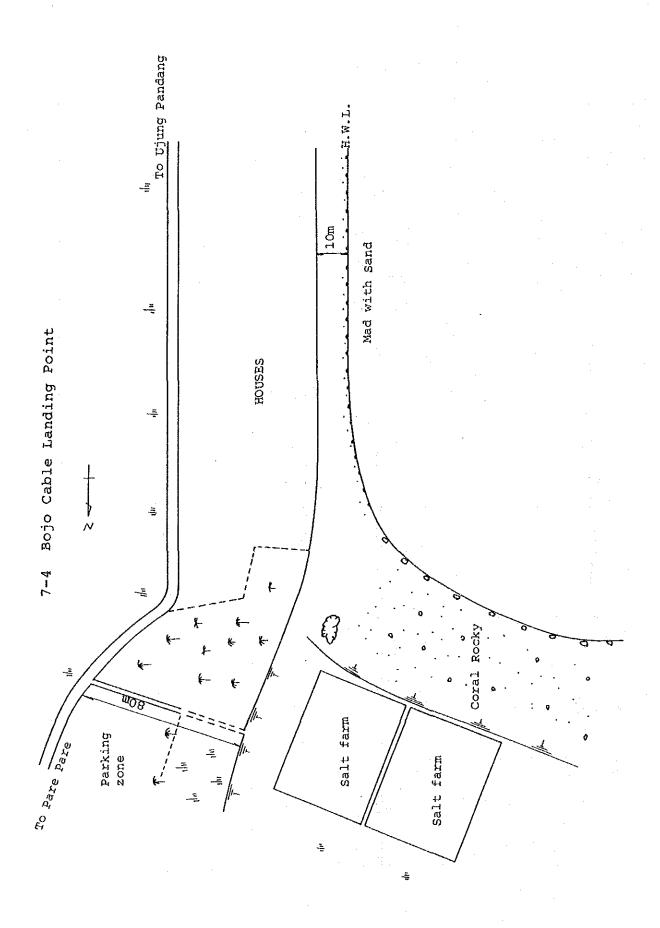
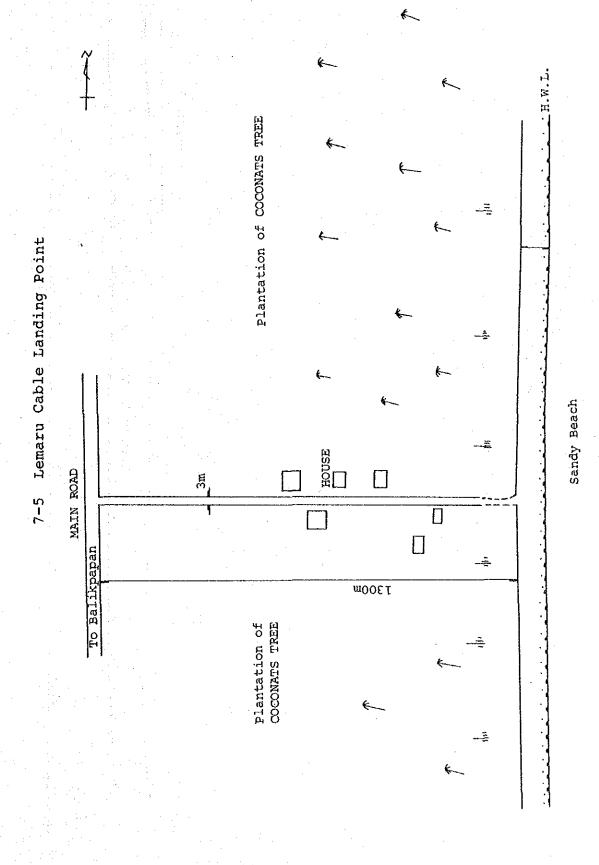
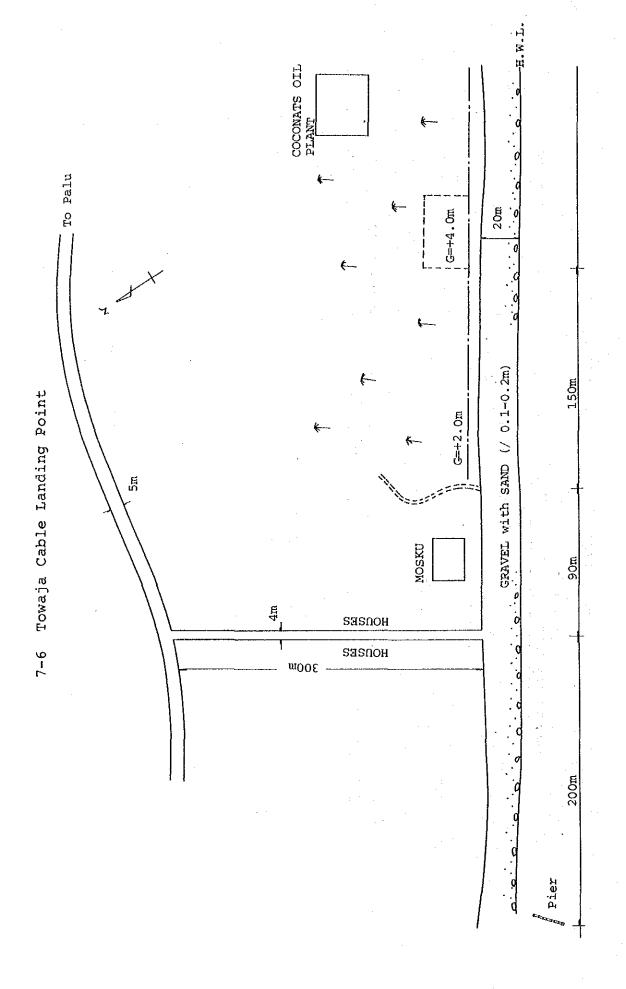
SWAMP SWAMP SWAMP SWAMP (-1.5m) SWAMP SWAMP SWAMP HOUSES HOUSES SWAMP SWAMP

7-3 Balang Cable Landing Point

Sandy Beach







ANNEX V GENERAL DESCRIPTION OF DIGITAL CIRCUIT MULTIPLICATION EQUIPMENT (DCME)

General Description of Digital Circuit
Multiplication Equipment (DECM)

1. Preface

At the moment, the advanced technics of TASI (Time Assignment Interpolation) or DSI (Digital Speech Interpolation), which is applied to Voice Circuit, is used for increasing practically the transmission capacity for the international telephone links, especially for Submarine Cable Network and Satellite Network.

On the other hand, the more effective coding method of Voice Signals, comparing with 64 Kbps PCM Coding, becomes possible to be produced by the hardware due to the rapid development of LSI technologies.

Therefore, many countries are developing DCME (Digital Circuit Multiplication Equipment) which realizes more effective circuit multiplication, by combining the conventional DSI system and ADPCM system (Adaptive Differential Pulse Code Modulation).

DCME realizes to multiple the channel at 2 to 2.5 times by DSI system, and at 2 times by ADPCM, totally 4 to 5 times to the digital primary transmission channels.

In case DCME is added to the digital transmission route, the circuit multiplication of the telephone channel becomes possible, and realizes the effective use for the planned circuit demand. However, at the moment, as DCME is developing the time of practical use, the application strategy for introducing to the national transmission network and the price of the equipment are still unknown.

These items should be checked before carrying out the detailed survey of the Kalimantan - Sulawesi Submarine Cable System.

2. General Description of Operation

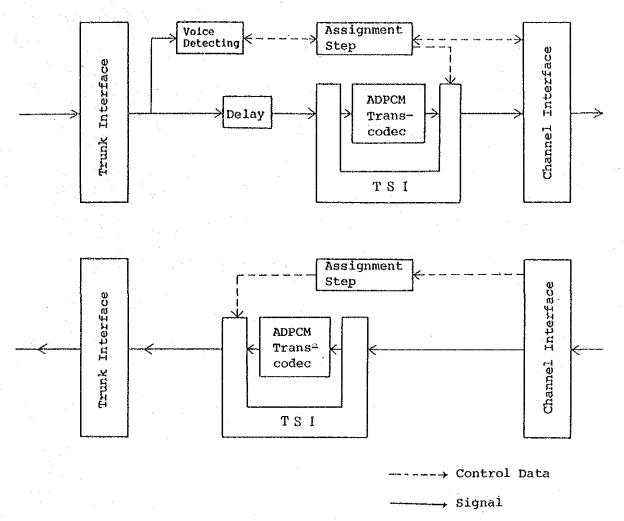
The basic composition of DCME is shown in the Figure V-1. The digital signals multiplied according to the hierarchy of Exchange Side are put into the trunk interface and converted into 8 bit parallel signals. Afterwards, the data of detecting the existence of voice signals by a channel is sent to assignment system. The assignment system decides the allotment of voice signals for transmission channel by the data of detecting the existence of other voice signals and operating conditions of the channel, and makes the assignment message to the opposite DCME.

On the other hand, the sending signals are sent to TSI (Time Slot Interchange) through the delay circuit which compensates the time for assignment. TSI executes the transmission assignment for voice signals detected according to the result of assignment.

After this steps, 64 Kbps PCM signals are converted to 32 Kbps ADPCM by ADPCM Trans-Codec.

The channel interface converts the frame format, and so on, according to the interfacing conditions of the transmission network.

At the receiving side, the conversion of 32 Kbps ADPCM signals to 64 Kbps PCM signals and connection of voice signal to the trunk side are carried out.



DCME Composition

For the actual equipment, in addition to the above mentioned mechanism, the noise adjustment circuit which compensates the unnatural conversation by cutting the background noise during no talking, DLC (Dynamic Load Control) system which requests for the exchange to stop new calls in order to prevent the speech quality degeneracy during the circuit busy hour, and many systems for ease of operation and maintenance are necessary.

ANNEX VI INFORMATION ON BASIC DESIGN FOR BACKHAUL SYSTEM

1. Existing Telecommunications Facilities

- 1-1 Banjarmasin
- 1-2 Karamaian
- 1-3 Balikpapan
- 1-4 Ujung Pandang
- 1-5 Tino
- 1-6 Saretene

2. Status-quo of Ratio Stations on Each Route

2-1	Plan-1A, B and C	Kalimantan side
2-2	Plan-1A	Sulawesi side
2-3	Plan-1B	Sulawesi side
2-4	Plan-1C	Sulawesi side
2-5	Plan-2	Kalimantan side
2-6	Plan-2	Sulawesi side
2-7	Plan-2'	Kalimesi side

3. Route Map of Backhaul Subsystem

3-1 Plan-1A (Takisung) 3-2 (Lamaraka) Plan-1A 3-3 (Balang) Plan-1B 3-4 (Bojo) Plan-1C 3-5 (Lemaru) Plan-2 3-6 (Towaja) Plan-2

1. Existing Telecommunications Facilities

1-1 Banjarmasin (Terminal Station)

1. Location

a. Coordinates

Latitude: E.114°34'55"
Latitude: S.3°19'34"

b. Elevation 2 m ASL

2. Access road

This microwave terminal station is in telephone office located in the central part of the city, No access road construction in required.

3. Site condition

New tower construction space for this project is not available, because the court yard in this site has the planning of building extension.

- 4. Propagation condition
- 5. Existing transmission equipment
 - a. 4 GHz 1,260 ch 3 W FM microwave system (Jawa-Kalimantan Troposcatter)
 - b. 2 GHz 480 ch 34 Mb/s microwave system
 - c. Others
- 6. Existing antenna tower and antenna
 - a. 40 m height tower with 4 antennas
 - b. UHF/VHF antenna

- 7. Commercial power supply 380/220 V 50 Hz 3ø 4 W
- 8. Existing power supply
 - a. Engine Generator: 250 kVA 380/220 V 3ø 1 Set
 - b. AVR
 - c. Charger 40 A x 2
 - d. Battery 170 AH x 2
- 9. Power equipment to be installed Battery and Charger for this project is not available from existing power plant
- 10. Building to be used

The next room to the equipment room is available to install radio and multiplex equipment for this project.

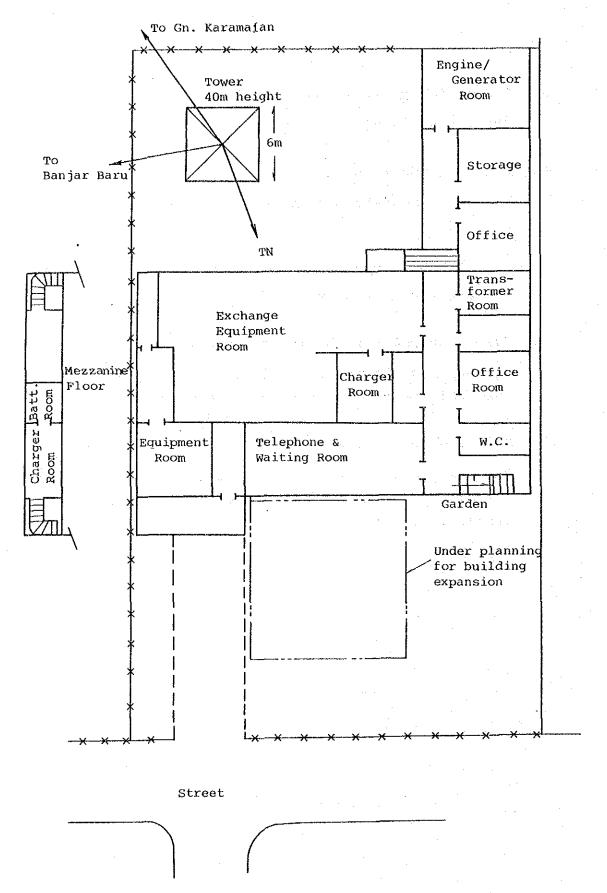


Figure 1-1 Site Layout for Banjarmasin Station

1-2 Gn. Karamaian (Repeater Station)

- 1. Location
 - a. Coordinates

Longitude: E.116°41'50"

Lathtide: S.3°45'60"

e. Elevation 305 W ASL

2. Access road

The exist microwave repeater station is located on the hill top, no need to construct access road.

3. Site condition

New tower construction is available in this site.

- 4. Propagation condition
- 5. Existing transmission equipment
 - a. 4 GHz 1,260 ch 3 W FM microwave system
 - b. 2 GHz 120 ch FM microwave system(Jawa-Kalimantan troposcatter system)
- 6. Existing antenna tower and antenna14 m height tower with 2 antennas
- 7. Commercial power supply
 This station has not commercial power.

- 8. Existing power plant
 - a. Engine/Generator 34 kVA, 220/120 V 3ϕ 4 W 50 Hz 3 sets
 - b. Charger 24 V x 2
 - c. Battery 140 V 170 AH x 2 240 V 60 AH x 2
- 9. Power equipment to be installed The power supply for this project is available from the existing power supply equipment.
- 10. Building to be used
 Equipment room is able to be used for this project.

