusion sets in each province derided by subscriber's ratio of RCTI in DKI Jakarta)

%

: Revenue Distribution Ratio (for combined case of ongoing projects and proposed project:22%, for proposed projects only: 7%)



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[TABLE:8-6-1]

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TOTAL ECONOMIC COST STATEMENT FOR LONG TERM PLAN (DN GOING & NEW PROPOSED PROJECT)

	a ji				10122	1 00 1	
	·				(UNIT: MILLION		······
Year	Incremental	Incremental		Incremental	Incremental	TOTAL	
	Pesonal	Operational	0 & M	Investment	Local Fund	Economic	
	Cost	Cost	Cost	Cost	Investment	Cost	
1988	0	0	0	. 0	0	0	
1989	138	108	246	100,595	0	100,840	
1990	611	215	826	106,281	. 0	107,107	·
1991	780	958	. 1,737	64,267	Û	66,004	
1992	958	2,500	3,458	82,619	. 0	86,077	
1993	2,346	4,080	6.426	80,432	0	86.858	
1994	2,764	4,963	7,727	67:690	0	75,417	
1995	3.216	9,892	13,109	79,710	7,142	99,961	
1996	3,719	10,052	13,771	65,738	7,142	86+651	
1997	3,892	10,210	14,102	34,814	4,761	53,678	
1998	4,147	10,369	14,516	32,467	4,762	51,745	
1999	4,263	10,869	15,132	0	0	15,132	
2000	4,383	10,869	15,252	0	0	15,252	
2001	4,505	10,869	15,375		. 0	15,375	
2002	4,632	10,869	15,501	0	0	15,501	
2003	41762	10,869	15,631	· 0	0	15,631	
2004	4,895	10,869	15,764	0	0	15 764	
2005	5,032	10,869	15,901	0	. 0	15,901	
2006	5,173	10,869	16,943	0	0	16,043	
2007	5,318	10,869	16,188	. 0	0	16,188	
2008	5,468	10,869	16,337	: 0	0	16,337	,
2009	5,621	10,869	16,490	0	Ó	16,490	•••••
2010	5,778	10,869	16,648	0	0	16,648	
2011	5,940	10,869	16,810	0	. 0	16,810	
2012	6,107	10,869	16,976	0	0	16,976	
2013	6,278	10,869	17,147	0	0	17.147	
TOTAL	100,726	216,385	317,111	714,613	23,808		
		••••••	••••••				

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TOTAL ECONOMIC COST STATEMENT FOR LONG TERM PLAN (NEW PROPOSED PROJECT)

				(UNIT:MILLIC	N RP.)	
Year	Incremental	Incremental	SUB-TOTAL	Incremental	TOTAL	
	Pesonal	Operational	0 & N	Investment	Economic	
	Cost	Cost	Cost	Cost	Cost	
1988	0	0	0	0	0.	· ·
1989	D	0	0	6	0	<u>.</u>
1990	i ~_0	.: 0	0	. 0	· 0	1.1
1991	0	· · · · · · · · · · · · · · · · · · ·	• • • • • • •	Û	0	
1992	. 0.	0		37 754	37,754	
1993	() .	78	78	30,681	30,759	
1994	251	180	431	34,787	35,218	- 1
1995	388	5,002	5,390	41,818	47,209	
1996	533	5,053	5,586	37,042	42,628	
1997	617	5,105	5,722	30,053	35,775	
1998	780	5,155	5,935	27,706	33,641	
1999	802	5,206	6,008	0	6,008	
2000	824	5,207	6,031	0	6.031	
2001	847	5,207	6.054	· · · O	6.054	
2002	871	5,207	6.077	0	6,077	
2003	895	5,207	6,102	0	6,102	
2004	920	5,207	6,127	0	6,127	
2005	946	5,207	6,153	0	6,153	
2006	973	5,207	6,179) D	6,179	1.1
2007	1,000	5,207	6,207	. 0	6,207	
2008	1,028	5,207	6.235	0	6,235	
2009	1,057	5,207	6.263	0	6,263	
2010	1,087	5,207	6,293		6,293	
2011	1,117	5,207	6,324		6,324	
2012	1 148	5,207	6,355	6	6,355	
2013	1,181	5,207	6,387	0	6,387	
TOTAL	17-265	98,671	115,936	239,840	355+777	

[TABLE:8-6-2]

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	************										INTERPORT	N. N	
PROVINCE	S S S S S S S S S S S S S S S S S S S	PROVINCES	17 OF										
0	(1989)	(000,000)	(000,000)	(1992)	(000,000)	(1994)	(1995) (000,000)	(000*000)	(000,000)	(1998)	(000,000)	(000+000)	
IACEH	32	936	897	611	926	641	•	426	166	1,008	1,026	1,044	
NORTH SUMATERA	4,675	4,748	4,549	4,623	4,699	4,777	. '	4,940	5,026	5,114	5,205	5,299	
VEST SUMATERA	1,430	1,459	1,398	1,420	1,444	1,468	1,492	1,518	1.54	1,571	1,599	1.628	
IAU	1,342	1,363	1,305	1,327	1,348	1,371		1.418	1,442	1,467	167 1	1,520	• •
AMBI	12	582	752	192	9/12	789		816	830	845	860	875	
SOUTH SUMATERA	2,561	2,601	2,492	2,532	2,574	2,617		2,706	2,753	2,802	2,851	2,903	-
BENGKULU	542	27	527	538	545	554	۰.	573	583	263	603	. 614	
AMPUNG	1.67	1.514	. 1-450	1,474	1,498	1.523		1,575	1,602	1+631	1 660	1,689	
DKI JAKARTA	17,169	17,438	16,707	16,977	17,255	17 542	•:	18,142	18,457	18,781	19,115	19,459	
WEST JAVA	13,727	13,942	13,358	13,573	13, 796	14, 025	1	14,505	14,757	15,016	15,283	15+558	
CENTRAL JAVA	9,418	9,565	9,164	9,312	394-6	9,622	÷	9,952	10,124	10,302	10,485	10.674	
DI JOGYAKARTA	1,463	1,486	1,424	2771	1,471	1,495		1,546	1,573	1,601	1,629	1,659	5
EAST JAVA	12,128	12,318	11,802	11,992	12,189	12,392		12,816	13,038	13,267	13+502	13,746	
BALI	1,423	1,445	1,385	1,407	1,430	1,454		1,504	1,530	1,556	1,584	1,613	
EST NUSA TENGGARA	220	26 26	541	549	558	568		587	265	608	619	630	
EAST NUSA TENGGARA	352	358	343	348	354	360		372	379	385	392	399	
EAST TIMOR	-4	14	40	. 40	41	42		43	11	1	45	4 6	
JEST KALIMANTAN	. 840	853	818	831	844	858		883	903	616	935	952	
DENTRAL KALIMANTAN	379	385	369	375	381	388		t01	804	415	72 1	021	
SOUTH KALIMANTAN	1.74	1,762	1,688	1,715	1,743	1,772		1,833	1,865	1,897	1.931	1,966	
EAST KALIMANTAN	1,328	1,349	1,292	1,313	1,335	1,357		1,403	1,428	1,453	1 478	1,505	
NORTH SULAWESI	623	633	607	616	626	637		629	670	682	694	206	
CENTRAL SULAWESI	6	193	185	<u>8</u>	161	194		200	204	208	211	215	
SOUTH SULAWESI	2,168	2,202	2,110	2,144	2,179	2,215	÷.,	2,291	2,331	2,372	2,414	2,457	
SOUTHEAST SULAWESI	262	399	382	389	395	402		415	422	430	438	445	
MALUKU	296	909	580	590	599	609		630	641	652	664	676	
ERIAN JAYA	312	317	303	308	313	318		329	335	341	347	353	

ECONOMIC BENEFIT OF EACH PROVINCE FOR LONG TERM PLAN (ON GOING & NEW PROJECT)

[TABLE:8-6-3]

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$ \begin{array}{c} \text{OUTCLE BURFIT OF} \\ \text{CMPONICCE BURFIT OF} \\ CMMONIC BURGE BURGE BURD (B00.000) (B00.000)$			****			*****		******************						
(1989) (1990) (1991) (1992)<	PROVINCE		NOMIC BENEF	ц С										
II 233 239 285 290 295 300 305 310 315 231 555 ERA 1571 1.447 1.477 1.465 1.520 1.557 1.572 1.557 1.557 1.555 1.572 1.555 1.572 1.555 1.557 1.555 1.557 1.557 1.555 1.557 1.555 <th1.555< th=""> <th1.555< th=""> <th1.555< th=""></th1.555<></th1.555<></th1.555<>		(1989)	(000,000)	(1000,000)	(000,000)	(1993)	(000,000)	(000*000)	(1996) (000,000)	(000,000)	(1998) (000,000)	(000,000)	(2000) (2000,000)	
TERA 1.48 1.511 1.447 1.471 1.495 1.522 1.595 1.627 1.656 ERA 477 446 445 452 459 457 446 445 452 459 457 468 491 500 509 509 505 556 556 556 556 556 556 556 556 556 556 557 556 557 556 755 556 757		293	298	285			300	· .		315	5 A.	326	332	
ERA 457 445 445 452 459 461 475 483 691 500 509 TERA 815 828 733 806 819 823 847 610 519 717 713 713 713 713 713 713 713 713 717 713 713 713 717 718 717 718 717 719 717 719 717 714 714 714 714 714 714 716 716	NORTH SUMATERA	1,488	1,511	1,447	• •		1,520	· 	1	1,599		-1,656	1,686	
427 43 445 425 446 445 445 446 445 446 445 446	WEST SUMATERA	457	7 07	445		۰. بر	- 467			491		209	518	
TERA 246 250 233 247 251 255 260 244 269 771 ITZ 175 165 175 168 177 165 175 168 177 907 907 K 5,445 5,546 5,516 5,546 5,576 5,773 5,616 5,773 5,617 5,675 5,776 6,022 K 5,545 5,546 5,576 5,576 5,575 5,616 5,773 5,617 5,675 5,676 6,022 KA 2,546 4,739 4,435 4,559 4,516 4,655 4,655 4,655 4,655 4,655 4,655 4,655 4,655 4,655 4,778 4,865 KRA 2,660 4,737 4,605 4,655 4,655 4,655 4,655 4,778 4,865 4,786 4,865 KRA 3,660 4,737 4,616 4,615 4,615 4,665 4,728 4,865	RIAU	427	434	415	• 1:	•	436			459	Ċ.	475	484	
815 828 733 806 819 833 847 861 876 891 907 774 482 5548 5.316 5.439 5.582 5.6773 5.873 5.976 5.082 $7,44$ 482 443 6.139 5.582 5.616 5.773 5.875 5.976 6.082 $7,645$ 5.548 5.316 5.402 5.403 5.582 5.676 5.773 5.875 5.976 6.082 $4,656$ $4,73$ $4,554$ $6,5366$ 5.773 5.875 5.976 6.082 $5,646$ $4,73$ $4,555$ $4,60$ $4,68$ 476 $4,81$ $4,92$ 501 5.776 5.885 5.576 5.778 5.695 5.778 5.695 5.778 5.695 5.778 5.695 5.778 5.695 5.778 5.695 5.778 5.695 5.778 5.695 5.778 5.695 5.778 5.695 5.778 5.695 5.778	JAMBI	546	250	239	·		2			264	•	274	5 <u>7</u> 9	
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	SOUTH SUMATERA	815		262			. 833	•		876		206	776	
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	BENGKULU	12		168			9/1		÷.	185	•	192	195	
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	LAMPUNG	727	.,	462		:	5 <u>5</u>	÷.,		510		528	538	
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	DKI JAKARTA	51463		5,316			5,582			5,873		6,082	6,191	
$ \begin{array}{rrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrr$	WEST JAVA	:4,368	••	4,250			61463			4,695		4,863	4,950	
$ \begin{array}{rrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrr$	CENTRAL JAVA	2,997	Ϋ.	2.916	÷.,		3,062			3,221	· .*	3,336	3,396	
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	DI JOGYAKARTA	99 1	-:	f53	:	•	914			202		518	528	
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	EAST JAVA	3,859	1 11.	3,755	e .		3,943			4,148		4,296	4,374	
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	BALI	÷53	094	111			463	•	. 1	184	(204	513	
112 114 109 111 113 115 116 118 121 123 125 267 272 260 264 269 273 278 282 287 292 298 121 123 13 13 13 13 13 13 14 14 14 14 121 123 13 13 13 13 13 13 13 14 16 16 604 614 604 61	WEST NUSA TENGGARA	11	180	172	•	ал С	18			190		197	200	
13 13 13 13 13 13 13 13 14 15 15 15 15 15 15 15 15 15 15 15 15 15 15 15 15 15 15 16 <t< td=""><td>EAST NUSA TENGGARA</td><td>112</td><td>÷</td><td>100</td><td>• :</td><td></td><td>15</td><td></td><td></td><td>121</td><td></td><td>125</td><td>127</td><td></td></t<>	EAST NUSA TENGGARA	112	÷	100	• :		15			121		125	127	
267 272 260 264 269 273 278 287 292 298 121 123 117 119 121 123 125 128 130 132 134 552 561 537 546 573 583 595 604 614 423 423 425 454 455 564 573 583 595 604 614 423 423 425 453 564 573 583 595 604 614 423 425 454 462 470 213 217 221 221 690 701 193 196 199 205 717 729 742 755 768 610 67 63 66 67 66 67 67 68 64 65 66 67 68 67 68 67 68 67 68 67 68 67 68 67 68 67 66 67 68	EAST TIMOR	13			 		13			14		14	Σ	
M 121 123 113 119 121 123 125 128 130 132 134 552 561 537 546 573 564 573 583 595 604 614 423 426 411 418 425 453 583 595 604 614 423 429 411 418 425 453 563 604 614 630 61 59 60 61 62 65 66 67 67 690 701 671 682 693 705 717 729 742 755 768 610 193 196 199 124 126 122 127 129 129	WEST KALIMANTAN	267	÷,	260			273	4 		287		298	303	
552561537546573583593604614 423 429 411 418 425 432 439 447 454 462 470 423 429 411 418 425 432 432 432 462 470 423 429 201 193 196 199 203 206 210 213 217 221 60 61 62 63 64 65 66 67 690 701 671 682 693 705 717 729 742 755 768 610 193 188 191 194 197 200 204 206 211 99 101 96 98 100 101 103 105 107 108 110	CENTRAL KALIMANTAN		÷.	. 117		ľ	123			130		134	137	
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	SOUTH KALIMANTAN	552		537		•••	3	•		263		614	626	
198 201 193 196 199 203 206 210 213 217 221 60 61 59 60 61 62 63 64 65 66 67 690 701 671 682 693 705 717 729 742 755 768 690 701 671 682 693 705 717 729 742 755 768 127 127 122 124 126 128 130 133 137 139 190 193 185 188 191 194 197 200 204 208 211 99 101 96 98 100 101 103 105 107 108 110	EAST KALIMANTAN	123	 - 1	413	÷		55		;	454	•	. 470	62.4	
60 61 59 60 61 62 63 64 65 66 67 690 701 671 682 693 705 717 729 742 755 768 690 701 671 682 693 705 717 729 742 755 768 1 125 127 122 124 126 134 137 139 190 193 185 188 191 194 197 200 204 208 211 99 101 96 98 100 101 103 105 107 108 113	NORTH SULAVESI	198	` .	193		i.	203		1	213		2	225	
690 701 671 682 693 705 717 729 742 755 768 1 125 127 122 124 126 128 130 132 134 137 139 190 193 185 188 191 194 197 200 204 208 211 99 101 96 93 100 101 103 105 108 110	CENTRAL SULAWESI	99		£		• .	62			62 [°]	· * .	- 67	%	
I 127 122 124 126 128 130 132 134 137 139 190 193 185 188 191 194 197 200 204 208 211 99 101 96 98 100 101 103 105 110	SOUTH SULAWESI	690	1.	671			<u>50</u> 2		· ,	242		168	282	
190 193 185 188 191 194 197 200 204 208 211 99 101 96 98 100 101 103 105 108 110	SOUTHEAST SULAWEST	12		8	12		128	,	2	134	•••••	139	142	
99 101 96 98 100 101 105 107 108 110	MALUKU	961 		185	•		161			204		211	215	
	IRIAN JAYA	8		. 96			101	•	· ·	107		113	112	
3/ 720 3/ 707 3F 130 3F F/F 3F 677 3F 131 3K 870 37 7F0		9E 007	26 206	022 70	202 70	001 30		750 DE	101 70	040 70	07 2E0	220 40	022 00	

CONDATC BENEFIT OF EACH PROVINCE FOR LONG TERM PLAN (NEW PROJECT)

[TABLE:8-6-4]

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[TABLE:8-6-5]

PROJECTED CASH FLOW FOR ECONOMIC ANALYSIS OF LONG TERM PLAN IN BOADCAST SECTER (ON GOING & NEW PROPOSED PROJECT)

						(UNIT:MILL	ION RP.)	
		Incremental	Investment	Investment	Incremental	Total	Net	
		Economic	(FC)	(LF)	Economic	Economic	· .	
	Year	Benefit	Cost	Cost	Cost	Cost	Benefit	
	1988	Û	0	0	0	0	0	
	1989	0	100,595	0	246	100,841	-100;841	
	1990	79,813	106,281	0	826	107,107	-27,294	
	1991	76,467	64-267	0	1,737	66,004	10,463	
$\mathcal{L}_{\mathcal{A}}$	1992	77,702	82,619	. 0	3,458	86:077	-8,375	
	1993	78,976	80,432	0	6,426	86,858	-7,882	
•••	1994	80,289	67,690	0	7,727	75,417	4.872	
	1995	81,642	79,710	7,142	13,109	99,961	-18,319	
	1996	83,037	65,738	7,142	13,771	86,651	-3-614	
	1997	84,476	34,814	4,762	14,102	53,678	30,798	
	1998	85,958	32,467	4,762	14,517	51,746	34,212	
	1999	87,487			15,132	- 15,132	72,355	
	2000	89,063			15,252	15,252	73,811	
	2001	90,687	5. S.		15,375	15,375	75,312	
	2002	92,362	e general de la composición de la compo		15,501	15,501	76:861	
	2003	94,089		÷	15,631	15,631	78,458	
	2004	95,868			15,764	15,764	80,104	
	2005	97,703			15,901	15,901	81,802	
	2006	99,595			16:043	16,043	83,552	
	2007	101,545			16,188	16,188	85,357	
	2008	103,555			16,337	16:337	87,218	
	2009	105.627			16,490	16,490	89,137	
	2010	107,763	- 1 ⁶		16,649	16,649	91,114	
	2011	109,966	1		16,810	16,810	93,156	
. '	2012				16,976	16,976	95.260	
	2013	114,577		· .	17,147	17,147	97,430	
	TOTAL	2,230,484	714,613	23,808	317,115	1,055,536	1,174,948	
						EIRR	16.15%	

10.1

(TABLE:8-6-6) PROJECTED CASH FLOW FOR ECONOMIC ANALYSIS OF LONG TERM PLAN IN BOADCAST SECTER (NEW PROPOSED PROJECT)

			1 - A		(UNIT:MILL	ION RP.)	
·····	Incremental Economic	Investment (FC)	Investment (LF)	Incremental Economic	Total Economic	Net	
Year	Benefit	Cost	Cost	Cost	Cost	Benefit	
1988	0	0	(0	0	
1989	. 0	. 0	() 01	0	0	
1990	. 0	0	· . 0	0	0	0	
1991	. 0	0	0	1 · D	0	0	
1992	. 0	37,754	- C	r O ¹	37.754	-37,754	
1993	25,129	30,681	· • •	78	30,759	-5,630	
1994	25,546	34,787	Ċ		35,218	-9:672	
1995	25,977	41,818	. Q	5,390	47,208	-21,231	
1996	26,421	37,042	1 (5,586	42,628	-16,207	
1997	26,879	30.053	0	J.,	35,775	-8,896	· · ·
1998	27,350	27,706	. 0		331641	-6,291	
1999	27,837			61008	6,008	21,829	
2000	28,338			6.031	6,031	22,307	
2001	28,855			6,054	6,054	22,801	
2002	29,388			6:077	6.077	23,311	
2003	29,937			6,102	6,102	231835	
2004	30,504			6,127	6,127	24,377	
2005	31,087			6,153	6,153	24,934	
2006	31,689	1. A.		6,179	6,179	25,510	
2007	32,310			6,207	6,207	26,103	
2008	32,949			6,235	6,235	26,714	
2009	33,609			6,263	6,263	27,346	
2010	34,288		· .	6,293	6,293	27,995	
2011	34,989	2		6.324	6,324	28,665	
2012	35,712			6,355	6,355	29,357	
2012	36,456			6,387	6,387	30,069	
TOTAL	635,250	239,841		115,937	355,778	279,472	
IUIAL	0331230	2077011			EIRR	12.05%	

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8-7 Economic and Financial Analysis for Short Term Plan

8-7-1 Evaluation Method

Preconditions for evaluation (Refer to Tables:8-7-1 \sim 8-7-12) are the same as those in the Long-term Plan Report, but the evaluation method for the short-term plan is as follows:

(1) Project-package evaluation

The economic analysis is conducted for individual project grouped according to the system.

(2) Evaluation indices

Benefit by the broadcasting service is generated through national networking. It is difficult to estimate the degree of benefit generated by individual facility., This means that the allocation rate of income of the individual facility cannot be estimated. Accordingly, the financial evaluation is not made. The economic analysis only is conducted, which becomes evaluation indices.

(3) Allocation rate of radio and TV

The economic benefits for TV shall be regarded as those for the overall broadcasting, because the economic benefits for radio broadcasting cannot be estimated, as described in the Long-term Plan Report. As the benefit allocation radio to radio, the present viewers fee rate of radio and TV (1:4) is applied.

(4) Benefit allocation ratio to engineering center

Since the engineering center is invested as facilities for the maintenance of radio and TV broadcasting services, benefits are allocated in the ratio of the investment amount in the engineering center's facilities to the total investment amount in facilities.

As explained above, EIRR for each project package in the short-term plan varies largely between -48% and+41%. EIRR for the total short-term

plan is as low as 11.7% which is due to the fact that the investment to TV broadcast receiving economic benefits accounts for only 2% of the total short-term plan. there are five project packages whose opportunity cost of capital is below the intended 12% all of which are project evaluation to be invested under Repelita-V. However, as broadcast service is necessary to conduct continuously EIRR of 12% must be targeted as indicated in the report of long-term plan. The two project packages of minus EIRR are located in the regions of small economic-size such as Iriyan Jaya and Maluku, however, the reasonability of investment should not be judged only because EIRR is low, in view of the social mission of broadcast service.

[TABLE:8-7-1] (RRI,TVRI AND EC) INVESTMENT COST FOR SHORT TERM PLAN

10.0

.

A) REHABILITATION OF 8 HP	RADIO STA	TION (RRI)			· · · (UNIT:MILL	ION RP.)	
	1989	1990	1991	1992	1993	1994	TOTAL	
) Land Acquisition(L)	•			0	0	0	0	
<pre>2) Building/Structure(L)</pre>	.*			0	0	0	0	
) Construction Cost(L)	н. 1910 - Алт			0	0	0		
) Facilty/Equipment(F)	de la composición de			4,563	3,298	2,914	10,776	
) Construction Cost(F)	· · · ·			2,505	3:757	3.757	10,019	
Sub-Total	Q	0	Q	7,068	7,056	6,671	20,795	
) Consulting Fee(F)				354	287	451	1,092	
) Contingencies(F)				496	484	484	1,463	
TOTAL	G	8	0	7,918	7,826	7,606	23,350	
) Coordination Fee(L)				36	54	54	144	
Grand Total	0	0	0	7,954	7:880	7,660	23,494	

) REHABILITATION OF 5 TV	STATIONS	(TVRI)			(UNIT:MILLI	(ON RP.)	
	1989	1990	1991	1992	1993	1994	TOTAL	
) Land Acquisition(L)				·			0	
) Building/Structure(L)					,	1	1	
) Construction Cost(L)						1.2.1	0.	
Facilty/Equipment(F)				434	285	1,637	2,356	
Construction Cost(F)			•	298	273	905	1,476	
Sub-Total	0	O	· O	732	558	2,543	3,833	
Consulting Fee(F)				38	23	173	234	
Contingencies(F)				50	37	174	260	
TOTAL	0	0	Q	819	618	2,890	4,327	
Coordination Fee(L)				18	18	54	90	
Grand Total	0	Q	0	837	636	2,944	4,417	

C) MAINTENANCE BASES(EC)					(UNIT:MILL	ION RP.)	
	1989	1990	1991	1992	1993	1994	TOTAL	
1) Land Acquisition(L)							0	
2) Building/Structure(L)				1,060	235		1,295	
3) Construction Cost(L)	. ·	ана. 1997 — Алар					0	
4) Facilty/Equipment(F)				10,490	3,956	4 638	19,084	
5) Construction Cost(F)	· · ·	•		186	211	0	397	
Sub-Total	0	0	Q	11,736	4,401	41638	20,775	
6) Consulting Fee(F)		· .		581	178	310	1,069	
7) Contingencies(F)		s +		744	298	322	1,364	
TOTAL	0	Û	0	13,061	4,877	5,270	23,208	
8) Coordination Fee(L)							0	
Grand Total	Ð	0	0	13,061	4,877	5,270	23,208	

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	1989	1990	1991	1992	1993	1994	TOTAL	
1) Land Acquisition(L)					· ·	· · · ·	0	
2) Building/Structure(L)							. 0	
3) Construction Cost(L)								
4) Facilty/Equipment(F)				1,607	33	33	1:674	
5) Construction Cost(F)				298			298	
Sub-Total	. O	Û	0	1,905	33	33	1,972	
6) Consulting Fee(F)				102		· ·	102	
7) Contingencies(F)		· .		124			124	
TOTAL	Ò	0	0	2,131	33	- 33	2,198	
8) Coordination Fee(L)				- 96			96	
Grand Total	8	0	Q	2.227	33	33	2,294	
						an ang	in a second	
	n Arte				. : 			

E) TV UP-LINK(TVRI)						(UNIT:MILL)	ON RP.)	
-/ // -	1989	1990	1991	1992	1993	1994	TOTAL	
1) Land Acquisition(L)					••••		0	
2) Building/Structure(L)							Q	
3) Construction Cost(L)					an say ing Ngga		0	
4) Facilty/Equipment(F)			· .		2,083	2,083	4,166	
5) Construction Cost(F)	· .				37	37	74	·
Sub-Total	0	Û	0	0	2,120	2,120	4,241	
6) Consulting Fee(F)					86	141	227	
7) Contingencies(F)					149	149	298	
TOTAL	0	8	0	0	2,355	2,410	4,765	
8) Coordination Fee(L)					2	2		
Grand Total	0	Q	0	0	2,357	2,412	4,769	
				· .				
			:					
F) RADIO PROGRAMME LINE(RA	(I)	·				(UNIT:MILL)	ON RP.)	