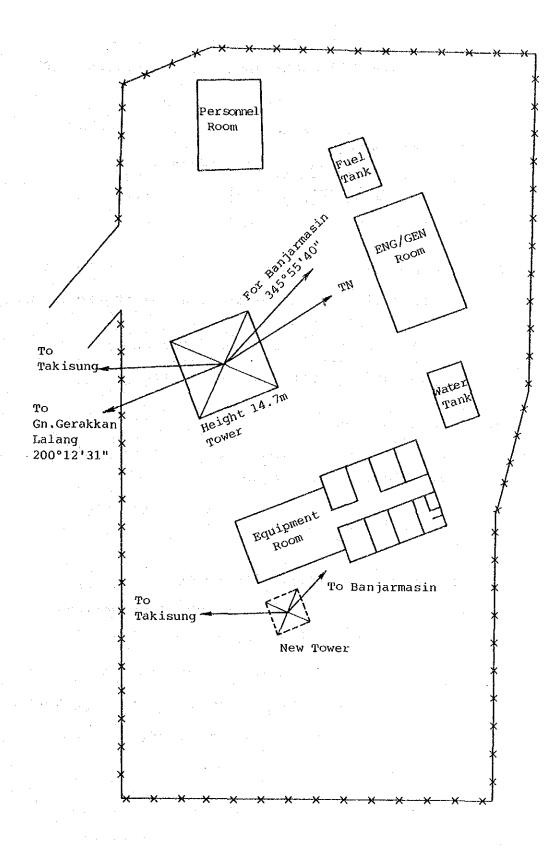


Figure 1-2 Site Layout for Gn. Karamaian Station

1-3 Balikpapan (Terminal Station)

- 1. Location
 - a. Coordinates

Longitude: E.116°51'00"
Latitude: S.1°15'31"

b. Elevation 50 m ASL

2. Access road

- a. This site is microwave terminal station, located on the hill top(Balikpapan Samarinda 7 GHz band)
- b. No need to construct access road.
- 3. Site condition

New tower construction space for this project is available in this project.

- 4. Propagation condition
- 5. Existing transmission equipment
 - a. TRT 7 GHz (analog) 360 ch for Samarinda
 - b. TV TRT 7 GHz (analog) 7 GHz
 - c. SAT 2 GHz (digital) for Banjarmasin
 - d. STJJ (rural) for long distance for subscriber
 - e. UHF Nec TR4PM6 for Sepinggan

- 6. Existing antenna tower and antenna
 - a. 42 m height triangle tower
 - b. 3 mø Grid 2 antennas (Analog/Digital)
 3 mø Disc 1 antenna (TV analog)
 Yagi 12 el 2 antennas (TV 0/W and Sepinggan)
 Collinear 4 antennas (POCDA, LNT, Rural and SATPAM)
- 7. Commercial power supply
 - a. 23 kVA 3ø 380/220 V 50 Hz
 - b. Engine/Generator 8 kVA 3ø 380/220 V 50 Hz
 - c. Rectifier for TRT (E.BENIT) 25 A \times 2 Rectifier for STJJ (INTI) 50 A \times 1 Rectifier DC power supply for UHF TR4PM6
 - d. Battery 4 x 12 V 172 AH (TRT)
 2 x 48 V (SAT)
- 8. Power equipment to be installed

Besides these existing equipment, soon 2 GHz 34 Mb/s equipment will be installed. Therefore, the power supply for this project is not available from existing power supply equipment. Battery and rectifier should be installed in this project.

9. Building to be used

Existing equipment room is available to be installed radio equipment of this project.

10. New tower

New tower should be constructed, because the existing tower could not install more antennas.

1-4 Ujung Pandang (Terminal Station)

- 1. Location
 - a. Coordinates:

Longitude E.119°24'21"
Latitude S.5°08'10"

b. Elevation 2 m ASL

2. Access road

The microwave terminal station is in the third floor of telephone exchange office located in outskirts of center of the city, no access road construction in required.

- 3. Site condition
- 4. Propagation condition
- 5. Existing transmission equipment
 - a. 6 GHz 1 W TR-7G 1,260-7 V/B \times 2 (Eastern Microwave)
 - b. STJJ + P3L4 (for rural)
 - c. SKSD + MUX (for satellite)
 - d. Coaxial LTE (PCM, PLESSY)
- 6. Existing antenna tower and antenna
 - a. 60 m height tower with 3 antennas
 - b. Others (for UHF, VHF)

- 7. Commercial power supply
 380/220 V 50 Hz 3¢ 4 W (PLN)
- 8. Existing power plant
 - a. Engine/Generator 21 kVA, 127/220 V 3ø 4 W
 - b. Battery 24 V, 400 AH
- 9. Power equipment to be installed

Engine/Generator, Battery and Charger should be installed, because power supply for this project is not available for existing power plant.

10. Building to be used

The space of existing equipment room is narrow, cannot be installed the equipment of this project. However, the extend of equipment room was planned, should be made allowances for this project in that plan.

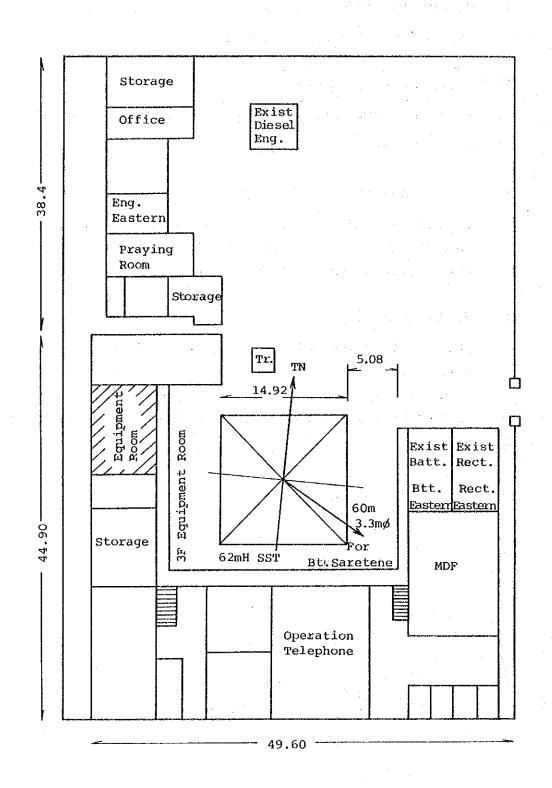


Figure 1-3 Site Layout for Ujung Pandang Station

1-5 Bt. Tino (Repeater Station)

- 1. Location
 - a. Coordinates:

Longitude E.118°54'26"
Latitude S.5°26'51"

- b. Elevation 1130 m ASL
- 2. Access road
 This is existing station, no access road construction is required.
- 3. Site condition
- 4. Propagation condition
- 5. Existing transmission equipment app. 6 GHz TR-7G-7/B, V, W 1 W FM each one (Eastern Microwave)
- Existing antenna tower and antenna
 27.5 m height tower with 2 antennas
- 7. Commercial power supply
 None
 - 8. Existing power plant
 - a. Engine/Generator F3L P12 x 2 sets
 - b. Battery 13 CS 700 B x 2
 - c. Charger 3.5 kVA/7.1 kW

9. Power equipment to be installed

Engine/Generator, Battery and Charger should be installed in this project.

10. New tower

New antennas are capable for installation, only reinforced existing tower for this project. Therefore, no new tower construction is required.

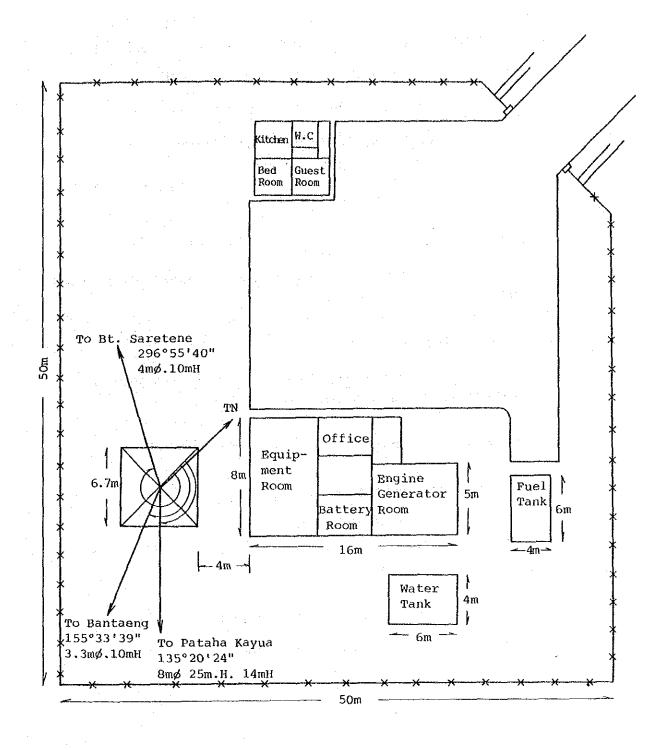


Figure 1-4 Site Layout for Bt. Tino Station

1-6 Bt. Saretene (Repeater Station)

- 1. Location
 - a. Coordinates:

Longitude E.119°34'07"
Latitude S.5°16'30"

b. Elevation 220 m ASL

2. Access road

At this station is existing one, no new access road construction is required.

3. Site condition

New tower construction space for this project is available in this site.

- 4. Propagation condition
- 5. Existing transmission equipment app. 6 GHz TR-7G1260-7V/B x 2 1 W FM microwave system (Eastern Microwave)
- 6. Existing antenna tower and antenna12 m height tower with 2 antennas
- 7. Commercial power supply
 None

8. Existing power plant

- a. Engine/Generator F2L 912 x 2
- b. Battery 13 CS 400 B (24 V, 400 AH) x 3
- c. Charger 3.5 kVA 280 V DC 5 kW
- 9. Power equipment to be installed Engine/Generator and Charger should be installed in this project.
- 10. Building to be used
 The existing equipment room is available to install the equipment for this project.
- 11. New tower to be constructed

 New antenna tower should be constructed, because new antenna are not capable of installation.

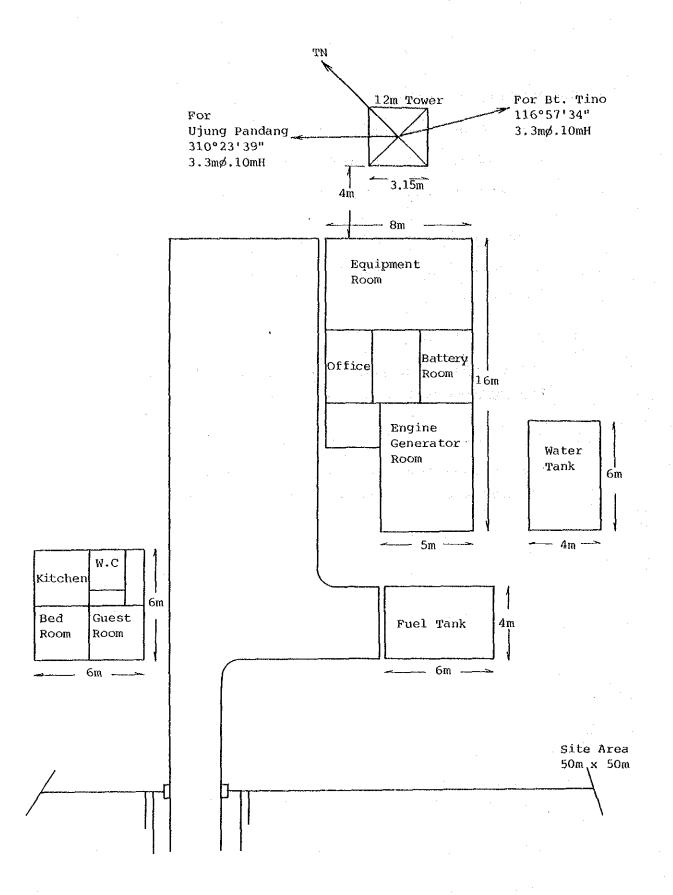


Figure 1-5 Site Layout for Bt. Saretene Station

2. Status-quo of Radio Stations on Each Route

2-1 Plan-1A, B and C Status-quo of Radio Station (Kalimantan Side)

Name of station Classification of station Elevation	Access road	Site and office	Equipment room	Electric power	Tower and antenna	Remarks
Banjarmasin Microwave terminal station 2 m	Station: Located in the area of telephone office placed in the center of city not necessary to construct new road	There are vacant space, but pre-occupied by another future office extension plan.	As the room is filled with the equipment for Jawa - Kalimantan troposcatter 2G/4G system, Banjarmasin - Balikpapan 2G digital microwave system and preceding Surabaya - Banjarmasin system, it will use the space of neighbor room.	Commercial 380V/220V 36/4W Engine/Generator 250kVA 380V/220V 50 Hz, 36/4W, one AVR Rectifier 40A x 2 Battery 170 AH x 2 If necessary, additional power will be supplemented.	Tower height 40 m SST 3.3mø dish x 2 2mø dish x 2 (grid) Yagi & Co-linear antenna Tower will be commonly used with precedent Surabaya - Banjarmasin project	There is no vacant space for installing new tower.
Gn. Karamaian Microwave repeater station 305 m	As the station is existing, no problem for access road	Enough space is available. Tower will be installed by precedent Surabaya - Banjarmasin project.	4GHz (analog) FM microwave equipment, 2GHz (troposcatter) microwave equipment For Banjarmasin Submarine Cable Project are installed. It is also possible to install microwave and transmission equipment for this project.	No commercial power Engine/Generator 34kVA 220V/120V 36/4W, 50 Hz, 3 ea. Rectifier 24 V 2 ea. Battery 170 AH 2 ea. 60 AH 2 ea. Abovementioned equipment are available for this project.	Tower height 13.5 m SST 19mø dish x 1 (mesh) (for troposcatter use) 2mø dish x 1 As the tower height is low, additional antenna cannot be installed on its tower.	Tower will be installed in space of this site by Surabaya - Banjarmasin Submarine Cable Project.
Takisung Cable landing terminal station & Microwave terminal station 1 m	Commonly use with Surabaya - Banjarmasin Submarine Cable Project	Area 50m x 50m Station space 240m ² Commonly use with Surabaya - Banjarmasin Submarine Cable Project	Floor space 10m x 10m Commonly use with Surabaya - Banjarmasin Submarine Cable Project	No commercial power Surabaya - Banjarmasin Submarine Cable Project can supply power from 75kVA x 3 If necessary, additional rectifier or battery will be provided.	Commonly use with Surabaya - Banjarmasin Submarine Cable Project	Newly installed station by preceding project.