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F) RADIO PROGRAMME LINE(RRI)					(UNIT:MILL	ION RP.)	·····
	1989	1990	1991	1992	1993	1994	TOTAL	
1) Land Acquisition(L)	· · · · · · · · · · · · · · · · · · ·						0	
2) Building/Structure(L)	÷				a de	- 1	0	
3) Construction Cost(L)		· · ·			1.1	1.1.1	0	
4) Facilty/Equipment(F)				6,840			6,840	1. C.
5) Construction Cost(F)				878			8/8	
Sub-Total	0	0		0 7,718		0	7,718	········
6) Consulting Fee(F)				394			394	
Contingencies(F)				533	*************		555	
TOTAL	6	0		0 8,645		0	81645	
8) Coordination Fee(L)				192			192	
Grand Total	0	0		0 8,837	<u>.</u>	<u>.</u> 0	8,837	

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and the second								· · · · ·
	- E - E			-	-			
G) MW TX TO SW STATIONS(R	RI)					UNIT:NILL		
	1989	1990	1991	1992	1993	1994	TOTAL	
1) Land Acquisition(L)	·			1,000	1,750	2,000	4,750	
2) Building/Structure(L)				137	86	530	753	
3) Construction Cost(L)							. 0	
4) Facility/Equipment(F)				3,484	6,808	7,502	17,794	
5) Construction Cost(F)				1,116	2 232	2,232	5,580	
Sub-Total	0	0	0	5,737	10,876	12,264	28,877	
 Consulting Fee(F) 				281	435	809	1,525	
7) Contingencies(F)				310	620	670	1,600	•
TOTAL	8	8	0	6,328	11,931	13,743	32,002	
8) Coordination Fee(L)		·····					0	
Grand Total				6 700	11.071	13,743	32,002	

ł

H) REHABILITATION OF RADI	O SYUDIO(R	RI)			(UNIT:MILLI	on RP)	
	1989	1998	1991	1992	1993	1994	TOTAL	
1) Land Acquisition(L)						1	0	
Building/Structure(L)					200	200	400	
					N		0	
	* • 							1.00
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	0	0	0	0			***************************************	
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Grand Iotal	Ų	<u>v</u>		<u>v</u>	41200	47210	01302	
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8	· ·							
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			•.					
		· .						
	1) Land Acquisition(L)	1989 1) Land Acquisition(L) 2) Building/Structure(L) 3) Construction Cost(L) 4) Facilty/Equipment(F) 5) Construction Cost(F) 5) Construction Cost(F) 5) Consulting Fee(F) 7) Contingencies(F) TOTAL 0 8) Coordination Fee(L)	1) Land Acquisition(L) 2) Building/Structure(L) 3) Construction Cost(L) 4) Facilty/Equipment(F) 5) Construction Cost(F) Sub-Total 0 0 6) Consulting Fee(F) 7) Contingencies(F) TOTAL 0 0 8) Coordination Fee(L)	1989199019911) Land Acquisition(L)1989199019912) Building/Structure(L)3) Construction Cost(L)4) Facilty/Equipment(F)5) Construction Cost(F)5) Construction Cost(F)5) Sub-Total006) Consulting Fee(F)7) Contingencies(F)TOTAL008) Coordination Fee(L)	1989 1991 1992 1) Land Acquisition(L) 2) Building/Structure(L) 3) Construction Cost(L) 3) Construction Cost(L) 4) Facilty/Equipment(F) 5) Construction Cost(F) 5) Construction Cost(F) 0 0 0 6) Consulting Fee(F) 7) Contingencies(F) 0 0 0 8) Coordination Fee(L) 0 0 0 0	1989 1990 1991 1992 1993 1) Land Acquisition(L) 200 200 200 3) 200	1989 1990 1991 1992 1993 1994 1) Land Acquisition(L) 200 200 200 200 2) Building/Structure(L) 200 200 200 30 3) Construction Cost(L) 2,902 2,753 5) Construction Cost(F) 744 744 4) Facilty/Equipment(F) 2,902 2,753 5) Construction Cost(F) 744 744 Sub-Total 0 0 0 3,846 3,697 6) Consulting Fee(F) 156 248 256 7) Contingencies(F) 248 256 4,180 8) Coordination Fee(L) 36 36	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$

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[TABLE:8-7-2] (RRI.TVRI AND EC) INVESTMENT COST FOR SHORT TERM PLAN

A) REHABILITATION OF 8 HP	RADIO STAT	ION(RRI)		· · · ·		· · · · ·	1. A. 1. 1.	(UNIT: NILLIO	(RP.)	
	JAKARTA	SEMARAG	MEDAN	SURABAYA	U. PANDANG	PEKANBARU	PALEMBANG	BANJARMASIN	TOTAL	
1) Land Acquisition(L)				. 0	Û	.0	() 0	. 0	
2) Building/Structure(L)				0		Q	6) 0	0	
3) Construction Cost(L)				· · · 0	0	0	, l	0	0	
 Facility/Equipment(F) 	3,819	744	1.091	1,104 -	1,104	967	980) 967	10,775	
5) Construction Cost(F)	1,252	1,252	1.252	1,252	1,252	1 252	1,252	1,252	10:016	
Sub-Total	5,071	1,996	2,343	2,356	2,356	2,219	2,232		20,791	· · · · · · · · · · · · · · · · · · ·
6) Consulting Fee(F)	265	104	122	123	123	115	116	i 116	1,084	
7) Contingencies(F)	361	137	161	161	161	161	161	161	1,464	
TOTAL	5,697	2,237	21626	2,640	2,640	2:495	2,509	2,509	23,351	
8) Coordination Fee(L)	18	18	18	18	18	18	- 18	18	144	·
Grand Total	5,715	2,255	2,644	2,658	2,658	2,513	2,527	2,527	23,495	·····•••••••••••••••••••••••••••••••••

B) REHABILITATION OF 5 TV STATIONS(TVRI)	(UNIT: MILLION RP.)
NEDAN U.PANDAG GN.MENGKOL	CH. TAJAM CN. MUNCUNG TOTAL

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		4.1			1.1.1	 E. (1) 		
C) MAINTENANCE BASES(EC)						(UNIT: MILLION RP.)	Elstra Atlanta	
	JAKARTA	MEDAN	U.PANDANG	RRI 18	TVRL STUDIO 17	TVRE TX 9	TOTAL	
1) Land Acquisition(L)		. ,					0	
2) Building/Structure(L)	1,060	190	- 45	•	1. S.		1,295	
3) Construction Cost(L)					· · · ·		0	
 Facility/Equipment(F) 	10,490	1,978	1.978	1,141	3+162	335	19,084	
5) Construction Cost(F)	186	105	105				397	
Sub-Total	11,736	2,273	2,128	1,141	3,162		20,775	•
6) Consulting Fee(F)	603	117	. 110	- 59	163	17	1+068	
7) Contingencies(F)	744	149	149	. 74	223	25	1,364	
TOTAL	13,083	2,539	2,387	1.274	3,548	377	23,208	· .
8) Coordination FeelL)	0	0	0	0	0	0	· 0	·
Grand Total	13,083	2,539	2:387	1,274	3,548	377	23,208	······

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Т	VRI 48 M	EDAN SU	RABAYA	TOTAL	
1) Land Acquisition(L)	1.			0	
2) Building/Structure(L)			- 1	0	
5) Construction Cost(L)	+11			0	
) Facility/Equipment(F)	1+607	33	- 33	1.674	
i) Construction Cost(F)	298	· O	0	298	
Sub-Total	1,905	33	33	1,972	
5) Consulting Fee(F)	98	2	2.	101	
1) Contingencies(F)	124	0	0	124	
TOTAL	2,127	35	35	2,197	
3) Coordination Fee(L)	96	Û	0	96	
Grand Total	2,223	35	35	2,293	
and the second second					

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E) TV UP-LINK(TVRI)		UNIT: MILLIO	DN RP.)		
	MEDAN	SURABAYA	TOTAL		
1) Land Acquisition(L)			0		
2) Building/Structure(L)		1.1	. 0		
3) Construction Cost(L)			0		
4) Facilty/Equipment(F)	2:083	2:083	4,166		
5) Construction Cost(F)	37	37	74		
Sub-Total	2,120	2,120	4.241		
6) Consulting Fee(F)	114	114	228		
7) Contingencies(F)	149	149	298		·
TOTAL	2,383	2,383	4,766		
8) Coordination Fee(L)	2	2	- 4		
Grand Total	2,385	2,385	4,770		
			· · · ·		
	· · · ·			•	
LY DANTO POCCOMME I THE (PP)	n -				

and the second second	•			1. Sec. 1. Sec					
F) RADIO PROGRAME LINE(R	RIJ		14 - P.		1 N.	((WIT: MILLION RP.)	- 12 <u>- 1</u> 2	
1.2.1.1.1.A.2.1.1.1.1.1.1.1.1.1.1.1.1.1.	CIBINONG	RRI 40	U.PANDANG	MEDAN	8IAX	RRI 5 RA	I JAT-CIBINONG	TOTAL	
1) Land Acquisition(L)							· · · ·	Û	
2) Building/Structure(L)	÷ .		· ·					0	
3) Construction Cost(L)			· · ·					0	
4) Facilty/Equipment(F)	1,612	3,323	83	83	83	415	1,240	6,840	
5) Construction Cost(F)	310	248	6	10	6	50	248	878	
Sub-Total	1,922	3,571	89	93	89	465	1,488	7,718	
6) Consulting Fee(F)	58	182	5	5	5	24	76	394	
7) Contingencies(f)	124	248	. 12	12	12			533	
TOTAL	2,144	4:002	106	110	106	- 514	1,663	8,645	
8) Coordination Fee(L)	48	80	2	2	2	10	48	192	
Grand Total	2,192	4,082	108	112	108	524	1.71i	8,837	

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MW TX TO SW STATIONS	(RRI)				· (t	NIT:MILLION R	:
	PALANGKARAYA	BUKITINGGI	TERNATE	FAK-FAK	SORONG	TOTAL	
Land Acquisition(L)	1,000	1,150	600	1,000	1,000	4,750	· ·
Building/Structure(L)	137	86		319	211	753	1.11
Construction Cost(L)						0	
Facilty/Equipment(F)	3,484	3,323	3,484	3,757	3,745	17,793	5.1
Construction Cost(F)	1,116	1,116	1,116	15116	1,116	5,580	
Sub-Total	5,737	5,675	5,200	61 192	6,072	28,876	
Consulting Fee(F)	303	300	275	327	321	1,526	
Contingencies(F)	310	310	335	335	310	1,600.	
TOTAL	6,350	6,285	5,810	6,854	6,703	32,002	
Coordination Fee(L)						0	
Grand Total	6,350	6,285	5,810	6,854	6,703	32,002	

H) REHABILITATION OF RAD	IO SYUDIO(RRI)		11. ¹ 1.	UNIT:MILLION RP.)
	BUKITINGGI	TERNATE	FAK-FAK	SORONG	TOTAL	·
 Land Acquisition(L) Building/Structure(L) 	100	100	100	100	0 400	
 Construction Cost(L) Facilty/Equipment(F) 	1,451	1,451 372	1,228 372	1,525	U 5:654 1:488	· · ·
5) Construction Cost(F) Sub-Total	1,923	1,923	1,700 91	1,997 107	7,542	
6) Consulting Fee(F)7) Contingencies(F)	103 124	103	124	124	484 8,430	
TOTAL 8) Coordination Fee(L)	2,150 18	2,137 18	1,915	2,228	72	
Grand Total	2,168	2,155	1,933	2,246	8,502	

PROVINCE	ECON	OMIC BENEF	LI GF										
2	EACH (1989) (000,000)	PROVINCES (1990) (000,000) ((1991) (000,000)	(1992) (000,000)	(1993) (000,000)	(1994)	(1995) (000,000)	(000,000)	(000,000)	(1998) (000,000)	(1999) (000,000)	(2000)	· · ·
DI ACEH	<u>13</u>	13	128	130	<u>13</u>	135		139	142	1 44	741	150	
VORTH SUMATERA	699	680	651	662	673	789		202	120	732	145	159	
JEST SUMATERA	206	209	200	203	207	210		217	122	225	52	233	
IAU	192	<u>5</u>	187	190	193	196	200	203	206	210	214	218	
AMBI	Ξ	112	108	109	E	113		117	119	121	123	<u>5</u>	
SOUTH SUMATERA	367	372	357	363	369	375		387	394	401	408	416	
BENGKULU	32	62	22	12	82	52		82	83	85	. 98	88	
LAMPUNG	213	217	208	211	214	218		922	229	233	238	242	
DKI JAKARTA	2,458	2,497	2,392	2,431	2,471	2,512		2,598	2,643	2,689	2,737	2,786	
HEST JAVA	1,965	1,996	1,913	1,943	1,975	2,008		2,077	2,113	2,150	2,188	2,228	
CENTRAL JAVA	1,348	1,370	1,312	1,333	1,355	1,378		1,425	1,450	1,475	1,501	1,528	
DI JOGYAKARTA	210	213	204	207	211	214		221	52	229	233	237	
EAST JAVA	1,736	1,764	1,690	1,717	1,745	1174		1,835	1,867	1,900	1,933	1,968	
BALI	204	207	198	201	205	208		215	219	52	227.	231	
WEST NUSA TENGGARA	8	<u>8</u>	2	<u>6</u> 2	ន	81		33	8 8	<u>ت</u> ع	68	6	
AST NUSA TENGGARA	5	5	64	05	ŝ	23		33	ts ا	5	3 2 1	27	
EAST TIMOR	•0	¢	<i>\$</i>	\$	¢	Ŷ		¢	. 0	9	6	~	
JEST KALIMANTAN	120	<u>2</u>	117	119	121	123		121	129	132	134	136	
ENTRAL KALIMANTAN	Ъ.	5	53	2	33	32		5	ß	ទ្ធ	60	62	
SOUTH KALIMANTAN	248	252	242	246	250	254		262	267	272	276	281	
EAST KALIMANTAN	190	193	185	188	191	194		201	204	208	212	216	
NDRTH SULAWESI	83	5	87	83	8	5		2	8	8	8	101	
CENTRAL SULAWESI	27	82	8	27	27	82		52	83	30	30	23	
SOUTH SULANESI	310	315	302	307	312	317		328	334	340	346	352	
SOUTHEAST SULAWEST		23	ß	32	22	21		\$	69	62	63	\$	
MALUKU	- 16 - 16	87	83	35	86	87		96 06	22	93	95	26	
RIAN JAYA	5 4	¢2	43	71	45	46		24	48	49	20	5	
							******					Contraction and the second	

ECONOMIC BENEFIT OF EACH PROVINCE FOR SHORT TERM PLAN (NEW PROPOSED PROJECT)

[TABLE:8-7-3]

(TABLE:8-7-4)

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PROJECTED CASH FLOW FOR ECONOMIC ANALYSIS OF SHORT TERM PLAN IN BOADCAST SECTER (REHABLITATION OF 8 HP RADIO STSTIONS) (PROJECT A . RRI)

					(UNIT:MILL	ION RP.)	
	Incremental Economic	Investment (FC)	(LC)	Incremental Economic	Total Economic	Net	• • •
Year	Benefit	Cost	Cost	Cost	Cost	Benefit	
1988	0.	Q	0	0	0	U	
1989	0	0	· · · · 0	0	0	U	
1990	Q	. 0	· 0	0	: 0		
1991	0 O	0	0	0	0	0	
1992	0.	7,918	35	0	7,953	-7,953	· · ·
1993	7:367	7,826	52	585	8:463	-1,096	
1994	7,489	7,606	52	585	8,243	-753	
1995	7,616	́. О.	0	585	585	7:031	
1996	7,746	0	- 0	585	585	7,161	a a star i s
1997	7,880	0	0	585	585	7,295	
1998	8,018	0	0	585	585	7,433	
1999	8,161			585	585	7,576	
2000	8,308			585	585	7,723	
2001	8,459			585	585	7,874	
2002	8.616			585	585	8,031	
2003	8,777		A	585	585	8,192	
2004	8,943	••••		585	585	8,358	
2005	9,114	·		585	585	8,529	
2005	9,290	ere te la com		585	585	8,705	5.
2007	9,472	1	1997 - A.	585	585	8,887	1.1
2007	9,660			585	585	9,075	- 14
2008	9,853	•••••		585	585	9,268	
	144,769	23,350	138		33,433	111,336	
TOTAL	1443107	231330	1.30		001100		

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40.61%

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PROJECTED CASH FLOW FOR ECONOMIC ANALYSIS OF SHORT TERM PLAN IN BOADCAST SECTER (REHABLITATION OF 5 TV STATIONS) (PROJECT B. TVRI)

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Incremental Investment Incremental Total Net Economic (FC) (LC) Economic Economic 1988 0 0 0 0 0 0 1989 0 0 0 0 0 0 0 1990 0 0 0 0 0 0 0 1991 0 0 0 0 0 0 0 1992 0 819 17 0 836 -836 1993 1,915 618 17 911 1,546 369 1994 1,947 2,890 53 911 3.854 -1,907 1995 1,980 0 0 911 911 1,102 1997 2.048 0 0 911 911 1,173 1999 2.121 911 911 1,173 1999 2.084 0 911 911 <t< th=""><th></th><th></th><th></th><th></th><th>•••••••••••••••••••••••••••••••••••••••</th><th>(UNIT:MILL</th><th></th><th>••••••</th></t<>					•••••••••••••••••••••••••••••••••••••••	(UNIT:MILL		••••••
YearBenefitCostCostCostCostBenefit1988000000019890000001990000000199100000019920819170836-83619931.915618179111.54636919941.9472.890539113.854-1.90719951.980009119111.06219962.013009119111.16219972.048009119111.17319982.084009119111.17319992.1219119111.24820002.1599119111.28820022.2399119111.32820042.3249119111.41320052.3699119111.45820062.4159119111.55120082.5119119111.60020092.5619119111.650		Incremental			Incremental	Total	Net	
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1998 2.084 0 0 911 911 1.173 1999 2.121 911 911 911 1.210 2000 2.159 911 911 1.210 2001 2.159 911 911 1.248 2002 2.239 911 911 1.328 2003 2.281 911 911 1.370 2004 2.324 911 911 1.413 2005 2.369 911 911 1.458 2006 2.415 911 911 1.551 2008 2.511 911 911 1.551 2009 2.561 911 911 1.650				-				
1999 2,121 911 911 1,210 2000 2,159 911 911 1,248 2001 2,199 911 911 1,288 2002 2,239 911 911 1,328 2003 2,281 911 911 1,370 2004 2,324 911 911 1,413 2005 2,369 911 911 1,458 2006 2,415 911 911 1,504 2007 2,462 911 911 1,551 2008 2,511 911 911 1,600 2009 2,561 911 911 1,650			-	0				
2000 2,159 911 911 1,248 2001 2,199 911 911 1,288 2002 2,239 911 911 1,328 2003 2,281 911 911 1,370 2004 2,324 911 911 1,413 2005 2,369 911 911 1,458 2006 2,415 911 911 1,504 2007 2,462 911 911 1,551 2008 2,511 911 911 1,600 2009 2,561 911 911 1,650								
2001 2,199 911 911 1,288 2002 2,239 911 911 1,328 2003 2,281 911 911 1,370 2004 2,324 911 911 1,413 2005 2,369 911 911 1,458 2006 2,415 911 911 1,504 2007 2,462 911 911 1,551 2008 2,511 911 911 1,600 2009 2,561 911 911 1,650								
2002 2,239 911 911 1,328 2003 2,281 911 911 1,370 2004 2,324 911 911 1,413 2005 2,369 911 911 1,458 2006 2,415 911 911 1,504 2007 2,462 911 911 1,551 2008 2,511 911 911 1,600 2009 2,561 911 911 1,650								
2003 2,281 911 911 1,370 2004 2,324 911 911 1,413 2005 2,369 911 911 1,458 2006 2,415 911 911 1,504 2007 2,462 911 911 1,551 2008 2,511 911 911 1,600 2009 2,561 911 911 1,650			÷					
2004 2,324 911 911 1,413 2005 2,369 911 911 1,458 2006 2,415 911 911 1,504 2007 2,462 911 911 1,551 2008 2,511 911 911 1,600 2009 2,561 911 911 1,650								
2005 2,369 911 911 1,458 2006 2,415 911 911 1,504 2007 2,462 911 911 1,551 2008 2,511 911 911 1,600 2009 2,561 911 911 1,650	2003	2,281			911		1,370	
2006 2,415 911 911 1,504 2007 2,462 911 911 1,551 2008 2,511 911 911 1,600 2009 2,561 911 911 1,650	2004	2,324			911	911	1,413	
2007 2,462 911 911 1,551 2008 2,511 911 911 1,600 2009 2,561 911 911 1,650	2005	2,369						
2008 2,511 911 911 1,600 2009 2,561 911 911 1,650	2006	2,415			911	911	1,504	
2009 2,561 911 911 1,650	2007	2,462	1 - E - E - E - E - E - E - E - E - E -		911	911	1,551	
	2008	2 511			911	-911	1:600	[.]
TOTAL 37,629 4,327 87 15,487 19,901 17,728	2009	2,561			911	911	1,650	
		37,629	4,327	87	15,487	19,901	17,728	

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[TABLE:8-7-6]

PROJECTED CASH FLOW FOR ECONOMIC ANALYSIS OF SHORT TERM PLAN IN BOADCAST SECTER (MAINTENANCE BASES) (PROJECT C. EC)

			a gales	, i en te	(UNIT:MILL	ION RP.)	
	Incremental Economic	Investment (FC)	Investment (LC)	Incremental Economic	Total Economic	Net	
Year	Benefit	Cost	Cost	Cost	Cost	Benefit	
1988	0	Û	0	. 0	0	0	
1989	0	. 0	0	0	. 0	0	
1990	. 0	. 0	. 0	0	0	0	
1991	0	0	· 0	0	0	0	
1992	0	12,001	1,018	0	13,019	-13,019	
1993	5,066	4,642	226	2,988	7,856	-2,790	
1994	5,150	5,270	0	2,996	8,266	-3,116	
1995	5,237	9	0	3,005	3,005	2,232	
1996	5,326	0	0	3,014	3,014	2,312	
1997	5,418	. 0	0	3,022	3,022	2,396	* · · ·
1998	5,513	. 0	0	3,032	3,032	2,481	
1999	5.611			3,041	3:041	2,570	1
2000	5,713			3,051	3,051	2,602	i e e e e e e e e e e e e e e e e e e e
2001	5,817			3,061	3,061	2,756	
2002	5,924			3,071	3,071	2,853	· · · ·
2003	6.035			3,082	3,082	2,953	
2004	6,149			3,093	3,093	3+056	
2005	6,267			3,104	3,104	3,163	
2006	6,388			3,116	3,116	3,272	
2007	6,513	111		3,128	3,128	3,385	
2008	6,642			3,140	3,140	3,502	
2009	6,775	••••••	·········	3,153	3,153	3,622	
TOTAL	99,543	21,913	1,243		75,253	24,290	

EIRR

9.21%

LTABLE:8-7-73

PROJECTED CASH FLOW FOR ECONOMIC ANALYSIS OF SHORT TERM PLAN IN BOADCAST SECTER (ENGINEERING COMMUNICATION NET WORK) (PROJECT D. TVRI)

	Incremental	Investment	Investment	Incremental	Total	Net	
	Economic	. (FC)	(LC)	Economic	Economic		
Year	Benefit	Cost	Cost	Cost	Cost	Benefit	
1988	0	0	Q	0	. 0	0	
1989	. 0	0	· 0	. 0	0	0	
1990	· 0	· D	. 0	0	Ð	Ð	
1991	. 0	0	0	0	Ŭ.	0	
1992	0	2 131	92	0	2,223	-2,223	
1993	835	- 33	0	496	529	306	
1994	849	- 33	0	496	529	320	
1995	863	· · · 0	0	496	496	367	
1996	878	0	0	496	496	382	
1997	893	0	0	496	496	397	
1998	909	0	0	496	496	413	
1999	925			496	496	429	
2000	942			496	496	446	
2001	959			496	496	463	
2002	976			496	496	480	
2003	995			496	496	499	
2004	1,013	- • • • • • • • • • •		496	496	517	
2005	1,033			496	496	537	
2006	1,053	1 A. A.		496	496	557	
2007	1,073			496	496	577	
2008	1,095			496	496	599	
2009	1,117			496	496	621	
TOTAL	16,407	2,197	92	8,432	10,721	5,686	

EIRR

16.79%

- 233 -

[TABLE:8-7-8]

PROJECTED CASH FLOW FOR ECONOMIC ANALYSIS OF SHORT TERM PLAN IN BOADCAST SECTER (TV UP-LINK) (PROJECT E. TVRI)

	÷ 2 ÷	ан сайтан. Ал	•		(UNIT:MILL	TON DD)	
	Incremental	Investment (FC)	Investment (LC)	Incremental Economic	***************	Net	
Year	Economic Benefit	Cost	Cost	Cost	Cost	Benefit	
1988	0	0	Ó	0	. 0	11 O	
1989	0	G	Q	0	0	0	
1990	. 0	Q	Ó	0	0	0	
1991	- 0	0	. 0	. 0	. 0	. 0	1.1
1992	0	0	9	0	0	0	
1993		2,355	2	0	2,357	-2:357	
1994	492	2,410	2	51	2,463	-1,971	
1995	500	0	Ú.		51	449	
1996	508	0	Ó	51	51	457	· · · ·
1997	517	Ó	. 0	51	Š1	466	
1998	526	Ó	. 0	51		475	
1999	536			51	51	485	
2000	545			51	51	494 -	
2001	555	-		51	51	504	
2002	566			51	51	515	
2003	576			51	51	525	
2004	587		• • • • • • • • •	51	51	536	
2005	598			51	51	547	a di se
2005	610			51	51	559	
2007	622	, it je		51	51	571	
2007	634			51	51	583	
2008	647		• • • • • • • • • •		51	596	
TOTAL	9,020	4,765	4	816	5,585	3,435	
				EIRR		7.32%	