2-2 Plan-1A Status-quo of Radio Station (Sulawesi Side)

Name of station Classification of station Elevation	Access road	Site and office	Equipment room	Electric power	Tower and antenna	Remarks
Ujung Pandang Microwave terminal station 2 m	As the station is commonly used with telephone office located in the vicinity of center of city, no problem is expected.	In the site area (50m x 80m) there is telephone office and a part of 3rd floor of the office building will be occupied for this project.	In the floor area 6m x 9.5m, owing to the existence microwave radio, rural radio, satellite transmission, coaxial cable transmission, voice distribution, monitoring, equipment. It is difficult to install the radio, transmission equipment of this project.	Commercial power receive from PLN 380V/220V 50Hz 36/4W Engine/Generator 21kVA x 1 AVR 220V/127V 36/4W x 1 Rectifier 175 A x 1 Battery 400 AH x 2 If necessary, additional power equipment will be provided.	Tower height 62m SST 3.3mø dish x 1 2.0mø dish x 1 2.0mø dish x 1 (grid) Besides above, UHF/VHF antenna is attached on same tower.	The expansion of equipment room is planning. The existing tower will be reinforced for this project.
Bt. Saretene Microwave repeater station 220 m	As this station is existing station composing eastern microwave system, there is no problem regarding access road.	Site area 50m x 50m Station area 107m ² There is enough space.	Ploor space 5m x 7m Radio repeater equipment x 2 Remote supervisory equipment x 1 Therefore, its possible to install the equipment in the floor space.	No commercial power Dual prime, Engine/Generator 3.5kVA/5kW x 1 Control cubicle 3.5kVA/5kW x 1 Battery 13CS-400B x 3 If necessary, additional equipment will be installed in this project.		
Bt. Tino Microwave repeater station 1,130 m	Same as above	Same as above	Because of the equipment for eastern microwave system is branched to the Bantaeng station, microwave repeater equipment x 3, mod-demo equipment x 1, remote supervisory equipment x 1 are impossible to install in the room.	No commercial power Dual prime, Engine/Generator 3.5kVA/7.1kW x 1 Control cubicle 3.5kVA/7.1kW x 1 Battery 13CS-700B x 2 If necessary, additional equipment will be installed in this project.	Tower height 27.5m SST 8mø dish x 2 4mø dish x 1 3.3mø dish x 1	In this project, the antenna dishes become possible to install, by means of reinforcing the tower structure.
Lamalaka Submarine cable landing terminal station & Microwave terminal station 1 m	Necessary to construct new road (0.2km) from main street to the station	Required area 50m x 50m between seaside and main street, there exist many coconuts trees, so, its necessary to cutting trees, piling soil etc. Site area is planned 240m ²	Required floor area is 10m x 10m for submarine cable terminal equipment and microwave terminal station.	Near the site area commercial power is available, however it is supposed to be interrupting frequency. Therefore Engine/Generator 50kVA x 3 Rectifier & Battery x 1 set is recommendable.	Newly installed Tower height 62m Antenna dish x 1	Newly installed

2-3 Plan-1B Status-quo of Radio Station (Sulawesi Side)

Name of station Classification of station Elevation	Access road	Site and office	Equipment room	Electric power	Tower and antenna	Remarks
Ujung Pandang Microwave terminal station 2 m		s	ame as Plan-1A, please refer it			
Balang	It is necessary to construct the road from public road	From seaside, passing over the swamp, there are	Submarine and microwave	Commercial power is available at about 1km apart from	Newly installed antenna	Newly installed site with space diversity system,
Submarine cable landing terminal station & Microwave terminal station	to the station (distance is about 0.5km) and to repair for public road (distance is about 3km).	coconuts forest. The station will be planned to install this area securing 50m x 50m. Space of site office will be about 240m ² .	terminal equipments (1 + 1s) will be installed in this space.	station, but it is unstable. Therefore, Engine/Generator 50kVA x 3 Rectifier x 1 set Battery x 1 set will be provided.	dish x 2	because the microwave propagation route pass along with the seashore.

2-4 (1/2) Plan-1C Status-quo of Radio Station (Sulawesi Side)

Name of station Classification of station Elevation	Access road	Site and office	Equipment room	Electric power	Tower and antenna	Remarks
Ujung Pandang Microwave terminal station 2 m			Same as Plan∽lA, please refer i			
G. Makkaroewa Microwave repeater terminal 615 m	Commonly use with Trans- Sulawesi digital microwave project	Same as description in "Access road"	Same as "Site and office" However, microwave repeater equipment x 2 will be installed in earlier stage.	In this project, if its necessary, additional equipment will be provided.	In this project, commonly use with Trans-Sulawesi digital microwave project.	Standby bearer will be commonly used.
Tompo Ladang Microwave repeater station 518 m	Same as above	Same as above	Same as above	Same as above	Same as above	Same as above
G. Barojang Microwave repeater station	Same as above	Same as above	Same as above	Same as above	Same as above	Same as above
580 m						

2-4 (2/2) Plan-1C Status-quo of Radio Station (Sulawesi Side)

Name of station Classification of station Elevation	Access road	Site and office	Equipment room	Electric power	Tower and antenna	Remarks
G. Patirosompa Microwave terminal station 105 m	Commonly used with Trans- Sulawesi digital microwave project	Same as description in "Access road"	Same as description in "Site & office". However, microwave repeater equipment x 2 will be newly installed.	In this project, if its necessary, additional equipment will be provided.	In this project, commonly use with Trans-Sulawesi digital microwave project	Installed by Trans- Sulawesi microwave project. Standby bearer will be commonly used.
				1		
B. Malcci Microwave repeater station 402 m	Same as above	Same as above	Same as above	Same as above	Same as above	Same as above
Pare Pare Microwave terminal station & Coaxial cable terminal station 5 m	As the telephone station and coaxial transmission station are existing, no problem for access road.	Same as description in "Access road"	Same as description in "Site & office" Installed together with microwave terminal equip- ment for Maloci station and optical fiber cable terminal equipment for Bojo station.	Same as above	Same as above	Same as above
Bojo Submarine cable landing terminal station & Microwave terminal station 1 m	Newly construct about 200m from public road	The station will be planned to install the area in the coconut forest securing 50m x 50m space, assuming station space 240m ² .	Floor space will be kept 10m x 10m. Submarine cable terminal equipment, over land optical fiber cable terminal equpiment, etc. will be installed in this space.	Commercial power is available in adjacent area. However, as it is not stable, Engine/Generator 50kVA x 3, Rectifier x 1, Battery x 1 set will be provided.	As adopting over-land optical fiber system for Pare Pare station. Its not necessary to install tower and antenna system.	Same as above

2-5 (1/4) Plan-2 Status-quo of Radio Station (Kalimantan Side)

i	,	Equipment room	Electric power	Tower and antenna	Remarks
		Same as Plan-1A			·
o problem for access road.	Supposed to be possible for using commonly, as the station is existing one.	Possible to install commonly with existing one.	If necessary, additional power equipment will be provided.	Existing tower 80m height. For Banjarmasin - Balikpapan 3mø x 1 4mø x 1 2GHz Spur hop 2 dish	Newly installed tower 72m height
	mountain site area, assuming	Assuming the floor space about 30m ² . Equipment installing in the room Microwave repeater equipment (1+1S) x 2, Supervisory AL, AR equipment.	Dual prime Engine/Generator Rectifier Battery will be newly installed.	72m height tower will be installed newly. Providing 2 antenna dishes.	As the hop distance is long, at existing Marabaha station, and it is not adequate for high speed transmission system, new repeater station will be constructed.
o problem for access road.	of 20Hz system, we consider it is possible to use	Possible to use commonly.	If necessary, additional equipment will be provided.	Existing tower Height: 35m 2 antenna dish are installed.	Newly installed tower 72m height
to	is necessary to construct ad. Distance is about 2km.	for using commonly, as the station is existing one. Necessary to keep the area of about 600m² for the mountain site area, assuming about 120m² for office. 5 m As this is existing station, of 20Hz system, we consider it is possible to use	Same as Plan-lA Supposed to be possible for using commonly, as the station is existing one. Necessary to keep the area of about 600m² for the mountain site area, assuming about 120m² for office. 5 m Microwave repeater equipment (1+1S) x 2, Supervisory AL, AR equipment. As this is existing station, problem for access road. As this is existing station of 20 microwave repeater equipment (1+1S) x 2, Supervisory AL, AR equipment.	Same as Plan-lA Same as Plan-lA Supposed to be possible for using commonly, as the station is existing one. Possible to install commonly with existing one. Possible to install commonly with existing one. If necessary, additional power equipment will be provided. Assuming the floor space about 30m ² . Equipment installing in the floor space about 30m ² . Equipment installing in the floor space about 30m ² . Suppression of about 600m ² for office. 5 m floor space about 30m ² . Equipment installing in the floor space about 30m ² . Suppression of about 120m ² for office. 5 m floor space about 30m ² . Equipment installing in the floor space about 30m ² . Suppression of about 120m ² for office. 5 m floor space about 30m ² . Equipment installing in the floor space about 30m ² . Equipment about 120m ² for office. 5 m floor space about 30m ² . Equipment 30m ² for office. 5 m floor space about 30m	Same as Plan-IA Same as Plan-IA Supposed to be possible for using commonly, as the station is existing one. Possible to install commonly with existing one. Possible to install commonly provided. Possible to install commonly prover equipment will be provided. For Banjarmasin - Balikpapan 3m6 x 1 4m6 x 1 2GHz Spur hep 2 dish Possible to install commonly prover equipment will be provided. Possible to install commonly prover equipment will be provided. Possible to install commonly prover equipment will be provided. Possible to install commonly prover equipment will be provided. Possible to use commonly. If necessary, additional power Equipment will be installed nextly. Providing 2 antenna dishes. Existing tower 80m height. For Banjarmasin - Balikpapan 3m6 x 1 4m6 x 1 2GHz Spur hep 2 dish Provided. Possible to use commonly. If necessary, additional equipment will be provided. Existing tower Height: 35m 2 antenna dish are

2-5 (2/4) Plan-2 Status-quo of Radio Station (Kalimantan Side)

Name of station Classification of station Elevation	Access road	Site and office	Equipment room	Electric power	Tower and antenna	Remarks
Rantau Microwave repeater station 10 m	As this is existing station of 2GHz 34Mbit system. No problem for access road.	Suppose to be possible for using commonly, as the station is existing one of 2GHz system.	Same as description in "Site & office".	If necessary, additional equipment will be provided.	Existing power is guy-wire type of 55m height. 2mm/ antenna dish x 2 are installing on the top of it.	In this project 72m height tower (SST) will be newly installed.
Kandangan Microwave repeater station 10 m	Same as above	Same as above	Same as above	Same as above	Existing tower is guy-wire type of 60m height, installing 2 antenna dishes. Each height of antenna dish is 55m and 60m.	Same as above
Barabai Microwave repeater station 15 m	Same as above	Same as above	Same as above	Same as above	Existing tower is guy-wire type of 60m height, installing 2 antenna dishes. Each height of antenna dish is 25m and 60m.	Same as above
B. Amuntai Microwave repeater station 5 m	Same as above	Same as above	Same as above	Same as above	Existing tower is guy-wire type of 80m height, installing 2 antenna dishes. Each height of antenna dish is 60m and 80m.	Same as above
Tanjung Microwave repeater station 5 m	Same as above	Same as above	Same as above	Same as above	Existing tower is guy-wire type of 70m height, mounted 3mo antenna dish x 2. Each mounted height is 70m and 25m.	In this project, 72m height tower (SST) will be newly installed mounted 3 antenna dishes on it.

2-5 (3/4) Plan-2 Status-quo of Radio Station (Kalimantan Side)

Name of station Classification of station Elevation	Access road	Site and office	Equipment room	Electric power	Tower and antenna	Remarks
RS2 Microwave repeater station	It is necessary to construct new road about 2km in this project.	Necessary to keep the area of about 600m ² for site area, and about 120m ² for office space.	Assuming the floor space about 30m ² .	In this project Dual prime Engine/Generator x 2 Rectifier Battery will be newly installed.	72m height tower will be installed newly, providing 3 antenna dishes for space diviesity use to Tanjung direction.	Newly installed station the hop instance between Tanjung - Tanah Grogot and G. Halot is long, so insert 2 repeater station between the hop.
RS3 Microwave repeater station	Same as above	Same as above	Same as above	Same as above	72m height tower will be installed newly, providing 3 antenna dishes for space diversity use to Grogot direction.	Same as above
·						
Tanah Grogot Microwave repeater station 5 m	In this site, 2GHz system is now under-constructing, therefore, no problem for access road.	In this site, 2GHz system is now under-constructing we consider it is possible to use commonly.	As 2GHz system is under- constructing, we consider it is possible to use commonly in this system	2GHz system is now under- constructing. In this project, if necessary, additional equipment will be provided.	According to the data concerning, existing tower is guy-wire type of 100m height mounted 4md dish (to K.P. Lampi direction). However, we have no information to G. Halat direction.	In this project, 72m height tower (SST) will be newly installed, mounted on it 4 antenna dishes.
K.P. Lampi Microwave repeater station 60 m	Same as above	Same as above	Same as description in "Site & office".	Same as above	2GHz system is under- constructing. According to the information concerned, 100m height (SST) is planning to install having 2 antenna dishes. Each height is 50m and 80m. However detail information could not obtain.	In this project, 3 antenna dish are required. Therefore, 72m height tower (SST) will be installed newly.

2-5 (4/4) Plan-2 Status-quo of Radio Station (Kalimantan Side)

Name of station Classification of station Elevation	Access road	Site and office	Equipment room	Electric power	Tower and antenna	Remarks
RS4 Microwave repeater station	In this project, it is necessary to construct new road of about 20km.	Necessary to keep area of about 600m ² for site area, and 120m ² for office space.	We consider floor space is 30m ² .	In this project Dual prime Engine/Generator Rectifier Battery will be newly installed.	In this project, 72m height tower will be installed newly, providing 2 antenna dishes.	Newly installed station.
Labangka Microwave repeater station 60 m	In this site, 2GHz system is now under-constructing, therefore, no problem for access road.	In this site, 2GHz system is now under-constructing. We consider, it is possible to use them commonly.	Same as description in "Site & office".	2GHz system is under- constructing. In this project, if necessary, additional equipment will be provided.	Existing tower is guy-wire type of 68m height mounted 4m6 and 3m6 antenna on it. Each antenna height is 50m and 68m respectively.	In this project, 72m height tower (SST) will be newly installed, having 3 antenna dishes.
Balikpapan Microwave terminal station 50 m	As this site is existing one on the hill in the vicinity of city, no problem for access road.	As this station is existing one, it is possible to use commonly.	There installed 7GHz microwave system (2+1S)	Same as above	Existing tower is triangle type of 42m height mounted on it 3mg dish x 3, 6 of VHF, UHF antenna.	Same as above
Lemaru Submarine cable landing terminal station & Microwave terminal station 2 m	In the vicinity of the station, there exist several houses, so it is necessary to construct the access road of 200m, and repairing work of 1km is necessary.	Station will be in the coconuts forest. Tree cut and arrangement will be requested. Site area 50m x 50m Station office 240m ² should be secured.	Required floor space is 100m ² .	Commercial power is available at about 1km apart from station, but in this project Engine/Generator 50kVA x 3 sets Rectifier Battery will be installed newly.	72m height tower (SST) will be installed newly, mounted antenna dish x 1.	Newly installed site.