- 234 -

PROJECTED CASH FLOW FOR ECONOMIC ANALYSIS OF SHORT TERM PLAN IN BOADCAST SECTER (RADIO PROGRAMME LINE) (PROJECT F. RRI) [TABLE:8-7-9]

	la di	· · · · · · · ·		· · ·	(UNIT:MILL	ION RP.)	
	Incremental	Investment	Investment	Incremental	Total	Net	
1.4	Economic	(FC)	(LC)	Economic	Economic		
Үеаг	Benefit	Cost	Cost	Cost	Cost	Benefit	
1988	0	· · 0	0	. 0	Q	0	
1989	0	0	0	0	0	0	
1990	0	0	0	0	0	0	
1991	0	0	0	0	Q	0	
1992	. 0	8,645	184	0	8,829	-8,829	
1993	930	0				847	
1994	946	-0	0	83	83	863	
1995	962	• . 0	0	83	83	879	
1996	978	0	C	83	83	895	
1997	995	0	0	83	83	912	
1998	1.013	0	0	83	. 83	930	
1999	1.031			83	83	948	
2000	1.049			83	83	966	
2001	1,068			83	83	985	
2002	1,088			83	83	1,005	
2003	1,108			83		1,025	
2004	1,129			83	83	1,046	
2005	1,151			- 83	83	1,068	
2006	1,173	e e f		83	83	1,090	
2007	1 196			83	83	1,113	
2008	1 220			83		1:137	
2009	1.244			83	83	1,161	
TOTAL	18,282	8,645	184	1,411	10,240	8,042	
		•		EIRR		7.85%	

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PROJECTED CASH FLOW FOR ECONOMIC ANALYSIS OF SHORT TERM PLAN IN BUADCAST SECTER (MW TX TO SW STATION) (PROJECT G. RRI) (TABLE:8-7-10)

					(UNIT:MILL	ION RP.)	
	Incremental	Investment	Investment	Incremental		Net	
	Economic	(FC)	(LC)	Economic	Economic		
Year	Benefit	Cost	Cost	Cost	Cost	Benefit	
1988	0	0	0	0	0	0	
1989	0	0	. · D	Q	- 0	6	
1990	· 0	. Q	- 0	0	0	U	
1991	• • • • • •	0	0	C C	0	0	
1992	0	5,291	1.092	Û	6,383	-6:383	1. State 1.
1993	614	10,095		804	12.278	-11,663	
1994	624	11,213	2,429	804	14 446	-13-821	
1995	635	. 0	Û	804	804	-169	
1996	646	· 0	Q	804	804	~158	
1997	657	0	0	804		-147	
1998	669	Q	0	804	804	-135	
1999	680			804	804	-124	
2000	693			804	804	111	
2001	705			804	804	-99	
2002	718			804	804	-86	
2003	732			804	804	-72	
2004	746			804	804	-58	
2005	760			804	804	-44	
2006	775	,		804	804	-29	
2007	790			804	804	-14	
2008	805			804	804		
2009	822			804	804	18	
TOTAL	12.071	26,599	4,899	13,668	45,166	-33,095	
	· · ·			EIRR	1997 - 1997 1997 - 1997 - 1997 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1	-47.93%	

- 236 -

CTABLE:8-7-11]

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PROJECTED CASH FLOW FOR ECONOMIC ANALYSIS OF SHORT TERM PLAN IN BOADCAST SECTER (REHABILITATION OF RADIO STADIO) (PROJECT H. RRI)

					(UNIT:NILL	ION RP.)	
	Incremental	Investment	Investment	Incremental	Total	Net	
	Economic	(FC)	(LC)	Economic	Economic		
Year	Benefit	Cost	Cost	Cost	Cost	Benefit	
1988	0	0	0	0	Û	0	
1989	0	. 0	0	0	0	0	
1990	0	0	0	0	0	0	
1991	0	0	0	· O	0	0	
1992	0	0	0	0	0	0	
1993	0	4,050		Q.	4.277	4,277	
1994	430	3,980	227	-75	4,282	-3,851	
1995	437	· · · 0	Ú	75	75	362	
1996	445	0	0	75	75	370	
1997	453	0	Û	75	75	378	
1998	461	0	<u>, , , , , , , , , , , , , , , , , , , </u>			386	
1999	469			75	75	394	
2000	477			75	75	402	
2001	486			75	75	411	
2002	495	1.1.1		75	75	420	
2003	504			75		429	
2004	514			75	75	439	
2005	523	· · ·		75	75	448	
2006	534			75	75	459	· ·
2007	544			75	- 75	469	
2008	555						
2009	566			75	75	491	
TOTAL	7,892	8,030	453	1,200	91683	-1,791	
		1 - A		EIRR		-2.68%	

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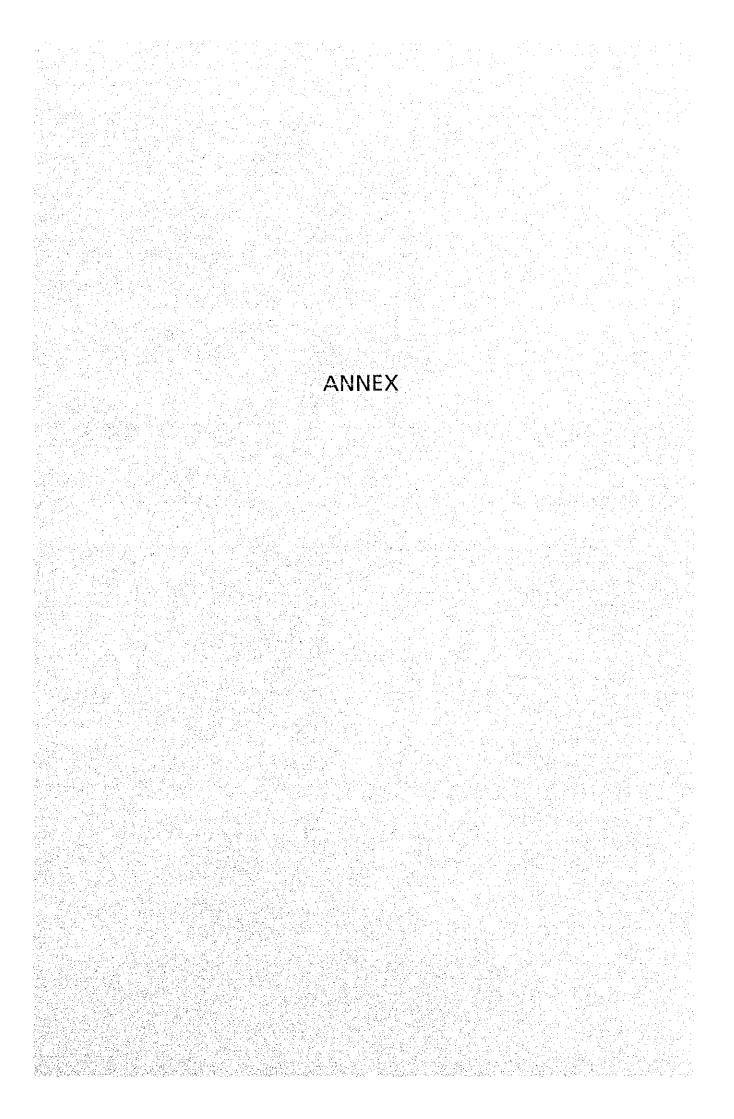
[TABLE:8-7-12]

PROJECTED CASH FLOW FOR ECONOMIC ANALYSIS OF SHORT TERM PLAN IN BOADCAST SECTER (TOTAL NEW PROPOSED PROJECT)

			1.1		/10179-11TI		
					(UNIT:MILL	**************	
	Incremental			Incremental	Total	Net	
	Economic	(FC)	(LC)	Economic	Economic		
Year	Benefit	Cost	Cost	Cost	Cost	Benefit	
1988	0	0	0	0	0	0	
1989	0	.0	· . 0	. 0	0	U	
1990	0		- <u> </u>	0	0	. 0 .	÷
1991	0	0	. 0	· · 0	0	0	
1992	0	36,805	2:437	0	39,242	-39,242	
1993	16,727	29,619	1,902	51867	37,388	-20,661	
1994	17,927	33,402	2,762	6,001	42,165	-24,238	,
1995	18,229	0	• 0	6,010	6:010	12,219	6 - 1 - 1
1996	18,540	. 0	0	6.019	6,019	12,521	
1997	18,862	0	0	6.027	6,027	12,835	
1998	19,193	0	. 0	6.037	6,037	13,156	
1999	19,534	Ó	Q	6,046	6,046	13,488	
2000	19,886	0	0	6,056	6,056	13,830	
2001	20,249		0	6,066	6,066	14,183	
2002	20,623	0	. 0	6,076	6,076	14,547	
2003	21,008		0	6.087	6,087	14,921	
2004	21,405	0	0	6 098	6,098	15,307	
2005	21-815	0	0	6 109	6,109	15,706	
2006	22,237	0	0	6,121	6.121	16,116	2000 - 100 -
2007	22,673	0	0	6,133	6,133	16,540	
2008	23 122	0	· · . 0	6,145	6,145	16,977	
2009	23,584	·····	· · · · · · · · · · · · · · · · · · ·	6,158	6,158	17,426	
TOTAL	345,613	99,826	7,101	103,056	209,983	135,630	

EIRR

11.72%



MINUTES OF MEETINGS

FOR

INCEPTION REPORT

ON

THE STUDY

ON

INTEGRATED RADIO AND TELEVISION SERVICING SYSTEM PROJECT

IN

THE REPUBLIC OF INDONESIA

Jakarta, Indonesia 22nd April, 1989

Mr. Hiroo SUZUKI Leader, JICA Study Team

Mr. Ir. NURHADI SUBROTO Secretary, Directorate General of Radio-Television-Film Department of Information

The meetings were held from 18th April to 21st April, 1989, between Directorate General of Radio, Television and Film (hereinafter referred to as "RTF"), Department of Information (hereinafter referred to as "DEPPEN") and the JICA Study Team (hereinafter referred to as "the Team"), on the draft of Inception Report on the Study on Integrated Radio and Television Indonesia System Project in the Republic of Servicing (hereinafter referred to as "the Study").

Mr. Drs. Alex Leo Zulkarnain, Director General of RTF, expressed his warm welcom to the Team who were sent to Indonesia in response to the request of the Government of Indonesia, and explained the background of the Study and specially requested the Team to plan the most suitable broadcasting system for Indonesia taking account into the present situation.

The Team explained the draft of Inception Report and submitted Questionnaire and Data File with the request of good cooperation of Indonesian side.

As a result of a series of discussions, the draft of Inception Report attached herewith was accepted in principle by both parties with the following minor revisions:

- "more than 40 Non-RRI stations" on the second line on Page 13 shall read for "38 Non-RRI stations"
- 2) Indicated lines for PHASE in Tables on page 30 and 31 shall be corrected.

According to the request of the Team, DEPPEN has appointed counterparts as shown in the Attached Sheet-1.

The list of attendants for the meetings is also shown in the Attached Sheet-2.

HS a.

Counterparts List

Mr. A. F. SIEMEN (RTF) Mr. JOHN POLHAUPESSY (RTF) Mr. WIDAYAT JOKO SANTÓSO (Engineering Centre) (Engineering Centre) Mr. B. BAKRI (Engineering Centre) Mr. SUNARYA R. Mr. ALIMIN LEO (Engineering Centre) (Engineering Centre) Mr. SUPARTO Mr. SUNENDRA (RRI) Mrs. UTIEK RUKTININGSIH (RRI) Mr. SURYANTA SALEH (RRI) Mr. CHAIRUL ZEN (RRI) Mr. F. SUKARNO (RRI) Mr. BAMBANG PUJIARTO (RRI) Mr. TONI RINADI (RRI) Mr. ROSITO SADA (RRI) Mr. DARSO (TVRI) Mrs. SUPRAPTI (TÝRI) Mr. SOEWANTO SOEWANDI (TVRI) Mr. ALBERT MISSY (TVRI)

4.8 -

Attached Sheet-2

Attendants List

RTF

Mr. Drs. ALEX LEO ZULKARNAIN Mr. Ir. NURHADI SUBROTO Mr. A. F. SIEMEN Mr. JOHN POLHAUPESSY Mr. WIDAYAT JOKO SANTOSO Mr. B. BAKRI Mr. SUNARYA R. Mr. ALIMIN LEO Mr. SUMARTONO

RRI

Mr.	ARSYAD SUBIK
Mr.	SUNENDRA
Mrs	. UTIEK RUKTININGSIH
Mr.	SURYANTA SALEH
Mr.	CHAIRUL ZEN
Mr.	F. SUKARNO
Mr.	BAMBANG PUJIARTO
Mr.	TONI RINADI
Mr.	ROSITO SADA

Director General Secretary Staff Planning & Report Section Engineering Centre Engineering Centre Engineering Centre Engineering Centre Expert

Director Head of Technical Development Head of News Department Head of Programme Head of Programme Development Head of Programme Planning Technical Staff Technical Staff Head of Studio Technic Section

TVRI

Mr.	ISHADI
Mr.	DARSO
Mr.	SOEWANTO SOEWANDI
Mr.	ALBERT MISSY

Director

Head of Studio Technic Section Head of Programme Planning Programmer

48.00

MINUTES OF THE MEETINGS

FOR

PROGRESS REPORT

ON -

THE STUDY

ON

INTEGRATED RADIO AND TELEVISION SERVICING SYSTEM PROJECT

IN

THE REPUBLIC OF INDONESIA

JAKARTA, INDONESIA 7th June, 1989

Mr. Hiroo SUZUKI Leader JICA Study Team

Mr. Ir. NURHADI SUBROTO

Secretary, Directorate General of Radio-Television-Film Department of Information

MINUTES OF MEETING

The JICA Study Team (hereinafter called "the Team") on the Study of Integrated Radio and Television Servicing System Project in the Republic of Indonesia has conducted the Study from 18th April to 8th June, 1989 in Jakarta and 14 regional cities and prepared the Progress Report on the basis of the Minutes of Meeting dated 22nd April, 1989 and the Inception Report.

- 1. The meetings were held from 5th through 7th, June, 1989 at the Directorate General of Radio, Television and Film (hereinafter called "RTF") and the Team explained the result of the field surveys and made the presentation of the Progress Report.
- 2. The Team asked RTF for further data and accurate figure indications enough to comprehend the current situations, if particularly on a financial side related to every fiscal year. At the request, RTF agreed that data will be supplied the Team with further as asked and likewise an authorized figure will be indicated to the Team for this Study.
- 3. As a result of a series of the discussions, the Progress Report was accepted in principle, and agreed upon by both parties to prepare an Interim Report in line with the basic concept mutually agreed on, providing that some parts, if any, will be amended after a careful check of the contents of the Progress Report.
- 4. RTF expressed that the Interim Report would be reflected by the most feasible recommendations to be made in consideration of a deviation gap between the existing conditions and ideal goals of Broadcasting in the Republic of Indonesia.

The Team expressed its sincere thanks for the undertakings given to the Team by RTF, and wishes the same cooperation in the time of the Phase-2 Study which is tentatively scheduled in the middle of August, 1989, together with the Advisgry Committee.

MINUTES OF THE MEETINGS

FOR

INTERIM REPORT

ON

THE STUDY

ON

INTEGRATED RADIO AND TELEVISION SERVICING SYSTEM PROJECT

IN

THE REPUBLIC OF INDONESIA

JAKARTA, INDONESIA 8th September, 1989

Mr. HITOO SUZUKI

Leader JICA Study Team - And

Mr. Ir. NURHADI SUBROTO Secretary, Directorate General of Radio - Television - Film Department of Information

MINUTES OF THE MEETINGS

In accordance with the Scope of Work for the Study on the Integrated Radio and Television Servicing System Project in the Republic of Indonesia, the JICA (Japan International Cooperation Agency) Study Team presented 20 copies of the Interim Report to Directorate General of Radio - Television - Film, Department of Information (DEPPEN) on 5th September.

DEPPEN Officials concerned headed by Mr. Ir. NURHADI SUBROTO, Secretary, Directorate General of Radio - Television - Film, DEPPEN, expressed gratitudes to the members of the Japanese mission composed of the JICA Advisory Committee and the Study Team.

The meetings were held on 6th, 7th and 8th September, 1989 in DEPPEN, under friendly atmosphere to explain the details of the Interim Report, and DEPPEN agreed in general to the contents of the Interim Report.

In the discussions, the following items attached hereto are confirmed.

- It was agreed that the Alternative 1 was accepted among three
 (3) Alternatives planned by JICA Study Team.
- It was understood that the condition of Income should be Case
 4 that TV subscription fee and collection rate to be improved as mentioned in the Interim Report page 309.
- It was agreed that any further comment should be studied to be reflected into the Draft Final Report.

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4) It was agreed that the Study Team should conduct the Feasibility Study covering Repelita V and make suggestions covering Repelita VI as to the reviewed long-term plan based on the Alternative 1.

Sez.

ATTENDANTS LIST

RTF Mr. Ir. NURHADI SUBROTO Secretary Chief of Planning Bureau Mr. M. ARIFIN Staff Mr. A. FATAH SIEMEN JICA Expert Mr. MASAO MIGITA Engineering Center Mr. W. JOKO SANTOSO Engineering Center Mr. A. DJAUHARI Engineering Center Mr. SUHAMA Engineering Center Mr. DARMADI Engineering Center Mr. SOEPARTO Engineering Center Mr. M. BARUS Engineering Center Mr. MAULADI Mr. SUMARTONO T. Expert

<u>RRI</u>

Mr.	SOENENI)RA	
Mr.	ROSITO	SADA	

TYEI

Mr.	DARSO
Mr.	MITSUMI HORISHITA
Mr.	HIDEO KAWAKAMI

JICA JAKARTA Office

Mr. KAZUHIRO YONEDA

ADVISORY COMMITTEE

- Mr. NORIO SEKI Mr. HIDETO YUU
- Mr. AKIRA MIZOBUCHI

STUDY TEAM

Mr. HIROO SUZUKI Mr. MASAAKI UEDA Mr. JIRO OHNO Mr. AKIRA NAGASE Mr. KAZUMI INOUE Head of Technical Development Head of Studio Technic Section

Head of Studio Technic JICA Expert JICA Expert

Assistant Resident Representative

Chairman Member Member

Team Leader Member Member Member

Member

MINUTES OF MEETING FOR PROGRESS REPORT (2) ON

THE STUDY

ON

INTEGRATED RADIO AND TELEVISION SERVICING SYSTEM PROJECT

IN

THE REPUBLIC OF INDONESIA

Mr. Hiroo SUZUKI

Leader JICA Study Team JAKARTA, INDONESIA 31st October, 1989

Mr. Ir. NURHADI SUBROTO

Secretary, Directorate General of Radio-Television-Film Department of Information

Minutes of Meetings

The JICA Study Team (hereinafter called "the Team") on the Study of Integrated Radio and Television Servicing System Project in the Republic of Indonesia has conducted the Phase 2 Study from 5th September to 1st November, 1989, in Jakarta and 16 regional cities and prepared the Progress Report (2) on the basis of the Minutes of Meeting dated 8th September, 1989 and the Interim Report, September 1989.

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- 1. The meetings were held from 28th, 30th and 31st October, 1989 at the Directorate General of Radio, Television and Film (hereinafter called "RTF") and the Team explained the result of the Phase 2 Study and made the presentation of the Progress Report (2).
- 2. As a result of a series of the discussions, the Progress Report (2) was accepted in principle and agreed upon by both parties to prepare a Draft Final Report in line with the basic concept mutually agreed on.

The Team expresses its sincere thanks for the undertakings given to the Team by RTF, and wishes further cooperation in the time for the explanation of the Draft Final Report scheduled in the middle of January, 1990, together with the JICA Adivisory Committee.

MINUTES OF MEETING FOR DRAFT FINAL REPORT

ON :

THE STUDY

ON

INTEGRATED RADIO AND TELEVISION SERVICING SYSTEM PROJECT

IN

THE REPUBLIC OF INDONESIA

JAKARTA, INDONESIA 23rd January, 1990

C.S.S.

Mr. Hiroo SUZUKI Leader

JICA Study Team

Mr.Ir.NURHADI SUBROTO Secretary, Directorate General of Radio-Television-Film Department of Information

Minutes of Meeting

The JICA Study Team (hereinafter called "the Team") on the Study of Integrated Radio and Television Servicing System Project in the Republic of Indonesia has explained the Draft Final Report in the presence of the JICA Advisory Committee from 18th January to 23rd January, 1990.

- 1. The meeting were held from 18th, 19th, 22nd and 23rd January, 1990 at the Directorate General of Radio, Television and Film (hereinafter called "RTF"). The Team made a presentation of the Draft Final Report and explained the result of the Study.
- 2. As a result of a series of discussions, the Draft Final Report was accepted in principle and agreed upon by both parties to prepare the Final Report in line with the basic concept mutually agreed on, provided that some parts mentioned below will be amended after a careful check of the contents of the Draft Final Report and, if any, further comment will be given to the Team by RTF until 16th February 1990.
 - 1) Software implementation schedule in Repelita V shall be prepared and compiled in the Final Report.
 - 2) The Team presented up-to-date financial planning in several cases as separate sheets which should be compiled in the Final Report.

The Team expresses its sincere thanks for the undertakings given to the Team by RTF during the study. And RTF expresses its sincere thanks for technical cooperation made by JICA to prepare the long-term and shortterm plans for Intergrated Radio and Television Servicing System in Indonesia.

It is scheduled to prepare the Final Report by the end of March, 1990.

The attendants list of the meetings is shown in the Attached Sheet.

ATTENDANCE LIST

Date of Meeting : 18th January 1990.

Place of Meeting : Directorate General of RTF.

NO.	N A M B	OCCUPATION
1.	Nurhadi Subroto	Secretary to DitGen RTF
2.	Arsyad Subik	RRI
3.	G.A. Subardjo	Engineering Centre RTF
4.	A. Fattah Siemen	RTF
5.	Widayat Djoko Santoso	TVRI
6.	Sutakno	RTF
7.	Rosito Sada	RRI
8.	Bambang P.	RRI
9.	Toni Rinadi	RRI
10.	Muliardi	RRI
11.	Parmadi	Engineering Centre RTF
12.	Hiroo Suzuki	JICA
13.	Masaaki Ueda	JICA
14.	Jiro Ohno	JICA

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G. S

ATTENDANCE LIST

Date of Meeting : 19th January 1990.

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C.

Place of Meeting : Directorate General of RTF.

).	NAME	CCCUPATION !
·	Nurhadi Subroto	Secretary to DitGen RTF
		i becietary to prodon air
•	Arsyad Subik	RRI
1		RTF (Consultant)
• .	Sumartono	i nir (consultant)
. !	A. Fattah Siemen	RTF
:		1 Construction of Construction According to the Construction of Construction and Constructica and Construction and Construction and Constru
•	Suryanta Saleh	RRI
i		1
• •	Syamsul Muin Harahap	
	F. Sukarno	RRI
- ·		
. 1	Utiek Ruktiningsih	RRI
·		
. :	Chaidir Bahar	TVRI (1997) (199
. !	Pramudiono	TVRI
. :	Elbert M. Missy	TVRI
ļ		
•	Kiyoshi Novitake	j i di jiča i je stati na stati strata i stati strata i
	Hiroo Suzuki	JICA
• •	A HILOU OUZUKI	
	Masaaki Ueda	JICA
1		 A second state of the second stat
. !	Jiro Ohno	JICA
- 7	1 1 1 11 2 3 - 4	
. : ;	Hideto Yuu	NHK Japan
. 1	Norio Seki	 Ministry of Post and Telecommu-
		cation, Japan.

ATTENDANCE LIST

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Date of Meeting

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: 22nd January 1990.

Place of Meeting : Directorate General of RTF.

1. Nurhadi Subroto 2. Sumartono	Secretary to DitGen RTF
2. Sumartono	
	RTF (Consultant)
3. A. Fattah Siemen	RTF
4. Widayat Djoko Santoso	TVRI
5. Tomo	RRI
6. Wardi Wahid	TVRI
7. Elbert M. Missy	TVRI
8. Hiroo Suzuki	JICA
9. Masaaki Ueda	JICA
0. Jiro Ohno	JICA
1. Worio Seki	Advisory Committee
2. Hideto Yuu 3. Kiyoshi Noritake	Advisory Committee



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S.y.