2-6 (1/4) Plan-2 Status-quo of Radio Station (Sulawesi Side)

Name of station Classification of station Elevation	Access road	Site and office	Equipment room	Electric power	Tower and antenna	Remarks
Towaja Submarine cable landing terminal station & Microwave terminal station 2 m	It is necessary to construct the road from public road to the station. Distance is about 500m.	About 100m from seashore there are coconuts forest. The station will be planned to install this area, securing 50m x 50m. Space of site office will be about 240m ² .	Floor space will be 100m. Submarine cable terminal equipment (CTE, TTE, PFE), microwave terminal equipment, AR/AL will be installed in this space.	Commercial power is available at about 200m from station. In this project, Engine/Generator 50kVA x 3 Rectifier x 1 Battery x 1 set will be provided.	72m height tower will be installed newly providing antenna dish x 1.	Newly installed station.
Donggala Microwave repeater station 39 m	Commonly use with Trans- Sulawesi digital microwave project	Same as description in "Access road".	Same as description in "Access road".	In this project, if it is necessary, additional equipment will be provided.	Commonly use with Trans- Sulawesi digital microwave project	Standby bearer will be commonly use with Trans- Sulawesi microwave system.
B. Salubay Microwave repeater station 980 m	Same as above	Same as above	Same as above	Same as above	Same as above	Same as above
G. Tokaraka Microwave repeater station 980 m	Same as above	Same as above	Same as above	Same as above	Same as above	Same as above
Porigi Microwave repeater station 980 m	Same as above	Same as above	Same as above	Same as above	Same as above	Same as above

2-6 (2/4) Plan-2 Status-quo of Radio Station (Sulawesi Side)

			The second secon	والمراقع والمتعادي والمتعادي والمتعادي والمتعادية والمتعادة والمتعادية والمتعادة والمتعادية والمتعادية والمتعادية والمتعادية والمتعادية والمتعا		
Name of station Classification of station Elevation	Access road	Site and office	Equipment room	Electric power	Tower and antenna	Remarks
G. Membuku Microwave repeater station 418 m	Commonly use with Trans- Sulawesi digital microwave project	Same as description in "Access road".	Same as description in "Access road".	In this project, if it is necessary, additional equipment will be provided.	Commonly use with Trans- Sulawesi digital microwave project	Standby bearer will be commonly use with Trans-Sulawesi microwave system.
Buyungboyo Microwave repeater station 185 m	Same as above	Same as above	Same as above	Same as above	Same as above	Same as above
G. Dingge Microwave repeater station 922 m	Same as above	Same as above	Same as above	Same as above	Same as above	Same as above
Buyum Pondori Microwave repeater station 510 m	Same as above	Same as above	Same as above	Same as above	Same as above	Same as above
Pegunungan Sampuraga Microwave repeater station 1,392 m	Same as above	Same as above	Şame as above	Same as above	Same as above	Same as above

2-6 (3/4) Plan-2 Status-quo of Radio Station (Sulawesi Side)

Name of station Classification of station Elevation	Access road	Site and office	Equipment room	Electric power	Tower and antenna	Remarks
G. Bonepute Microwave repeater station 98 m	Commonly use with Trans- Sulawesi digital microwave project	Same as description in "Access road".	Same as description in "Access road".	In this project, if it is necessary, additional equipment will be provided.	Commonly use with Trans- Sulawesi digital microwave project	Standby bearer will be commonly use with Trans-Sulawesi microwave system.
Lagego Microwave repeater station 93 m	Same as above	Same as above	Same as above	Same as above	Same as above	Same as above
G. Brian Kunit Microwave repeater station 237 m	Same as above	Same as above	Same as above	Same as above	Same as above	Same as above
B. Sampodo Microwave repeater station 62 m	Same as above	Same as above	Same as above	Same as above	Same as above	Same as above
Lampuara Microwave repeater station 3 m	Same as above	Same as above	Same as above	Same as above	Same as above	Same as above

2-6 (4/4) Plan-2 Status-quo of Radio Station (Sulawesi Side)

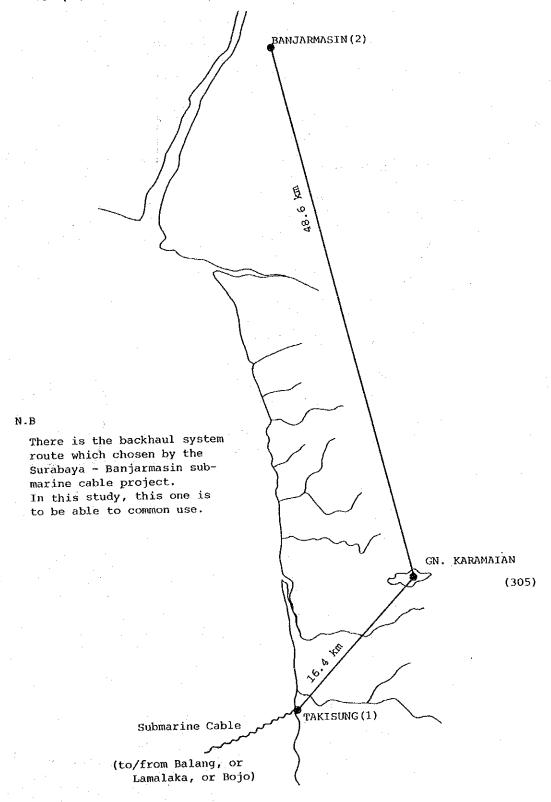
Name of station Classification of station Elevation	Access road	Site and office	Equipment room	Electric power	Tower and antenna	Remarks
Buntusirring Microwave repeater station 362 m	Commonly use with Trans- Sulawesi digital microwave project	Same as description in "Access road".	Same as description in "Access road".	In this project, if it is necessary, additional equipment will be provided.	Commonly use with Trans- Sulawesi digital microwave project	Standby bearer will be commonly use with Trans- Sulawesi microwave system.
Kolampu Microwave repeater station 50 m	Same as above	Same as above	Same as above	Same as above	Same as above	Same as above
G. Patirosompa	Regarding Patirosompa, Barojan	ng, Tomporadang, and Makkroewa s	station, refer to Plan-IC (Sular	vesi Side)		
G. Makkaroewa						
Ujung Pandang Microwave terminal station	Regarding Ujung Pandang termin	al station, refer to Plan-lA (S	ulawesi Side)			

2-7 Plan-2' Status-quo of Radio Station (Kalimesi Side)

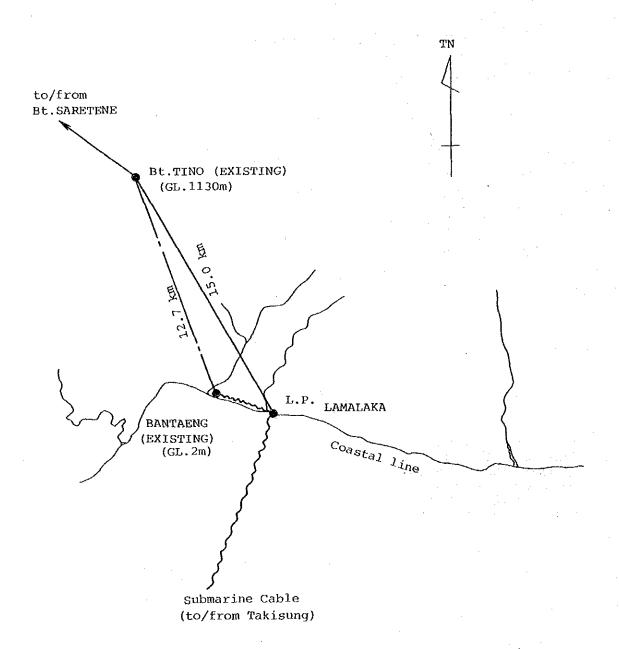
Name of station Classification of station Elevation	Access road	Site and office	Equipment room	Electric power	Tower and antenna	Remarks
Banjarmasin - Banjarbaru, G. Binuang - Tanjung, Tangl Grogot - Balikpapan	As these are existing stations of 2GHz system, no problem for access road.	As this is existing station of 2GHz system (some portion is under-constructing), it is possible to use commonly, as for the increasing of bearers.	Supposing possible to install commonly in the room for 5 bearers.	In this project, together with increasing bearers, if it is necessary, additional equipment will be provided.	For the existing tower of terminal station additional antenna dish x 1 For the existing tower of repeater station additional antenna dish x 2 will be required.	All-over of 2GHz system will be utilized generally.
Marabahan Microwave repeater station	Same as above	Same as above	Same as above	Same as above	80m height tower (SST) is existing. Antenna dish 4mø, 2mø are mounted on it. Each antenna height is 80m and 48m respectively.	Same as above
G. Halat Microwave repeater station 720 m			Detail information are not cle	ear.		

3. Route Map of Backhaul Subsystem

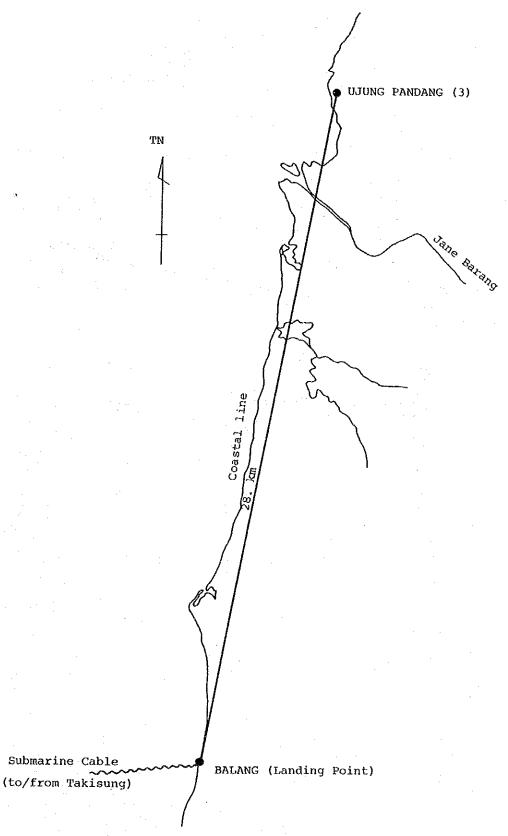
3-1 (Takisung) Backhaul Subsystem Route for Plan-1A or 1B or 1C (Kalimantan Side)



3-2 (Lamalaka) Backhaul Subsystem Route for Plan-1A (Sulawesi Side)

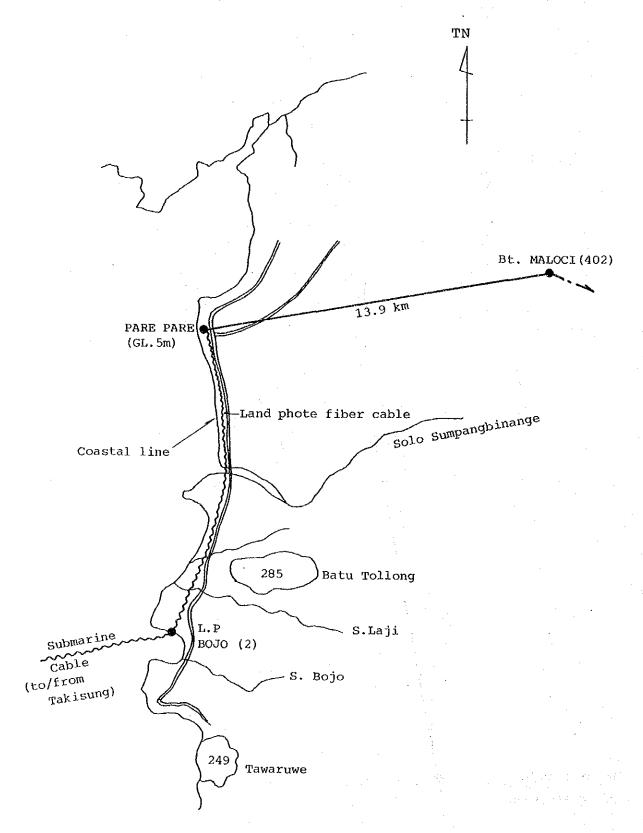


3-3 (Balang) Backhaul Subsystem Route for Plan-1B (Sulawesi Side)

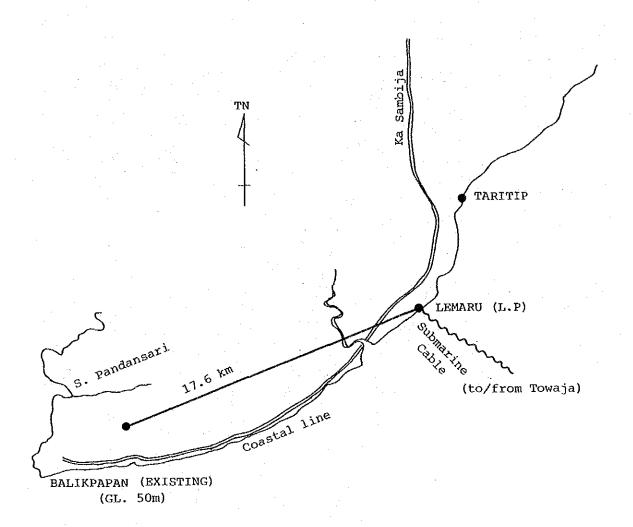


Submarine Cable

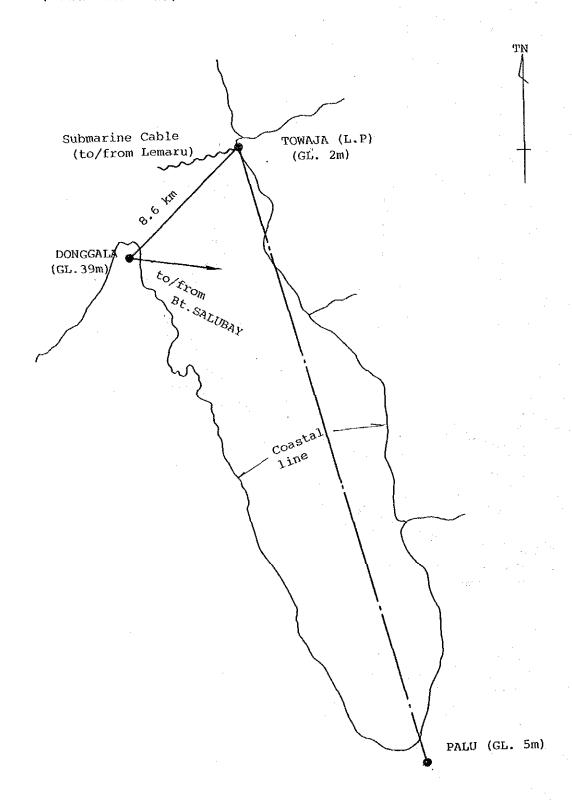
3-4 (Bojo) Backhaul Subsystem Route for Plan-1C (Sulawesi Side)



3-5 (Lemaru) Backhaul Subsystem Route for Plan-2 (Kalimantan Side)



3-6 (Towaja) Backhaul Subsystem Route for Plan-2 (Sulawesi Side)



ANNEX VII INFORMATION ON ECONOMIC/FINANCIAL ANALYSIS

1. Results of Calculation by Macro-economic Model Formula

- 1-1 Real Civil Consumer Expenses
- 1-2 Real Fixed Capital
- 1-3 Real Import
- 1-4 Real National Gross Product
- 1-5 Real National Benefit
- 1-6 Gross National Product Deflator
- 1-7 Market Price Index
- 1-8 Civil Final Consumer Deflator
- 1-9 Fixed Capital Deflator
- 1-10 Import Deflator

2. Relationship between Industries

- 2-1 Classification of Industries
- 2-2 1983 Relationship between Industries
- 2-3 1983 Investment Factor

3. Financial Data on (280 Mbps x 2)

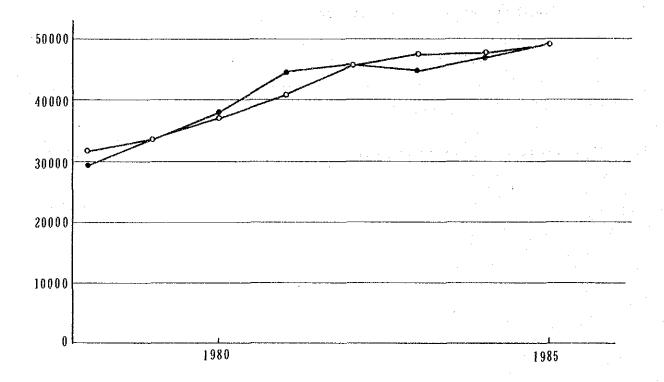
1. Results of Calculation by Macro-economic Model Formula