Itinerary of the First Phase Study in Indonesia

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	Date		Abstructs				
1	4/17 (MON)	Arrival in Jakarta by GA-873 (Mr. SUZUKI, TAKASHIMA, OHNO, KUROTANI, NAGASE and UEDA)					
2	18 (TUE)	Courtesy call to Embassy of Japan an Meeting at RTF Office (Presentation s	d JICA Office and Explanation of the Inception Repor	()			
3	19 (WED)	Meeting at RTF Office (Presentation a	nd Explanation of the Questionnaire)				
.4	20 (THU)	Visit to RRI (Study on Present Condit	ion of Radio Broadcasting and Faciliti	25)			
5	21 (FRI)	Visit to TVRI (Study on Present Cond Visit to Private Radio and TV Broadc	ition of TV Broadcasting and Facilities asting Centre	s) 			
6	22 (SAT)		Survey and meeting with counterpart	s			
7	23 (SUN)	Discussion within the Study Team Making preparations for the First Site	3 Survey				
	1.11		FIRST SITE SURVEY				
		Survey Group A (Course 1)	Survey Group B (Course 2)	Survey Group C			
		(Mr. KUROTANI and Mr. NAGASE)	(Mr. OHNO and INOUE)	(Mr. SUZUKI, TAKASHIMA,			
				UEDA, NMANABEand HAYASH			
8	24 (MON)	Shift from Jakarta to Medan	Shift from Jakarta to	Visit to BAPPENAS and			
			Ujung Pandang	DEPPEN(Study on Socio-Economic			
				Development Plan in Indonesia an			
				RTF)			
9	25 (TUE)	Sits Survery in Medan Area	Site Survey in Ujung Pandang Area	Meeting at RTF Office(Study on			
•				Broadcasting Programmes)			
			· · · · ·	Arrival in Jakarta by GA-873(Mr.			
-				MANABE and HAYASHI)			
10	26 (WED)	ditto	ditto	Visit to the Ministries concerned			
10	20 (1155)	07530		(Study on the Educational			
•				Programmes)			
	07 (7111)	3764-	dillo				
11	27 (THU)	ditto		Meeting at RTF Office			
12 -	28 (FRI)	Shift from Medan to Pekanbaru	Shift from Ujung Pandang to	Shift from Jakarta to Pekambaru			
		<u>.</u>	Ambon	and join in Survey Group A (Mr.			
			· · · ·	SUZUKI, UEDA and HAYASHI)			
			• •	Shift from Jakarta to Ambon and			
			na an a	join in Survey Group B(Mr.			
				TAKASIIIMA and MANABE)			
13	29 (SAT)	Site Survey in Pekanbaru Area	Site Survey in Ambon Area				
14	30 (SUN)	ditto	ditto				
15	5/1 (MON)	Shift from Pekanbaru to Palembang	Shift from Ambon to Jayapura				
16	2 (TUE)	Site Survey in Palembang Area	Site Survey in Jayapura Area				
17	3 (WED)	ditto	ditto				
18	4 (THU)	Shift from Palembang to Jakarta	Shift from Jayapura to Jakarta				
	5 (FRI)	Meeting at RTF Office (Reporting and	Consultation on the First Site Survey	and Discussion on the Second Site			

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No	o. Date	· · · · · · · · · · · · · · · · · · ·	Abstructs				
20) 5/6 (SAT)	en et tre al en an ar en e	ditto				
21	7 (SUN)	Filing of Collected Data and Discussion	Filing of Collected Data and Discussion within the Study Team				
22	8 (MON)		ditto				
23	9 (TUE)	Meeting at RTF Office					
24	10 (WED)	Meeting at RRI Office and TVRI Offic	ce, Making preparations for the Second	Site Survey			
			SECOND SITE SURVEY				
		Survey Group A (Course 3)	Survey Group B (Course 3)	Survey Group C			
		(Mr. KUROTANI and Mr. NAGASE)	(Mr. OHNO and INOUE)	(Mr. SUZUKI, TAKASHIMA, UEDA, NMANABEand HAYASHI)			
25	11 (THU)	Shift from Jakarta to Banjarmasin	Shift from Jakarta to Surabaya	Meeting at BAPPENAS and RTF Office			
26	12 (FRI)	Site Survey in Banjarmasin Area	Site Survey in Surabaya Area	Meeting at RTF			
27	13 (SAT)	ditto	ditto	ditto			
28	14 (SUN)	Shift from Banjarmasin to	Shift from Surabaya to Kupang	Shift from Jakarta to Kupang and			
		Balikpapan		join in Survey Group B(Mr.			
	s.			SUZUKI, UEDA) Shift from Jakarta to Balikpapan			
				and join in Survey Group A(Mr.			
· .				TAKASHIMA and MANABE)			
29	15 (MON)	Site Survey in Balikpapan Area	Site Survey in Kupang Area	Meeting at RRI Office(Mr. HAYASHI			
30	16 (TUE)	ditto	ditto	Meeitng at RRI Office			
31	17 (WED)	Shift from Balikpapan to Samarinda	Shift from Kupang to Dili	Meeting at DEPPEN Office			
32	18 (THU)	Site Survey in Samarinda Area	Site survey in Dill Area	Meeting at DEPPEN Office			
• 33	19 (FRI)	ditto	ditto	Meeting at RRI and RTF Office			
34	20 (SAT)	Shift from Samarinda to Jakarta (via Balikpapan)	Shift from Dili to Jakarta	Meeting at RRI Office			
35	21 (SUN)	Filing of Collected Data and Discussion	on within the Study Team				
36	22 (MON)	Meeting at RTF Office (Reporting and Survey)	Consultation on the Second Site Surve	y and Discussion on the Third Site			
37	23 (TUE)	Meeting at RTF Office Making preparations for the Third Sil	to Survey				
			THIRD SITE SURVEY				
		Survey Group A (Course 5)	Survey Group B (Course 5)	Survey Group C			
		(Mr. OHNO, UEDA, KUROTANI and MANABE)	(Mr. SUZUKI, NAGASE and HAYASHI)	(Mr. INOUE and TAKASHIMA)			
38	24 (WED)	Shift from Jakarta to Yogyakarta	Shift from Jakarta to Bandung	Departure to Tokyo by GA-874			
h		Site Survey in Yogyakarta Area	Site Survey in Bandung Area				

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	No.	Date	Abstructs
	40	5/26 (FRI)	Shift from Yogyakarta to Jakarta Shift from Bandung to Jakarta
	41	27 (SAT)	Filing of Collected Data
	42	28 (SUN)	ditto
1	43	29 (MON)	ditto
	44	30 (TUE)	Meeting at RTF Office (Study and Consultation on the Long-term Development Plan and the Fifthe 5-year Plan)
	45	31 (WED)	Meeting at RRI Office (Study and Consultation on the Long-term Development Plan and the Fifthe 5-year Plan for Radio Broadcasting)
19 19	46	6/1 (THU)	Meeting at TVRI Office (Study up and Consultation on the Long-term Development Plan and the Fifthe 5-year Plan for TV Broadcasting)
•	47	2 (FRI)	Meeting at RTF Office (Siscussion on the Progress Report)
	48	3 (SAT)	Preparing the Progress Report
	49	4 (SUN)	ditto
	50	5 (MON)	ditto
	51	6 (TUE)	ditto
	52	7 (WED)	Signing of the minutes
· ·	53	8 (THU)	Submission and Explanation of the Progress Report to Embassy of Japan and JICA Office
÷.,	54	9 (FRI)	Departure to Tokyo by GA-874 (Mr. SUZUKI, OHNO, KUROTANI, NAGASE, UEDA, MANABE and HAYASHI)
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ltinerary	of	the	Second	Phase	Study	in	Indonesia
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No.	Date		Abstructs				
1	9/4 (MON)	Arrival in Jakarta (Mr. SEKI, YUU, MIZOGUCHI, SUZUKI, UEDA, OHNO, NAGASE and INOUE)					
2	5 (TUE)	Courtesy call to Entbassy of Japan at	Courtesy call to Embassy of Japan and JICA Jakarta Office, Visit to RRI				
3	6 (WED)	Courtesy call to Director of EC, Meet	ing at RTF Office (Explanation of Inte	rim Report)			
4	7 (THU)	Visit to TVRI, courtesy call to Direct	or of RRI, Meeting at RTF Office (Exp	lanation of Interim Report)			
5	8 (FRI)	Courtesy call to Director of TVRI, Me	eting at RTF Office (Signing of Minute	es of Meeting)			
6	9 (SAT)	Departure for Tokyo (Mr. SEKI, YUU a	nd MIZOGUCHI), Preparation for site s	urvey, Arrival in Jakarta (Mr. HARA			
7	10 (SUN)	Meeting within the Study Team					
8	11 (MON)	Preparation for the Site Survey					
9	12 (TUE)	Site Survey at RRI Cimanggis TX St	ation, Preparation for Site Survey				
10	13 (WED)	Meeting at EC, Study on TVRI spare					
11	14 (THU)	(Mr. NAGASE)	Station, Meeting at RTF Office, Study				
12	15 (FRI)	Visit to Director General of RTF, Mee (Mr. NAGASE)	ting at EC for maintenance system, S	tudy at PERUMTEL, Bandung			
13	16 (SAT)	Preparation for Site Survey, Meeting	at RTF Office (Development Plan)				
14	17 (SUN)	Meeting within the Study Team, Prep	aration for Site Survey				
15	18 (MON)	A Group (Mr. HARA, NAGASE) Shift from Jakarta to Tj. Karang	B Group (Mr. OHNO) Shift from Jakarta to Cirebon	Jakarta (Mr. SUZUKI, UEDA, INOUE) Study on collected data and Information			
16	19 (TUE)	Shift from Tj. Karang to Muaraenim	Shift from Cirebon to Jakarta	Meeting at EC (Maintenance system			
17	20 (WED)	Shift from Muaraenim to Palembang	Survey in Semarang	Visit to PERUMTEL (Palapa Satellite)			
18	21 (THU)	Site Survey in Palembang area	ditto	Meeting at EC (Maintenance syster			
19	22 (FRI)	ditto	ditto (Mr. INOUE joint B Group)	Meeting at RTF (Development Plan Meeting at EC (Maintenance system			
20	23 (SAT)	dilto	Shift from Semarang to Surabaya	Meeting at PERUMTEL			
21	24 (SUN)	Shift from Palembang to Jambi	Survey in Surabaya	Study on collected data and information. Arrival in Jakarta (Mr. MANABE, HAYASHI)			
22	25 (MON)	Shift from Jambi to Padang	ditto	Meeting at RTF (Integration)			
23	26 (TUE)	Site Survey in Bukittinggi area	ditto	Meeting with Sub-director of TVRI			
24	27 (WED)	ditto	Shift from Surabaya to U. Pandang	Meeting with Director General RT			
25	_28 (THU)	Shift from Bukittinggi to Pekanbaru	Survey in U. Pandang (Mr. SUZUKI joint B Group)	Visit to TVRI TC			

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a di R	No.	Date		Abstructs	
	26	9/29 (FRI)	Survey in Pekanbaru area	Survey in Ujung Pandang area	Study on collected data and information
	27	30 (SAT)	ditto (Mr. HARA left for Jakarta)	ditto (Mr. SUZUKI left for Jakarta)	ditto
	28	10/1 (SUN)	Shift from Pekanbaru to Sibolga	ditto	ditto
	29	2 (MON)	Shift from Sibolga to Toba Lake	Shift from U. Pandang to Manado	ditto
	30	3 (TUE)	Shift from Jakarta to Medan	Shift from Manado to Ternate	Visit to RRI TC
	31	4 (WED)	A Group (Mr. HARA, NAGASE) Survey in Medan	B Group (Mr. OHNO, INOUE) Survey in Ternate	Jakarta (Mr. SUZUKI, TAKASHIMA MANABE, HAYASHI) Visit to Ministry of Finance. Arriva in Jakarta (Mr. TAKASHIMA)
•	32	5 (THU)	ditto (Mr. SUZUKI, HARA jointed A Group)	ditto	Study on collected data and information
	33	6 (FRI)	Survey in Medan	Shift from Ternate to Sorong	ditto
	34	7 (SAT)	ditto (Mr.SUZUKI left for Jakarta)	Survey in Sorong	Meeting with Director of TVRI
	35	8 (SUN)	Shift from Medan to Banjarmasin	ditto	Study on collected data and information
11. T	36	9 (MON)	Survey in Banjarmasin	Shift from Sorong to Fak-Fak	ditto
	37	10 (TUE)	ditto	Survey in Fak-Fak	Meeting at RTF
· .	38	11 (WED)	ditto	Shift from Fak-Fak to Sorong	Study on collected data and infromation
•					Visit to Cibinong Ground Station
	39	12 (THU)	Shift from Banjarmasin to Palangkaraya	Shift from Sorong to Ujung Paudang	ditto Shift to Yogyakarta (Mr. SUZUKI, MANABE)
	40	13 (FRI)	Survey in Palangkaraya	Shift from U. Pandang to Jakarta	ditto Site survey at MMTC
	41	14 (SAT)	ditto	Study on collected data and information	ditto Site survey at RRI & TVRI Yogya (Mr. SUZUKI) Shift from Yogyakarta to Jakarta (Mr. MANABE)
	42	15 (SUN)	Shift from Palangkaraya to Banjarmasin	Shift from Jakarta to P. Pinang	ditto Shift from Yogya to Jkt. (SUZUKI)
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No.	Date		Abstructs		
44	10/17 (TUE)	Shift from Jakarta to Pokanbaru	ditto	ditto Meeting at RTF	
45	18 (WED)	Shift from Pekanbaru to Dabo	Shift from Gn Mangkol to Jakarta	ditto Visit to PPFN	
46	19 (THU)	Survey in Cn. Muncung	Shift from Jakarta to T. Pandeng	ditto Meeting with Director of RRI	
47	20 (FRI)	ditto	Survey in Gn. Tajam	Meeting with Director of Planning, Director General of RTF and Director of TVRI	
48	21 (SAT)	Shift from Dabo to Pekanbaru	ditto	Study on collected data and inform.	
49	22 (SUN)	Shift from Pekanbaru to Jakarta	Shift from Gn. Tajam to Jakarta	ditto	. .
50	23 (MON)	Allignment of result of site survey, P	reparation of Progress Report 2, Meetin	ng at RRI	
51	24 (TUE)	Meeting at RTF, Preparation of Prog	ress Report 2	· · · · · · · · · · · · · · · · · · ·]
52	25 (WED)	Meeting at RRI, Preparation of Progr	ess Report 2		
53	26 (THU)	Preparation of Progress Report 2]
-54	27 (FRI)	ditto	· · · · · · · · · · · · · · · · · · ·		
55	28 (SAT)	Meeting at RTF (Explanation of Prog	ress Report 2)		
56	29 (SUN)	Meeting within the Study Team			ļ
57	30 (MON)	Meeting at RTF (Explanation of Prog	ress Report 2)		
58	31 (TUE)	Signing of the minutes, Report to JIC	IA and Enibassy of Japan	n an an ann an Anna an Anna Anna Anna Anna Anna	ļ
59	11/1 (WED)	Departure from Jakarla		•	

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Itinerary of Explanation of the Draft Final Report

N	ò.	Date	Abstructs			
	1	10/ 16 (TUE)	Arrival in Jakarta (Mr. SUZUKI, UEDA, OHNO)			
	2	17 (WED)	Courtesy call to Embassy of Japan and JICA			
	3	18 (THU)	Meeting with RTF (Explanation of Draft Final Report), Arrival in Jakarta (Mr. SEKI, YUU, NORITAKE)			
	4	19 (FRI)	ditto			
i e	5	20 (SAT)	ditto			
	5	21 (SUN)	Meeting within the Study Team			
1	7	22 (MON)	Meeting with RTF			
8	8	23 (TUE)	Signing of the Minutes, Departure from Jakarta (Mr. SEKI, YUU, NORITAKE)			
5	9	24 (WED)	Departure from Jakarta (Mr. SUZUKI, UEDA, OHNO)			
1	0	25 (THU)	Arrival in Tokya			
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INTERVIEWEE LIST ON THE FIRST PHASE SITE SURVEY

JAKARTA

(BAPPENAS)

Dr. Phil. Astrid S. Susanto

Assistant to the Minister of Development Planning in Science and Research

(DEPPEN)

Mr. Drs. Alex Leo Zulkarnain Director General of Radio, Television and Film

Mr. Ir. Nurhadi Subroto

Mr. Ir. M. Arifin

Mr. Kamaluddin, S. H.

Mr. Drs. Paulus Sumule

Mr. Drs. Monny S. Manangka

Mr. A. F. Siemen

Mr. Soebardjo

Mr. John Polhaupessy

Mr. Widayat Joko Santoso

Mr. B. Bakri

and the second

Mr. Sunarya R.

Mr. Alimin Leo

Mr. Suparto

Mr. F. K. Singarimbon

Mr. Sumartono

Secretary, Director of RTF

Head, Planning Bureau Secretariate General

Head, Personnel Bureau Secretariate General

Head, Finance Bureau Secretariate General

Head, External Joint Work Section Planning Bureau Secretariate General

Foreign Project of RTF

RTF Engineering Centre

Planning and Report Section

RTF Engineering Centre

Expert

(RRI)	
Mr. Arsyad Subik	Director of Radio
Mr. Willy Rondonuwu	Secretary of Director
Mr. Sunendra	Head of Technical Development
Mrs. Utiek Ruktiningsih	Head of News Department
Mr. Suryanta Saleh	Head of Programme
Mr. Chairul Zen	Head of Programme Development
Mr. F. Sukarno	Head of Programme Planning
Mr. Djamalal Abidin Ass.	Head of Administration
Mr. Dana S.	Head of Finance
Mr. Rosito Sada	Head of Studio Technic
Mr. Baskara	Head of RRI JAKARTA Station
Mr. Supandi	Head of Administration
Mr. Mulato Widijono	RRI JAKARTA Station
Mr. Bambang Pujiarto	
Mr. Toni Rinadi	

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(TVRI)

Mr. Ishadi
Mr. M. Nasir Agun
Mr. Soewanto Soewandi
Mr. Dahlan, B. E.
Mr. Darso
Mr. Elbert M. Missy
Mr. Sudarno
Mr. Herwanto
Mrs. Suprapti
Mr. Teguh S. I.

Director of TVRI				
Head of Adm:	inistration			
Head of Prop	gramme Planning			
Head of Eng	ineering			
Head of Stud	dio Technic			
Head of TV I	Exchange Programme			

Mr. J. B. Sudiardjo

Mr. Adjie

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(Open Learning University)

Mr.	Harina Yuhetty	Head	of	Audio	Studio)	
Mr.	S. Sutisno	Head	of	Video	Studio)	
Mr.	S. Siswosoemarto	Head	of	Photo	, Film	& Graphics	Studio
Mr.	Sudarsono	Head	of	the Ce	entre		

(Ministry of Tourism, Post and Telecommunication)

Mr. A. Muhaimin

Deputy Director General of Post and Telecommunication for Frequency Control

(PERUMTEL)

Mr.	Suradji	KAPRANOP
Mr.	Sahala Silalahi	KAWILOP
Mr.	Andreas P.	KAPRAUOP-C

(PLN)

Mr.	Karsahala
Mr.	Sibun Sitompul
Mr.	Sambodho Sumani
Mr.	Imam Santoso
Mr.	Soleh Effendi
Mr.	Lumban Farl, DBG.
Mr.	Anggit SA.
Mr.	Eddy Sutrisno
Mr.	Deworo Soenteno
Mr.	Soedar <i>s</i> o
Mr.	Suratno

Mr. Paul A. Liqui Mr. Hari Setiawan Mr. Putu Karmiata Mr. Nazaruddin H.

(Embassy of Japan) Mr. Fumiaki Asano

First Secretary

Resident Representative

Deputy Resident Representative

Assistant Resident Representative

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(JICA JAKARTA Office)

Mr. Yasuo Kitano

Mr. Toru Taguchi

Mr. Atsushi Fuse

(JICA Expert COLOMBO PLAN)

Mr. Masao Migita

Mr. Yoshio Kawahara

BANDUNG

(RRI)

Mr. Eman Sulaeman Mr. T. T. Adikarya Mr. S. Chaniago Mr. H. E. Soekardi Mr. Anang Surjana Mrs. Ella Nurmaela Mrs. T. Surtini

(TVRI)

Mr. Gunawan Subagio

Head of Engineering Department Head of News Department

Station Manager

Mr.	S. Sidik Hartono
Mr.	Tampubolon
Mr.	Suryanto
Mr.	Masrul
Mr.	Ade manila
Mr.	Ayub Yanthoni
Mr.	Andang Satya
(PE)	RUMETEL)
Mr.	Mulia Tambunan
Mr.	Soegiarto
Mr.	Gatot Pidekso
Mr.	Asmudibyo
Mr.	Sjahnuddin Sjam
Mr.	Utang Supriyanta

(LEN)

Mrs. Siti A. Sutarya

Head of Administration Department Head of News Department Head of Transmitter Head of Facility Manintenance Transmitter Studio Operation

First Secretary Chief of Planning Centre

Acting Director

YOGYAKARTA

(DEPPEN)

Mr. Siswadi

Head of Information Service

(RRI)

Mr. Syafei Zaenuddin Mr. Heman Hilmy Mr. Tomo Mr. Sutarno Head of Administration Head of Programme Executing Head of Programme Planning Head of News Department Mr. Y. Sutopo Mr. Sutjipto

(TVRI)

Mr. Semyon Sinulingga

Mr. Istriyanto

(MMTC)

Mr. Willy Karamoy	Director
Mr. Akira Hasegawa	JICA Expert
Mr. Isamu Suzuki	JICA Expert
Mr. Noboru Shimoji	JICA Expert
Mr. Osamu Kobayashi	JICA Expert
Mr. Tadashi Ikeshiro	JICA Expert

SURABAYA

(RRI)

Mrs. Hartati Soekemi	Head of News Department
Mr, Johozua Usmany	Head of Programme Department
Mr. Budihardjo	Head of Engineering Department
Mr. Bedjo Sunaryo	Head of Administration Department

(TVRI)

Mr.	Sudiyanto	Station Manager	
Mr.	Turan	Head of Facility	
Mr.	Hifni Ilyas	Head of Engineering Department	
Mr.	Zulkifli Bahar	Head of news Department	
Mr.	Sutedja	Head of Transmission Department	se plant

Production Technical Section

Kabiu Technic

Station Manager

Mr. Sali Suparli Mr. Muslim Suhidwu Mr. Suryo Asianto

(POS & GIRO)

Mr. Kodrat Samadikun Mr. M. Asrul Mr. Suwwandojo

(PLN)

Mr. Arief Nur hidayat Mr. Soehartono Mr. Hartoyo

Mr. Djoko Soemarno

Head of Administration Department Head of Programme Department Head of Studio Engineering

Post Master Regional Director Chief of Operations

Head of Planning Department Head of Operation & Maintenance

MEDAN

(RRI)

Mr. Syam Abdurrachman

Mr. Suprapto

(TVRI) Mr. Kamaruddin Kasah Mr. Bahauddin

Mr. Syafei Sikumbang

Mr. Bdul Jamil

Mr. Nasrullah

Mr. Eddy Hernowo

Station Manager

Head of Engineering Department

Station Manager Head of Engineering Department Head of Facility Head of Transmission Head of Transmitting Station

(PLN)

Mr. M. Nainggolan

Planning Division

PEKANBARU

(RRI)

Mr. Sukri

Mr. A. Hutasuhut

Mr. Adnan Erna

(TVRI)

Mr. Tri Djoko

Station Manager

Vice Postmaster

Manager

{.

Station Manager

Head of Engineering Department

Mr. M. Sujut

Mr. Parmin

Mr. Kusnul Waton

Mr. Sutrisno

(POS & GIRO)

Mr. Ruseno

Mr. Jasman

Mr. Syafei Noer

(PLN)

Mr. H. Hutabarat

Mr. D. P. Basuki

PALEMBANG

(RRI) Mr. Iskandar Mr. N. Bin. Cokro Mr. Ahmad S. Ahkab Mr. Hadjar Junus Mr. Ismaili Mrs. Amsri Murni Mr. M. Saleh Ismail Mr. Agus Wahyono Mr. Kins A.Tolib

(TVRI)

Mr. Suhaibar Mr. L. Sunartono Mr. E. Utomo Mr. Ruslan Effendi Mr. R. P. Pasaribu Mr. Poernomo Station Manager Head of Engineering Department Head of Broadcasting Department Head of Administration Department

Station Manager Head of Engineering Department Head of Maintenence Head of Facilities Head of Programme Department Head of Administration

BANJARMASIN

(DEPPEN)

Mr. Wachudi Talkum

Manager

(BAPPEDA)

Mr. Syahrir Y. Pamuncak Chairman

(RRI)

Mr. Asaari Jusuf Mr. Heryitno Mr. M. Arifin Mr. Syaukani Mr. Sallomo Hamid Mr. Kadis Umardi

(TVRI)

Mr. Waluyo Djati Mr. Bambang Hardono

(POS & GIRO)

Mr. A. Hamid Jusuf Mr. Musthafa Lubis Mr. Helmi Fauzie

(STATISTICS OFFICE) Mr. M. Hadiwidjojo

BALIKPAPAN

(TVRI)

Mr. A. Rachman Nasution Mr. Hadi Syachri Mr. Djoko Sutrisno Mr. Beny Anwar Mr Budy Antoro Mr. Syachruddin Station Manager Head of News Department Head of Broadcasting Department Head of Administration Department Head of programme Planning Head of Technical Division

ella,

Head, TVRI Production Head, TVRI Transmission

Manager in Regional IX Regional VI Manager, Banjarmasin

Manager

Station Manager Head of Facility Head of Programme Head of Studio Engineering Head of News Head of Music Production Mr. Surachmad

Head of Administration

Mr. Napolion B.

Head of Transmission Engineering

Chairman of the Regional Development

(POS & GIRO)

Mr. Muhammad Umar

Manager

SUMARINDA

(DEPPEN)

Mr. Drs. Djekson

(BAPPEDA)

Mr. Soedarsono Soekardi

Mr. A. Yaspar Hasim

Mr. Surya Atmaja

Mr. Soebianto

Mr. Try Tyas Wardono

Mr Aspansyah

(RRI)

Mr. Supo Sunardi Mr. Adria Nopol Mr. HM. Ardin Katoeng Mr. Gondo Wardoyo Mr. Hamdi AK. B. A. Mr. M. Hoesien TD. Mr. M. Sugiarso Mr. Rus Zakaria Station Manager Head of Facility Head of News Department Head of Engineering Department

Planning 🗉

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Mr. Untung Munardi

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Chief of Planning

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Station Manager Head of Engineering

Announcer Announcer

Manager

Construction Manager Construction Planning

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Vice Governor

(GOVERMENT OFFICE)

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Mr. Saul Mada

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Mr. D. Toisuta

Mr. Chris panie

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Ka Sektor TRM Kasubbag

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Mr.	Rochani	Head
Mr.	R. A. Nurdjaman	Head
Mr.	Umar Solle	고 19년 - 관 ·
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Mr. A. Kemit

Chief of District-10

Effort Deputy

Chief of Education

Cultural Programmer

INTERVIEWEE LIST ON THE SECOND PHASE SITE SURVEY

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Mr. Kamaluddin, S. H.	Head, Personnel Bureau Secretatiate General
Mr. Drs. Paulus Sumulte	Head, Finance Bureau Secretariate General
Mr. Drs. Monny S. Manangka	Head, External Joint Work Planning Bureau Secretariate General

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Mr. A. F. Siemen	Head of Foreign Project of RTF
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Mr. Willy Roundnuwu	Secretary of Director
Mr Syamsul M.	Head of Administration
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Mr. Suryanta Saleh	Sub-Director of Programme
Mr. Chairul Zen	Sub-Director of Programme Development
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MEDAN

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Mr. Pramono

Mr. Adminis BC

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Head of Engineering Department (Transmitter)

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Station Manager Head of Engineering Department Head of Facilities Head of Transmission Head of Transmitting Station

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