1-1 Real Civil Consumer Expenses

.... Least Square Method
(1978-1985)

CP.RI = +5382.60 + 0.16574 NI.RI + 0.67899 CP.RI (-1)
(0.83) (0.52) (1.83)

Correlation Factor = 0.89414 Standard Error = 2272.64 Durbin Watson Ratio = 1.449

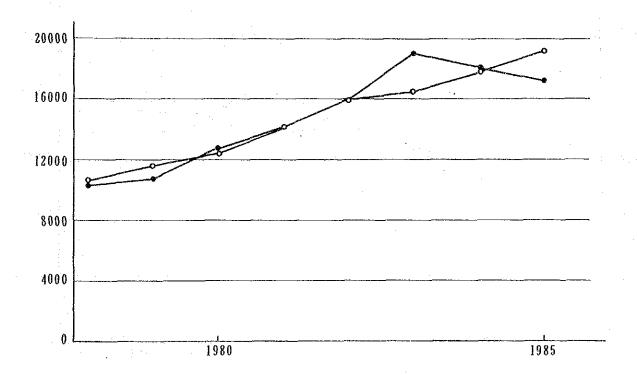


Name Formula: CP.RI

1-2 Real Fixed Capital

.... Least Square Method (1978-1985) IP.RI = -5399.22 + 0.32921 GNP.RI (-1) (-1.57) (5.90)

Correlation Factor = 0.82828 Standard Error = 1377.30 Durbin Watson Ratio = 1.590



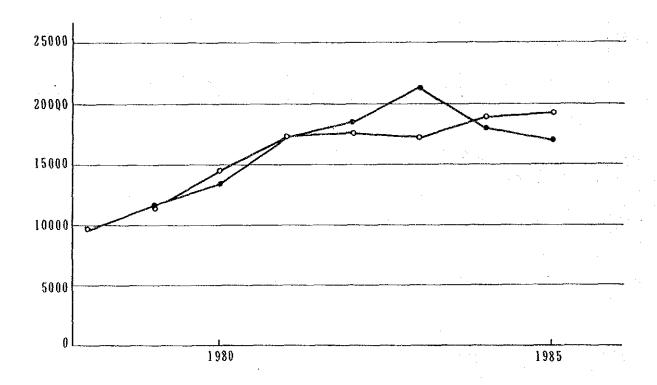
Name Formula: IP.RI

1-3 Real Import

.... Least Square Method (1978-1985)

LOG M.RI = -14.0707 + 2.48417 LOG GDP.RI - 0.58343 LOG DER.I (-2.74) (3.91) (-1.62)

Correlation Factor = 0.78743 Standard Error = 0.12 Durbin Watson Ratio = 1.642

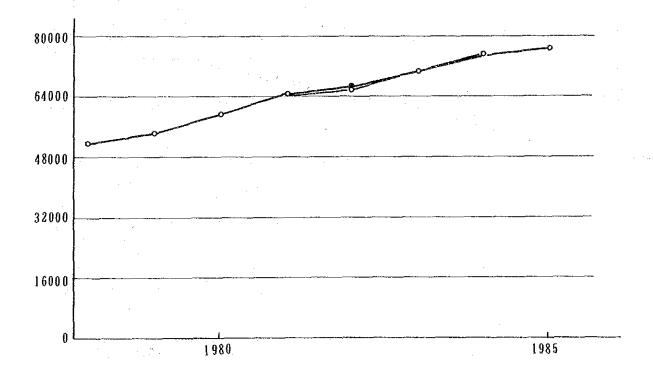


Name Formula: M.RI

1-4 Real National Gross Product

.... Least Square Method (1978-1985) GNP.RI = +1307.52 + 0.94137 GDP.RI (1.05) (52.29)

Correlation Factor = 0.99735 Standard Error = 473.67 Durbin Watson Ratio = 1.984

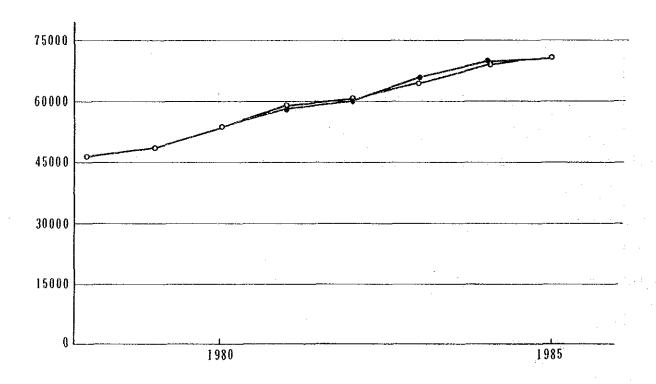


Name Formula: GNP.RI
Black point: Real Value
White point: Estimate

1-5 Real National Benefit

.... Least Square Method (1978-1985) NI.RI = -5057.93 + 0.98940 GNP.RI (-2.48) (31.57)

Correlation Factor = 0.99302 Standard Error = 762.22 Durbin Watson Ratio = 1.616



Name Formula: NI.RI

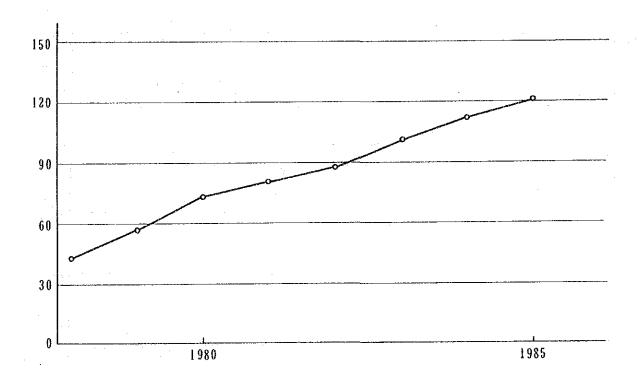
1-6 Gross National Product Deflator

.... Least Square Method (1978-1985) PGNP.I = -0.52871 + 1.00471 PGDP.I (-3.07) (512.46)

Correlation Factor = 0.99997

Standard Error = 0.14

Durbin Watson Ratio = 2.397

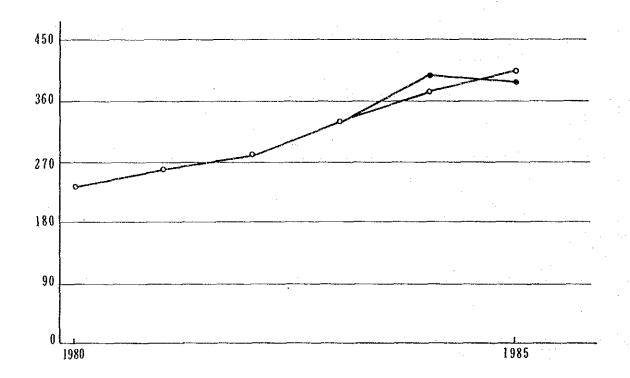


Name Formula: PGNP.I

1-7 Market Price Index

.... Least Square Method
(1980-1985)
WPI.I = -33.8708 + 3.62939 PGNP.I
(-0.96) (10.02)

Correlation Factor = 0.95207 Standard Error = 14.92 Durbin Watson Ratio = 2.680



Name Formula: WPI.I

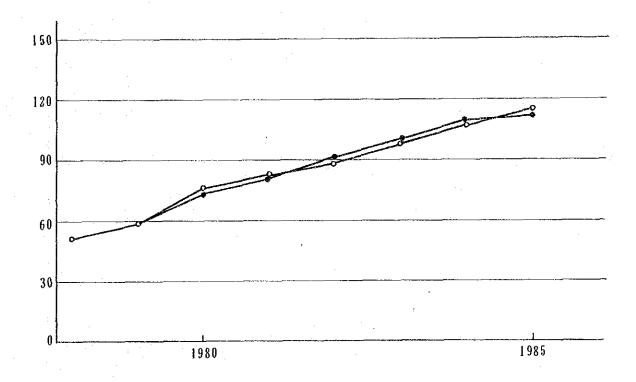
Black point: Real Value

White point: Estimate

1-8 Civil Final Consumer Deflator

.... Least Square Method (1978-1985) PCP.I = +22.8964 + 0.56415 PCG.I + 0.0561841 WPI.I (3.49) (4.64) (2.89)

Correlation Factor = 0.97949 Standard Error = 3.23 Durbin Watson Ratio = 1.508



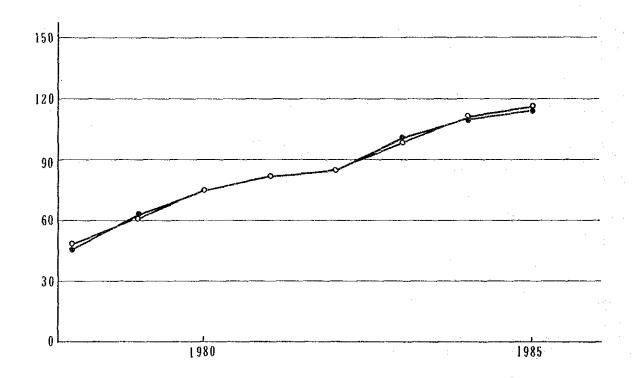
Name Formula: PCP.I

1-9 Fixed Capital Deflator

.... Least Square Method
(1978-1985)

PIP.I = +6.73653 + 0.83495 PM.I + 0.0239820 WPI.I
(1.44) (9.83) (1.85)

Correlation Factor = 0.99278 Standard Error = 1.99 Durbin Watson Ratio = 2.094

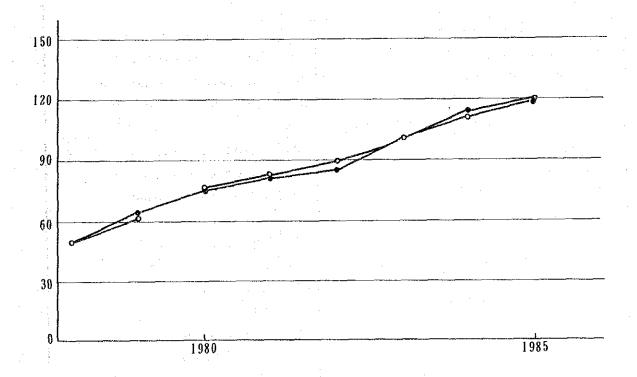


Name Formula: PIP.I

1-10 Import Deflator

.... Least Square Method
(1978-1985)
PM.I = 11.3549 + 0.88866 PGNP.I
(3.57) (24.52)

Correlation Factor = 0.98847 Standard Error = 2.56 Durbin Watson Ratio = 1.410



Name Formula: PM.I

Black point: Real Value

White point: Estimate

2. Relationship between Industries

2-1 Classification of Industries

No.	Category	No.	Category
1	Paddy	204	Indirect tax
2	Other food crops	205	Subsidy
3	Other agricultural crops	206	Gross value added
4	Livestock and its product	210	Total input
5	Forestry		
6	Fishery		
7	Mining and quarrying		(Final Demand)
8	Food beverage and tobacco	301	Private expenditure
9	Other industries	302	Government expenditure
10	Oil refinary	303	Fixed gross formation
11	Electricity, gas and water supply	304	Charge in stock
12	Construction	305	Export of goods
13	Trade	306	Export of service
14	Restaurant and hotel	309	Total final demand
15	Transport	310	Total demand
16	Communication	401	Import of goods
17	Financing, real estate and	402	Import sales tax
	business service	403	Import duty
18	Public administration and defence	404	Subsidy
19	Service	405	Import of service
20	Unspecified sector	409	Total import
190	Intermediate total	600	Total output
		700	Total supply
	(Valuable Added)		
201	Wage and salary		
202	Operating surplus		
203	Depreciation		

2-2 (1/4) Relationship between Industries (1983) TXANSACTION TABLE AT PRODUCER'S PRICES, 20=20 (MILLION RUPIANS)

STOCK S FORESTRY	5040.4 9448.0 9548.0 10138.3 10153.9 1227.3 227.3 227.2 1321.2 1321.2 1321.2 1321.2 1321.2 23378.4 1321.2 23378.5 1321.2 23378.7 2035.1 2037.8 11822.6 1285.7 11822.6 1285.7 11822.6 1285.7 11822.6 1285.7 11822.6 1285.7 11822.6 1285.7 11822.6 11882.6 11882.6 11882.6 11882.6 11882.6 11882.6 11882.6 11882.6 11882.6 11882.6 11882.6 11888.8 11882.6 11888.8 118888.8 118888.8 11888.8 11888.8 11888.8 11888.	1881.4 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0
5 4 LIVES		
3 AGRI CROPS	58 11 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	2000694 435144 435144 435144 435144 135163 140048 1
2 FOUD CROPS	1035167.7 1.33184.3 1.6420.7 1.865.5 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	7 XINING GUARKY 0.0 0.0 0.0 0.0 0.0 0.0 0.0 111.4 74165.2 13299.8 13299.8 13299.8 13299.8 13299.8 13299.8 13299.8 13298.1 13299.8 13298.1 13299.8 13298.1 13299.8 13291.5 13366.0 109168.1 1404771.6 1404771.6 1404771.6 1404771.6 124367.3 16667.3 16667.3 16667.3
1 PADDY	88 2 24 28 3 2 4 38 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	P. I.S. IER. I 8.59.3. G 8.59.3. G 8.59.3
5	1 PANDY 2 OTHER FOOD 3 CHER FOOD 3 CHER FOOD 6 FINIERY 6 FINIERY 10 OIL REFHERN 10 OIL REFHERN 11 ELECTRICTTY 12 CONSTRUCTION 13 TRADE 14 RESTAURNT 15 CONSTRUCTION 13 TRADE 16 CONNUCCATULITY 16 CONNUCCATULITY 16 CONNUCCATULITY 17 FINANCIATION 18 PUBLIC ADXII 19 SERVICE 20 UNSFECTIFED 20 UNSFECTIFED 20 OPERROTITION 10 OFFECTIFED 20 OFFECTIFED 21 OFFECTIFED	1 PARDY 2 OTHER AGGREGATURAL CROPS 3 OTHER AGGREGALITURAL CROPS 4 LIVESTOCK & 1TS PRODUCT 5 FARESTRY 6 FASHERY 7 HANGING & QUARRYING 8 FOOD BEVERAGE & TABACCO 9 OTHER INDUSTRIES 10 OLL REFINERY 11 ELECTRICITY, GAS, WATER SUP 12 CONSTRUCTION 13 TRADE 14 RESTAURNT & BOTEL 15 TRADE 16 COMMUNICATION 17 FIRALSPORT 16 COMMUNICATION 17 FIRALSPORT 18 PUBLIC ADMIN & DEFENCE 18 SERVICE 20 UNSPECIFIED SECTOR 180 TOTAL (HERHEDIATE INPUT 201 WAGE'S ANARY 205 SURSIBY 205 GERRECIATION 206 SURSIBY 209 GROSS VALUE ADDED

2-2 (2/4) Relationship between Industries (1983)

	15 TRAKSPORT	125.6 3865.4 3865.4 1021.1 128.4 138031.1 138031.1 16382.8 16382.8 16382.8 16382.8 16382.8 16382.8 16382.8 15164.4 151	20 UNSPECIFIED	
	14 RESTAURANT	25550.9 259550.3 259550.3 37550.9 37550.9 47731.4 47731.4 47431.4 44485.9 115269.3 12569.3 12569.3 12569.3 12569.3 12569.3 12569.3 12569.3 10569.3 10569.3 10569.3 10569.3 10569.3 10569.3 10569.3 10569.3 10569.3 10569.3 10569.3	19 SERVICE	248648.3 2552.2 2552.2 2552.2 248648.3 233483.0 233483.0 233483.0 255764.1 255768.5 155768.5 155768.5 155768.5 155768.5 155768.5 155768.5 155768.5 157614.8 157614.3
(HILLION RUPIANS)	13 TRADE	6 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	18 PUBLIC ADMIN.	2344689 5 24689 5 24689 5 24689 5 24689 5
TRANSACTION TABLE AT PRODUCER'S PRICES, 20+20	12 CONSTRUCTION	18384.2 169.5 169.5 169.5 2149466.5 648604.5 648604.5 1003915.1 27283.4 27283.4 102417.7 102417.7 102417.7 102417.7 102417.7 1347283.0 1347283.0 125148.0 125148.0 125148.0	17 FINANCING	44484 44484 44484 6391-7 150318-4 150318-4 23356-2 23356-2 21101-6 417553-5 37710-0 417553-5 179553-5 179553-5 179553-5 179553-5 179553-5 179553-5 179553-5 179553-5 179550-5 179553-5 1
	11 ELECTRICITY SUP	29 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.	16 COHMUNICATION	00000000000000000000000000000000000000
	SECTOR DESCRIPTION	2 OTHER FOLD CROPS 3 UTHER FOLD CROPS 3 UTHER AGRICULTURAL CROPS 4 LIVESTOCK & ITS PROUGT 5 FORESTRY 5 FORESTRY 6 FISHERY 7 HINING & TABACCO 9 OTHER HADISTRIES 10 OIL REFINERY 11 ELECTRILITY, GAS. WATER SUP 12 CONSTRUCTION 13 TRADE 14 RESTAURANT & ROTEL 15 FINANCIAL RALL ESTAIR 16 CONMUNICATION 17 FINANCIAL RALL ESTAIR 18 FURLIC ABBLIC	SECTOR DESCRIPTION	1 PADDY 2 OTHER FORD CROPS 3 OTHER ACRICULTURAL CROPS 4 LIVESTOCK & ITS PRODUCT 5 FORESTRY 6 FISHERY 7 HINING & DUARRYING 8 FOOD BRYERAGE & TABACCO 9 OTHER INDUSTRIES 10 OIL REFINERY 11 ELECTRICITY, GAS. WATER SUP 12 CONSTRUCTION 13 TRADE 14 RESTAURANT & HOTEL 15 TRADE 16 COMMUNICATION 17 FIRANCHIG REAL ESTATE ETC 18 PUBLIC ADMIN, & DEFENCE 19 SERVICE 20 UNSPECIFIED SECTOR 19 OTAL INTERNEDIATE INPUT 201 WAGE & SALARY 202 UNSPECIFIED SECTOR 19 OTAL INTERNEDIATE INPUT 203 DEFRECIATION 204 INDIDECT TAX 205 SUBSIDY 209 GROSS VALUE ADDED

2-2 (3/4) Relationship between Industries (1983)

(HILLION KUPIANS)

TRANSACTION TABLE AT PRODUCER'S PRICES, 20+20

401 IMPORT OF GOODS 301 PRIVATE EXPEND 302 GOVERNHENT EXD 303 GROSS FORMATION 304 CHAGE IN STOCK 310 TOTAL DENAHD 305 EXPORT OF GOODS 308 EXPORT OF SERV. 309 TOTAL FIN DEN 112529.9 3772078.5 18645078.5 10464577.3 9034847.3 823836.7 12250488.5 6224152.7 695932.3 1288992.3 190 TOTAL INT DEN 3323691.1 7089823.5 722693.4 722693.4 722693.4 749529.3 8142581.3 1638509.0 5062608.0 36628.0 2387555.5 2387555.5 128101.0 15702860.8 745324 10 DIL REFNERY
11 ELECTRICITY, GAS, WATER SUP
12 CONSTRUCTION
13 TRADE
14 RESTAURANT & NOTEL
15 TRANSPORT
16 COMMUNICATION
17 FINANCING, REAL ESTATE ETC
18 PUBLIC ADMIN. & DEFENCE
19 SERVICE
20 UNSPECIFIED SECTOR
190 TOTAL INTERMEDIATE INPUT
201 WAGE & SALARY
202 OPERATING SURPLUS
203 DEPRECIATION
204 INDIDECT TAX
205 SUBSIDY
206 GROSS WALUE ADDED DESCRIPTION DESCRIPTION SECTOR

TRAHSACTION TABLE AT PRODUCER'S PRICES, 20-20 (RILLION RUPIANS)

409 TOTAL IMPORT		1130693.0 1101931.0 112341.5 136031.5 154575.4 10469023.3	
405 IMPORT OF SERV. 4	60000000000000000000000000000000000000	-133698.6 -161931.0 -12341.5 -118225.0 -51296.8 -287737.4	
404 SUBSIDY		0,0000000 0,000000	
TAX 403 IMPORT DUTY		0.0 0.0 0.0 0.0 -5.2 -512.4 -405900.0	3435221 34471802.0 1954267.5 1958477.4 1011827.7 1011827.7 1113682.5 15111982.5 15111982.5 15111988.2 15111988.2 171588.9 277589.9 277589.9 277589.9 277589.3 27
402 IMPORT SALS I	11 11 11 11 11 11 11 11 11 11 11 11 11	0.0 0.0 0.0 0.0 -2.4 -239.4 -177500.0	24285221 19255223 19255223 19255223 19255223 19255223 1925523 19231111 1923111115 1923284777 20115087 20115087 20115087 20115087 20115087 20115087 20115087 20115087 20115087 20115087 20115087 20115087 20115087 20115087 20115087 20115087 20115087 20115087
CTOR BESCRIPTION A	1 PADDY 2 OTHER FOED CROPS 3 OTHER AGRICULTURAL CROPS 4 LIVESTOCK & ITS PRODUCT 5 FORESTRY 6 FISHERY 7 HINNEG & OUARRYING 8 FOOD BEVERAGE & TADACCO 9 OTHER INDUSTRIES 10 OIL REFINERY 11 ELECTRICITY GAS, WATER SUP 12 CONSTRUCTION	TRADE TRANSPORT COMMUN CATION TIANGTON COMMUN CATION FUNCTANGREAL ESTATE ETC SERVICE SERVICE SERVICE TOTAL INTERMEDIATE INPUT TOTAL INTERMEDIATE	1 PADDY 2 OTHER AGRICULTURAL CROPS 3 OTHER AGRICULTURAL CROPS 5 FORESTAY 6 FISUERY 7 HIGHTOL QUARRYING 8 FOUD SEFFERS 10 OTHER INDUSTRIES 10 OTHER INDUSTRIES 10 OTHER INDUSTRIES 11 ELECTRICITY; das, WATER SUP 12 CONSTRUCTION 13 TRADE 14 RESTAURANT & HOTEL 15 TRANSPORT 16 CONNINICATION 17 FIRMACHIGERAL ESTATE ETC 18 PUDDIC ADMIN. & DEFENCE 18 PUDDIC ADMIN. & DEFENCE 20 UNSPECIFIED SECTOR 20 UNSPECIFIED SECTOR 20 UNSPECIFIED SECTOR

2-3 (1/4) Investment Factor (1983)

5 FORESTRY	0.000000000000000000000000000000000000	10 OIL REFINERY 0.000000 0.0000000 0.00000000 0.0000000
4 LIVESTOCK	0.000000000000000000000000000000000000	9 INDUSTRIES 0.0001816 0.0001816 0.0001819 0.0001819 0.0001819 0.00181
3 AGRI CROPS	0.000000 0.000000 0.0000000 0.0000000 0.000000	8 FOOD BEVERAGE 0.342604 0.057761 0.057761 0.004341 0.005130 0.005130 0.005130 0.005105 0.005
2 FOOD CROPS	0.02397 0.02397 0.000000 0.00001385 0.00000000 0.000000000000000000000000	7 HINING GUARRYIG 0.000000 0.0000000 0.0000000 0.0000000 0.0000000 0.0000000 0.0000000 0.0000000 0.0000000 0.00000000
1 PADOY	0.0000000 0.0000000 0.0000000 0.0000000 0.000000	FISHERY 0.000000 0.00000000 0.000000000000
SECTOR DESCRIPTION	1 PADDY 2 OTHER PEND CROPS 3 OTHER AGRICULTURAL CROPS 4 LIVESTOCK & ITS PRODUCT 5 FORESTRY 6 FISHERY 7 HIMLING & DUARRYING 8 FOUR BEYERAGE & TABACCO 9 OTHER INDUSTRIES 10 OTHER INDUSTRIES 11 ELECTRICITY CAS. WATER SUP 12 COUNSTRUCTION 13 TRANSORT 14 RESTAURANT & HOTEL 15 TRANSORT 16 COHMUNICATION 17 FINAUCING, RIAL ESTATE ETC 19 SERVICE 19 SERVICE 20 UNDERCIPED SECTOR 20 UNDERCIPED SE	1 PADDY 2 DTHER FUDD CROPS 2 DTHER AGRICULTURAL CROPS 3 OTHER AGRICULTURAL CROPS 4 LIVESTUCK & ITS PRODUCT 5 FORESTOR 7 MINING & QUARRYING 8 FOOD BEYERGE & TABACCO 9 OTHER INDUSTRIES 10 DIL REFINERY 11 ELECRRICITY (AS, WATER SUP 12 CONSTRUCTION 13 TRADE 14 RESTAURANT & HOTEL 15 TRADE 16 CONSTRUCTION 17 FURNINGATION 17 FURNINGATION 18 FURNINGATION 18 FURNINGATION 19 FURNINGATION 10 THRESPICIFIED SECTOR 19 FURNINGATION 20 URSPECIFIED SECTOR 19 SERVICE 20 URSPECIFIED SECTOR 20 URSPECIFIED SECTOR 20 URSPECIFIED SECTOR 20 URSPECIFIED SECTOR 20 URSPECIFIED SUPPRESSION 20 URSPECIFIED SUPPRESSION 20 URSPECIFIED SUPPRESSION 20 GROSS WALUE ADDED

2-3 (2/4) Investment Factor (1983)

15 TRANSPORT	0.000000000000000000000000000000000000	31413	000000000000000000000000000000000000000
14 RESTAURANT	0.000000 0.04000 0.04000 0.050150 0.050150 0.0502021 0.0502022 0.0502022 0.013884 0.013884 0.013884 0.013884 0.013884 0.013884 0.013884 0.013884 0.013884 0.013884 0.013884 0.013884 0.013884 0.013884 0.004874 0.004875 0.004875 0.033738 1.000000	301	0.000000000000000000000000000000000000
13 TRADE	0.000002 0.000016 0.000016 0.000016 0.000015 0.000015 0.005587 0.005587 0.005587 0.005587 0.005587 0.005587 0.005587 0.005587 0.005587 0.005587 0.005587 0.005587 0.005587 0.005587 0.005587 0.005587 0.005587 0.005587 0.005587 0.005787	IC ADH	
12 CONSTRUCTION	0 000000 0 000000 0 000000 0 000000 0 000000	HC I NG	0.000000 0.000000 0.000000 0.000000 0.000000
1 ELECTRICITY SUP	0.000000000000000000000000000000000000	æ. ≌7	0.000000 0.000000 0.000000 0.000000 0.000000
ECTOR DESCRIPTION 1	1 PADDY 2 OTHER AGRICULTURAL CROPS 3 OTHER AGRICULTURAL CROPS 4 LIVETTUCK & ITS PRODUCT 5 FORKSTRY 6 FISHERY 7 HIHHMG A UNARRYING 9 OTHER HIDDSTRIES 10 OIL REFINERY 11 COUSTRUCTION 13 TRADE 14 RESTARRAIT & HOTEL 15 TRANENT 16 CONTROLTION 17 TRANENT 18 FURLIC ADMIN. & DEFENCE 18 FURLIC ADMIN. & DEFENCE 19 SERVICE 20 UNSPECIFIED SECTOR 19 TALL HITERHEDIATE HPUT 201 MGG & SALARY 202 OPERATING SURPLUS 203 DEFRECIATION 204 INDIDECT TAX 205 SURSIDY 205 SURSIDY 210 TOTAL HETHER	ECTOR DESCRIPTION	1 PADDY 2 OTHER FOOD CROPS 3 OTHER FOOD CROPS 4 LIVESTUCK & ITS PRODUCT 5 FORESTRY 6 FISHERY 7 HIRID & DUARRYING 8 FOUD BEVERREE & TABACCO 9 OTHER HADDISTRIES 10 OTH RETHIERY AAS. WATER SUP 11 ELECTRICITY, CAS. WATER SUP 12 CONSTRUCTION 13 TRANSFORT 14 ESTARRATT & HOTEL 15 TRANSFORT 16 CONSTRUCTION 17 FINANCING FRAL 15 TRANSFORT 18 FUBLIC ADMIN & DEFENCE 10 SERVICE 10 OPERATING SURPLUS 201 DEPRESIDATE 201 HATER HEDIATE 202 OPERATING SUBSIDA 203 GROSS VALUE ADDED

AIJ TABLE, 20=20

304 CHAGE IN STOCK	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	409 TOTAL IMPORT	0.000000000000000000000000000000000000
303 GROSS FORMATION	10000000000000000000000000000000000000	310 TOTAL DEHAND	0.0039 0.0051555 0.0021355 0.0021355 0.013666 0.013666 0.013666 0.013666 0.013666 0.013666 0.013666 0.013666 0.013666 0.013666 0.013666 0.013666 0.013666 0.013666 0.013666 0.013666 0.0136666 0.0136666 0.0136666 0.0136666 0.0136666 0.0136666 0.01366666 0.01366666666666666666666666666666666666
302 GOVERNHENT EXD	0.00000 0.000000 0.0001798 0.000000 0.000000 0.000000 0.000000 0.013233 0.013533 0.0102588 0.010258 0.	309 TOTAL FIN DEM	0.001914 0.0011914 0.001110 0.017195 0.015315 0.015855 0.105855 0.01585 0.0158
301 PRIVATE EXPEND	0.000000000000000000000000000000000000	S 306 EXPORT OF SERV.	0.000000000000000000000000000000000000
BO TOTAL INT DEM	0.0093171 0.0093171 0.0093171 0.00153711 0.0015483 0.0015483 0.0015483 0.0016711 0.0016711 0.0016711 0.0016711 0.0016711 0.016711 0.0016711	305 EXPORT OF GOOD	0.000000 0.000000 0.000000 0.000000 0.000000
SECTOR DESCRIPTION 19	1 PANDY 2 OTHER FOUD CROPS 3 OTHER AGRICULTHRAL CROPS 4 LIVESTOCK & ITS PRODUCT 5 FORESTRY 6 FISHERY 7 HINING & QUARRYING 8 FOOD BRYERAGE & TABACCO 9 OTHER HADDSTRIES 10 OIL REFINERY 11 ELECTRICITY, GAS, VATER SUP 12 CONSTRUCTION 13 TRADE 14 RESTAURANT & HOTEL 15 TRADE 16 CONTRICTION 17 FIRANCING, REAL ESTATE ETC 18 FURLIC ADVIR. & DEFENCE 19 SERVICE 19 FIRANCING, REAL ESTATE ETC 19 FIRANCING, REAL ESTATE ETC 19 FIRANCING, SURPLUS 200 OPERATING SURPLUS 201 UNSPECIFIED SECTOR 201 UNGE & SALARY 201 UNGE & SALARY 201 UNGE SURPLUS 202 OPERATING 201 HAPLE 201 HAPLE 201 HAPLE 202 OPERATING 201 HAPLE 201 H	SECTOR DESCRIPTION 3	1 PADDY 2 OTHER FORD CROPS 3 OTHER ASSICULTURAL CROPS 4 LIVESTOCK & ITS PRODUCT 5 FORESTY Y 6 FISHERY 6 FISHERY 7 HINING & DUARRYING 8 FOOD BEYERAGE & TABACCO 9 OTHER 1HIDISTRES 10 OIL REFHERY 11 ELECTRICITY, GAS, VATER SUP 12 CONSTRUCTION 13 TRANSIONT 14 RESTAURANT & HOTEL 15 CONSTRUCTION 16 CONSTRUCTION 17 FIRMSTORT 16 CONSTRUCTION 17 FIRMSTORT 18 FULLIC ADMIN. & DEFENCE 19 SERVICE 19 SERVICE 20 DNSPECIPLED SECTOR 19 OTHER 1HTERHEDIATE 1NFUT

AIJ TABLE, 20=20

TOTAL SUFFEI	039599	051535	041986	022236	018740	011650	169855	081864	174152	033737	006033	086808	073474	028186	043482	003198	035818	77	045084	004101	000000
	o.	-	•	•			•	•	•	Ö	•	•	•		Ö	•	•	0	Ö	Ö	-4
•											٠										
	0.045033	5659	٥.	.02517	-	0	, 18401		0.114410	٠	.00686	.09871	•	.03034	.04733	,00347	•	,03234	0.050554	0.00000.0	1.000000
				1							۵.										
	¥004	THER FOOD CROPS	THER AGRICULTURAL CROPS	& ITS PRO	FORESTRY	ISHERY		30 00	OTHER INDUSTRIES	II. REFINERY	CECTR ICITY	OHSTRUCTION	TRADE	ESTAURANT & NOTEL		OHMUNICATION	AL ESTATE	BLIC ADMIN. &	SERVICE	_	OTAL INTERMEDIATE INPUT
		0			S.				-	_		_	•			9	17	1.8		20	190

3. (1/12) Financial Data on (280 Mbps x 2)

(Year)	r) 1990	1661	1992	1993	1994	1995	1996	1997	1998	1999	2000
E.							ż				
2. IELEPHONE 3. INSTALLATION	0	0	0	0	128	309	350	401	442	494	523
	0	0	0	0			245	316			260
S. SIDD CALL S. (SIR TOWN!)	o c	0 0	φc	00	10,763	14,094	17,425	20,756	24,087	27,418	30,823
됩	0	00	0	00	7-1	וֹ כֹּי	2,883	3,435	'n	ું જ	5,19
8. TOTAL REVENUE	o	0	0	o			20,903	24,908	28,902	32,928	37,010
9. OPERATION COSTS	0	0	0	0	2,142	2,142	2,142	2,142	2,142	2,142	2,142
10. DEPRECIATION	-				-		:				
11. SUBMARINE	φc	00	0 0	00	3,439	3,439	3,439	3,439	3,439	3,439	3,439
4 '	00	9 0	00	0	4,562	4,562	4,562	4,562	4,78	000	0 0
14. (TOTAL DEPRECIATION)	0	0	0	0	•		-	8,480		3,941	3,941
15. GROSS PROFIT	0	0	0		2,168	6,304	10,281	14,286	18,279	26,845	30,927
16. INTEREST										٠	
	0.0	00	00	00	13,675	13,675	13,675	13,675	13,675	13,675	12,307
19. (TOTAL INTEREST PAID)	0	0	0	,0	13,675	14,038	13,948	13,675	13,675	13,675	12,037
20. NET PROFIT B/TAX	0	Ø	0	0	-11,507	-7,734	-3,667	611	4,604	13,170	18,620
21. LOSS CARRYOVER	0	0	0	0	-11,507	-7,734	-3,667	٥	0	0	٥
22. INCOME TAX	0	0	0	0	0	0	0	٥	0		4,933
23. NET PROFIT A/TAX	0	0	0	0	-11,507	-7,734	-3,667	611	4,604	13,170	13,687
24. ACCUMULATE NET PROFIT A/TAX	0	0	0	0	-11,507	-19,241	-22,908	-22,297	-17,693	-4,523	9,164
25. TAXABLE INCOME(1)	0	0	0	:	14,040	10,459	6,607	2,265			
26. TAXABLE INCOME(2)	0	0	0	0	0	14,040	24,499	31,106	33,371	0	
27. TAXABLE INCOME(3)	0	0	Ø	0	0	O	17,066	8,872	2,265	0	J
28. TAXABLE INCOME(4)	0	0	0	0	0	0	-17,066	-8,872	-2,265	O	φ.
29. TAXABLE INCOME(5)	01	0	0	0		0	34,132	17,744	4,530	0	0

3. (2/12) Financial Data on (280 Mbps x 2)

********* INCOME STATEMENT *******

We will be the state of the sta	(Year)	2001	2002	2003	2004	2002	2006	2007	2008	2009	2010	2011
1. REVENUE									:			
•		564	604	644		720	720	720	۳	720	774	774
5. SLDD CALL		36,672		45,925		52,723	80.7	57,064	36,	ને ત્ને	63,465	65,524
6. (SUB TOTAL)		37,888	42,654	47,427	52,207	54,477	6,711	58,944	61,178	63,412	65,592	67,719
		43,950		55,015		63,193	65,784	68,375	70,966	ີ້ຕົ	76,086	78,554
9. OPERATION COSTS		2,142	2,142	2,142	2,142	2,142	2,142	2,142	2,142	2,142	2,142	2,142
10. DEPRECIATION		ć	c	C	e		C			i		
		554 554	554 554	5.851 5.54	5.831 5.54	5,851 554	554 554	5.87. 5.54	5,851 556	394	1,87, 39,4	394
14. (TOTAL DEPRECIATION)	_	4,405	4,405	4,405	4,405	4,405	4,405	4,405	4,407	4,245	4,245	4,245
15. GROSS PROFIT		37,403	42,931	48,468	54,013	56,646	59,237	61,828	64,417	67,170	669,69	72,167
16. INTEREST 17. LONG-TERM		12,218	169,01	9,164	7,636	6,109	4,582	3,054	1,527	0	0	
18. SHORT-TERM 19. (TOTAL INTEREST PAID)	ĵ.	12,218	169,01	9,164	7,636	601,9	4,582	3,054	1,527	00	00	0 0]
20. NET PROFIT B/TAX		25,185	32,240	39,304	46,377	50,537	54,655	58,774	62,890	67,170	669,69	72,167
21. LOSS CARRYOVER		0	0	0	O	0	0	0	O	0	0	0
22. INCOME TAX		8,279	11,284	13,756	16,231	17,687	19,129	20,570	22,011	23,509	24,394	25,258
23. NET PROFIT A/TAX		16,906	20,956	25,548	30,146	32,850	35,526	38,204	40,879	43,661	45,305	46,909
24. ACCUMULATE NET PROFIT A/TAX	A/TAX	15,377	36,333	61,881	92,027	124,877	160,403	198,607	239,486	283,147	328,452	375,361
25. TAXABLE INCOME(1)		0	0	0	0	0	0	0	O	0	0	0
26. TAXABLE INCOME(2)		8,872	2,265	0	Ö	0	0	0	0	0	0	0
27. TAXABLE INCOME(3)		0	0	0	0	0	0	Ċ,	0	0	0	0
28. TAXABLE INCOME(4)		0	0	0	0	Ο.	0	0	0	0	0	Φ,
29. TAXABLE INCOME(5)		00	00	00	00	00	00	00	00	00	00	00
			·	, 	>			5		>	>	>

3. (3/12) Financial Data on (280 Mbps x 2)

53,550 160,365 1,578 161,943 166,855 56,406 16,009 26,018 1,258,996 1,301,023 208,152 1,509,175 752,467 405,169 5,846,390 33,371 1,319,570 -33,371 1,157,627 TOTAL 849 1,994 85,661 88,504 14,160 2,142 65,340 100,522 35,182 817,807 2019 89,948 1,920 1,920 82,869 85,638 13,702 99,340 2,142 89,948 58,467 6,856 394 7,250 31,481 752,467 2018 849 1,846 80,077 82,772 13,243 96,015 89,628 31,369 2,142 3,851 4,245 89,628 58,259 694,000 2017 86,303 1,772 77,285 79,906 12,784 92,690 86,303 2,142 4,245 30,206 56,097 3,851 635,741 2016 849 1,698 74,493 77,040 12,326 89,366 82,979 4,245 82,979 2,142 29,042 53,937 579,644 2015 27,848 774 1,624 71,701 74,099 11,855 85,954 4,245 51,719 2,142 79,567 79,567 525,707 2014 774 1,556 69,642 71,972 11,515 83,487 2,142 4,245 77,100 77,100 50,115 26,985 473,988 2013 74,633 48,512 8,872 774 1,488 67,583 69,845 11,175 81,020 2,142 4,245 26,121 3,851 74,633 423,873 2012 ******* INCOME STATEMENT ****** (Year) 24. ACCUMULATE NET PROFIT A/TAX 16. INTEREST 17. LONG-TERM 18. SHORT-TERM 19. (TOTAL INTEREST PAID) DEPRECIATION
SUBMARINE
MICROMAVE
I.D.C.
(TOTAL DEPRECIATION) 29. TAXABLE INCOME(5)
29.1 TAXABLE INCOME (5.5) TELEPHONE
INSTALLATION
RENTAL
SIDD CALL
(SUB TOTAL)
OTHERS
TOTAL REVENUE 26. TAXABLE INCOME(2) 27. TAXABLE INCOME(3) 28. TAXABLE INCOME(4) 25. TAXABLE INCOME(1) 20. NET PROFIT B/TAX 23. NET PROFIT A/TAX OPERATION COSTS 21. LOSS CARRYOVER GROSS PROFIT 22. INCOME TAX 435.55 35. o,

3. (4/12) Financial Data on (280 Mbps x 2)

******* CASH FLOW STATEMENT ********

	(Year)	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
4	. SOURCE OF FUND											
5	PAID-IN SHARE CAPITAL	298	530	515	225	0	0	0	0	0	Ö	0
'n	LONG-TERM DEBT	23,780	51,700	37,355	14,441	0	0	0	0	0	0	0
4	SHORT-TERM DEBT	0	0	0	0	4,625	5,669	2,861	0	0	0	0
'n	NET PROFIT A/TAX	0	0	0	0	-14,040	-10,459	-6,607	-2,265	2,599	11,108	18,135
Ġ	DEPRECIATION	0	0	0	0	9,415	9,415	9,415	9,415	8,888	4,405	4,405
7.	(TOTAL SOURCE OF FUND)	24,078	52,230	37,870	14,666	0	4,625	5,669	7,150	11,487	15,513	22,540
ά	8. APPLICATION OF FIRM											
6	CAPITAL COSTS								-			
10	SUBMARINE	22,471	46,082	26,787	940	·O	0	0	0	0	0	٥
Ħ.	MICROWAVE	1,607	3,294	2,025	186	0	0	0	0	1,197	0	0
12.	(TOTAL CAPITAL COSTS)	24,078	49,376	28,812	1,126	a	0	0	0	1,197	0	0
[]	INTEREST DURING CONSTRUCTION	0	2,854	850'6	13,540							
		٠								,		
4.	14. Repayment											
15.	LONG-TERM	a	0	0	0	0	0	0	0	0	12,728	12,728
9	SHORT-TERM	٥	0	o	0	0	4,625	5,669	2,861	0	ဂ	٥
17	(TOTAL REPAYMENT)	0	0	0	0	0	4,625	5,669	2,861	0	12,728	12,728
18	18. TOTAL APPLICATION OF FUND	24,078	52,230	37,870	14,666	0	4,625	5,669	2,861	1,197	12,728	12,728
				: 1						- '		
5	19. SURPLUS CASH	0	٥	0	0	0	0	0	4,289	10,290	2,785	9,812
20.	20. ACCUMULATE SURPLUS CASH	o	0	0	0	о	0	0	4,289	14,579	17,364	27,176
l												

3. (5/12) Financial Data on (280 Mbps x 2)

******** CASH FLOW STATEMENT ********

	(Year)	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011
1. SOURC	1. SOURCE OF FUND								\$- : :			
2. PAID	PAID-IN SHARE CAPITAL	0	0	0	0	0	. 0	0	0	O	O	0
3. LONG	LONG-TERM DEBT	0	0	0	0	0	0	0	0	0	0	0
4. SHOR	SHORT-TERM DEBT	0	0	0	0	0	0	0	, O	0	0	0
5. NET	NET PROFIT A/TAX	16,906	20,956	25,548	30,146	32,850	35,526	38,204	40,879	43,661	45,305	46,909
6. DEPR	DEPRECIATION	4,405	4,405	4,405	4,405	4,405,	4,405	4,405	4,407	4,245	4,245	4,245
7. (TOT	(TOTAL SOURCE OF FUND)	21,311	25,361	29,953	34,551	37,255	39,931	42,609	45,286	47,906	49,550	51,154
										e ^a	-	
8. APPLI	8. APPLICATION OF FUND					٠						
9. CAPI	CAPITAL COSTS										•	
10. SUB	SUBMARINE	0	0	0	0	0	0	0	0	0	0	О
11. MIC	MICROWAVE	0	0	0	0	0	0	0	5,905	0	0	O
12. (TOI	(TOTAL CAPITAL COSTS)	0	0	0	0	0	0	0	5,905	0	0	0
13. INTER	INTEREST DURING CONSTRUCTION											
14. REPAYMENT	MENT											
15. LONG	LONG-TERM	12,728	12,728	12,728	12,728	12,728	12,728	12,728	12,724	0	0	0
16. SHOR	SHORT-TERM	O	0	0	0	0		0	٥	0	0	0
17. (TOI	(TOTAL REPAYMENT)	12,728	12,728	12,728	12,728	12,728	12,728	12,728	12,724	0	0	0
18. TOTAL	18. TOTAL APPLICATION OF FUND	12,728	12,728	12,728	12,728	12,728	12,728	12,728	18,629	0	0	Ö
19. SURPLUS CASH	US CASH	8,583	12,633	17,225	21,823	24,527	27,203	29,881	26,657	47,906	49,550	51,154
20. ACCUR	20. ACCUMULATE SURPLUS CASH	35,759	48,392	65,617	87,440	111,967	139,170	169,051	195,708	243,614	293,164	344,318

Financial Data on (280 Mbps x 2) 3. (6/12)

******* CASH FLOW STATEMENT *******

754,144 5,787,592 1,030,521 65,340 00 65,340 819,484 65,340 2019 58,467 7,250 0000 65,717 754,144 65,717 2018 58,259 4,245 0 62,504 62,504 688,427 2017 4,245 60,342 60,342 625,923 56,097 2016 53,937 4,245 00 0 58,182 58,182 565,581 2015 4,245 0 507,339 51,719 00 55,964 55,964 2014 50,115 4,245 54,360 451,435 54,360 2013 48,512 397,075 4,245 0 00 52,757 0 52,757 O O 2012 13. INTEREST DURING CONSTRUCTION (Year) 18. TOTAL APPLICATION OF FUND 19. SURPLUS CASH 20. ACCUMULATE SURPLUS CASH (TOTAL SOURCE OF FUND) PAID-IN SHARE CAPITAL (TOTAL CAPITAL COSTS) 8. APPLICATION OF FUND (TOTAL REPAYMENT) NET PROFIT A/TAX SHORT-TERM DEBT LONG-TERM DEBT SOURCE OF FUND CAPITAL COSTS DEPRECIATION MICROWAVE SUBMARINE SHORT-TERM LONG-TERM REPAYMENT 17 6 15. 16 12. 14. w. 4. 7.65

14,214

110,494

96,280

127,276 13,155 140,431 276,377

13,155

752,467 136,055

127,276

TOTAL

3. (7/12) Financial Data on (280 Mbps x 2)

ASSETS 1,000 1,0														
ASSETS CURRENT ASSETS CURRENT ASSETS CURRENT ASSETS 22,471 68,553 95,340 96,280 96,280 96,280 96,280 LID.C. LO.C. 2,954 11,912 25,452 2			(Year)	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
CURRENT ASSETS CURRENT ASSETS CURRENT ASSETS SUBMAINE LID.C. LESS DEFRECIATION O 2,854 11,912 7,122 7,122 7,												1,000		
CURRENT ASSETS SUBMAINE FIXED ASSETS SUBMAINE LOCATION MICROMAVE LID.C. LESS DEPRECIATION O 2,854 11,912 25,452 25,452 25,452 25,452 1,0014 100,599 1,000	1. ASSETS				./ -								7	
FIXED ASSETS SUBGRAINE MICROMAVE 1,607 4,901 6,926 7,112 7,	2. CURREN	T ASSETS		0	0	0	0	•	6	0	4,289	14,570	17,364	27,176
NICKOMANE 1,607 4,901 6,926 7,112 7,112 7,112 7,112 7,112 1,012 1.D.C. 0 2,854 11,912 25,452 25,4		ASSETS		:								 		
MICROMAVE I.607 4,901 6,926 7,112 7,112 7,112 7,112 I.D.C. 0 2,854 11,912 25,452 25	4. SUEMA	RINE		22,471		95,340	96,280	96,280	96,280	96,280	96,280	96,280	96,280	96,280
I.D.C. 0 2,854 11,912 25,452 25,245 25,452	5. MICRO	WAVE		1,607	•	6,926	7,112	7,112	7,112	7,112	7,112	8,309	8,309	8,309
ILESS DEPRECIATION	6. I.D.C			0		11,912	25,452	25,452	25,452	25,452	25,452	25,452	25,452	25,452
NET FIXED ASSETS 24,078 76,308 114,178 128,844 119,429 110,014 100,599 TOTAL ASSETS 24,078 76,308 114,178 128,844 119,429 110,014 100,599 LIABILITIES 0 4,625 5,669 2,861 2,861 2,861 2,861 2,727 127,276 127,276 127,276 127,276 127,276 127,276 127,276 130,137 1 1,568 1,568 1,568 1,568 1,568 1,568 1,568 1,568 1,568	7. LESS	DEPRECIATION		0	0	0	Ö	9,415	18,830	28,245	37,660	46,548	50,953	55,358
TOTAL ASSETS 24,078 76,308 114,178 128,844 119,429 110,014 100,599 110,014 100,599 110,014 100,599 110,014 100,599 110,014 100,599 110,014 100,599 100,699 1		FIXED ASSETS		24,078	76,308	114,178	128,844	119,429	110,014	100,599	91,184	83,493	79,088	74,683
LIABILITIES CURRENT LIABILITIES CURRENT LIABILITIES CURRENT LIABILITIES LONG-TERM DEBT TO BE PERAID IN A YEAR TO BE PERAID IN A YEAR SHORT-TERM DEBT O 0 0 0 4,625 5,669 2,861 TOTAL CURRENT LIABILITIES 23,780 75,480 112,835 127,276 127,276 127,276 127,276 TOTAL LIABILITIES 23,780 75,480 112,835 127,276 132,945 130,137 EQUITY EQUITY PAID-IN SHARE CAPITAL 298 828 1,343 1,568 1,568 -12,472 -22,931 -29,538 TOTAL EASTEND EARNING O 0 0 0 -14,040 -24,499 -31,106 TOTAL EQUITY 298 828 1,343 1,568 -12,472 -22,931 -29,538	9. TOTAL	ASSETS		24,078		114,178	128,844	119,429	110,014	100,599	95,473	98,072	96,452	101,859
CURRENT LIABILITIES CURRENT LIABILITIES CONG-TERM DEBT TO BE REPAID IN A YEAR TO BE REPAID IN A YEAR SHORT-TERM DEBT O O O O O O O O O O O O O					e e	1				-				
CURRENT LIABILITIES LONG-TERM DEBT TO BE REPAID IN A YEAR TO BE REPAID IN A YEAR SHORT-TERM DEBT O O O O O O O O O O O O O	-1	TIES										•		
TO BE REPAID IN A YEAR TO BE REPAID IN A YEAR SHOKT—TERM DEBT O O O O O 4,625 5,669 2,861 TOTAL CURRENT LIABILITIES 23,780 75,480 112,835 127,276 127,276 127,276 127,276 127,276 127,276 132,945 130,137 EQUITY PAID—IN SHARE CAPITAL 298 828 1,343 1,568 1,568 1,568 1,568 -12,472 -22,931 -29,538		NT LIABILITIE	SS.											
TO BE REPAID IN A YEAR SHORT—TERM DEBT 0 0 0 4,625 5,669 2,861 COTAL CURRENT LIABILITIES 0 0 0 4,625 5,669 2,861 COTAL CURRENT LIABILITIES 23,780 75,480 112,835 127,276 127,2		-TERM DEBT		0	0	0	O	0	0	0	O	12,728	12,728	12,728
SHORT-TERM DEBT 0 0 4,625 5,669 2,861 TOTAL CURRENT LIABILITIES 0 0 4,625 5,669 2,861 FIXED LIABILITIES 23,780 75,480 112,835 127,276 127,276 127,276 127,276 127,276 127,276 127,276 127,276 127,276 127,276 127,276 137,276 137,276 137,276 137,276 137,276 137,276 137,276 137,276 137,276 137,276 137,276 137,276 137,276 137,276 137,276 137,276 137,276 137,276 130,137 1 EQUITY 298 828 1,343 1,568<	TO E	E REPAID IN A	1 YEAR											
TOTAL CURRENT LIABILITIES 13,780 75,480 112,835 127,276 127,2		T-TERM DEBT		0	0	0	0	4,625	5,669	2,861	0	0	0	0
FIXED LIABILITIES 23,780 75,480 112,835 127,276 127,276 127,276 127,276 127,276 127,276 127,276 127,276 127,276 127,276 127,276 127,276 131,901 132,945 130,137 120,137 12,835 127,276 131,901 132,945 130,137 12,831 1,568 1,		CURRENT LIAE	3ILITIES	0	0	0	0	4,625	5,669	2,861	0	12,728	12,728	12,728
FOTAL LIABILITIES 23,780 75,480 112,835 127,276 131,901 132,945 130,137 1 EQUITY PAID—IN SHARE CAPITAL 298 828 1,343 1,568 1,568 1,568 1,568 1,568 1,568 1,568 1,106 -24,499 -31,106 -20,1472 -22,931 -29,538 -10,1472 -22,931 -29,538 -		LIABILITIES		23,780	75,480	112,835	127,276	127,276	127,276	127,276	127,276	114,548	101,820	89,092
EQUITY PAID-IN SHARE CAPITAL 298 828 1,343 1,568 1,568 1,568 -24,499 -31,106 -10,472 -22,931 -29,538		LIABILITIES		23,780		112,835	127,276	131,901	132,945	130,137	127,276	127,276	114,548	101,820
PAID-IN SHARE CAPITAL 298 828 1,343 1,568 1,568 1,568 1,568 8 RELATED EARNING 0 0 0 -14,040 -24,499 -31,106 -101AL EQUITY 298 828 1,343 1,568 -12,472 -22,931 -29,538 -	17. EOUTT												e.	
RELATED EARNING 0 0 0 0 -14,040 -24,499 -31,106 - TOTAL EQUITY 298 828 1,343 1,568 -12,472 -22,931 -29,538 -	ł	IN SHARE CAPI	TAL	298	828	1,343	1,568	1,568	1,568	1,568	1,568	1,568	1,568	1,568
TOTAL EQUITY 298 828 1,343 1,568 -12,472 -22,931 -29,538 -		ED EARNING		0	0		0	-14,040	-24,499	-31,106	-33,371	-30,772	-19,664	-1,529
		EQUITY		298	828	1,343	1,568	-12,472	-22,931	-29,538	-31,803	-29,204	~18,096	33
21. LIABILITIES & EQUITY 24,078 76,308 114,178 128,844 119,429 110,014 100,599 95	21. LIABII	iries & equil	Ł	24,078		114,178	128,844	119,429	110,014	100,599	95,473	98,072	96,452	101,859
								Ì						

3. (8/12) Financial Data on (280 Mbps x 2)

********* BALANCE SHEET *******

(Year)	ar) 2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011
1. ASSETS 2. CURRENT ASSETS 3. DIVEN ASSETS	35,759	48,392	65,617	87,440	111,967	139,170	169,051	195,708	243,614	293,164	344,318
4. SUEWARINE 5. MICROWAVE 6. I.D.C. 7. LESS DEPRECIATION	22,471 8,309 25,452 59,763	68,553 8,309 25,452 64,168	95,340 8,309 25,452 68,573	96,280 8,309 25,452 72,978	96,280 8,309 25,452 77,383	96,280 8,309 25,452 81,788	96,280 8,309 25,452 86,193	96,280 14,214 25,452 90,660	96,280 14,214 25,452 94,845	96,280 14,214 25,452 99,090	96,280 14,214 25,452 103,335
8. NET FIXED ASSETS 9. TOTAL ASSETS	70,278	65,873	61,468	57,063 144,503	52,658	48,253 187,423	43,848 212,899	45,346 241,054	41,101	36,856	32,611 376,929
10. LIABILITIES 11. CURRENT LIABILITIES 12. LONG-TERM DEBT TO BE REPAID IN A YEAR	12,728	12,728	12,728	12,728	12,728	12,728	12,724	• o ₁	0	0	0
€ -114 1		12,728	12,728	0 12,728 38,180	12,728	12,728	12,724	000	0000	000	000
<pre>16. TOTAL LIABILITIES 17. EQUITY 18. PAID-IN SHARE CAPITAL</pre>	89,092 89,092 1,568	76,364	63,636	50,908	38,180	25,452	12,724	1,568	1.568	0 0 1.568	C 85.
internal free	15,377	36,333	61,881	92,027	124,877	160,403	198,607	239,486	283,147 284,715	328,452	375,361 376,929
21. LIABILITIES & EQUITY	106,037	114,265	127,085	144,503	164,625	187,423	212,899	241,054	284,715	330,020	376,929

Financial Data on (280 Mbps x 2) 3. (9/12)

	(Year)	2012	2013	2014	2015	2016	2017	2018	2019	TOTAL
H.	ASSETS	*				-1				
2, €	CURRENT ASSETS	397,075	451,435	507,399	565,581	625,923	638,427	754,144	819,484	5,787,592
W.	. FIXED ASSETS	. •		e L						
4.	SUBMARINE	96,280	96,280	96,280	96,280	96,280	96,280	96,280	96,280	2,689,644
'n	MICROHAVE	14,214	14,214	14,214	14,214	14,214	14,214	14,214	14,214	288,438
9	I.D.C.	25,452	25,452	25,452	25,452	25,452	25,452	25,452	25,452	676,518
	LESS DEPRECIATION	107,580	111,825	116,070	120,315	124,560	128,805	136,055	136,055	1,990,935
œ	NET FIXED ASSETS	28,366	24,121	19,876	15,631	11,386	7,141	-109	-109	1,663,665
9	TOTAL ASSETS	425,441	475,556	527,275	581,212	637,309	695,568	754,035	819,375	7,451,257
•							• !			•
10.	10. LIABILITIES		1	. • • .		ut.				-
ij	CURRENT LIABILITIES									
12.	LONG-TERM DEBT	0	0	0	0	0	0	0		127,276
	TO BE REPAID IN A YEAR									
13.	SHORT-TERM DEBT	0	0	0	0	0	0	•	0	13,155
14.	TOTAL CURRENT LIABILITIES	0	0	0	0	0	0	0	0	140,431
15.	FIXED LIABILITIES	0	0	0	0	0	0	0	-127,276	1,421,199
16.	TOTAL LIABILITIES	0	0	0	0	0	0	0	-127,276	1,561,630
17. E	17. EQUITY									-
18.	PAID-IN SHARE CAPITAL	1,568	1,568	1,568	1,568	1,568	1,568	1,568	1,568	43,237
.61	RELATED EARNING	423,873	473,988	525,707	579,644	635,741	694,000	752,467	817,807	5,846,390
20.	TOTAL EQUITY	425,441	475,556	527,275	581,212	637,309	695,568	754,035	819,375	5,889,627
	21. LIABILITIES & BOUITY	425,441	475 556	774 775	681 717	27 300	משצ צפש	754 025	607 000	7 151 257

3. (10/12) Financial Data on (280 Mbps \times 2)

******* INTERNAL RATE OF RETURN *******

EIRR = 0.2003474 * 100%

EIKK = 0.20034/4 7 100%									•	
(Year)	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
1. CASH IN-FLOW 2. TELEPHONE REVENUE 3. CTHER REVENUE 4. CONSUMER'S SURPLUS 5. TOTAL IN-FLOW	0000	0000	0000	0000	11,026 1,764 1,730 14,520	14,592 2,334 2,187 19,113	18,020 2,883 2,697 23,600	21,473 3,435 3,208 28,116	24,915 3,986 3,719 32,621	28,387 4,541 4,231 37,159
6. CASH OUT-FLOW 7. CAPITAL COSTS 8. OPERATION COSTS 9. TOTAL OUT-FLOW	24,078 0 24,078	49,376 0 49,376	28,812 0 28,812	1,126	2,142 2,142	2,142 2,142	2,142	2,142 2,142	1,197 2,142 3,339	2,142 2,142
10. ANNUAL CASH FLOW 11. ACCUMULATE ANNUAL CASH FLOW 12. DISCOUNTED CASH FLOW 13. ACCUMULATE DISCOUNTED CASH FLOW 14. DISCOUNT RATE	-24,078 -24,078 -24,078 -24,078	-49,376 -73,454 -41,134 -65,212 0.8330921	-28,812 -102,266 -19,996 -85,208 0.6940425	-1,126 -103,392 -651 -85,859 0.5782013	12,378 -91,014 5,962 -79,897 0.4816950	16,971 -74,043 6,810 -73,087 0.4012963	21,458 -52,585 7,173 -65,914 0.3343168	25,974 -26,611 7,234 -58,680 0,2785167	29,282 2,671 6,794 -51,886 0,2320301	35,017 37,688 6,768 -45,118 0,1933024
FIRR = 0.1821405 %					·					
(Year)	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
1. CASH IN-FLOW 2. TELEPHONE REVENUE 3. OTHER REVENUE 4. TOTAL IN-FLOW	000	000	000	000	11,026 1,764 12,790	14,592 2,334 16,926	18,020 2,883 20,903	21,473 3,435 24,908	24,916 3,986 28,902	28,387 4,541 32,928
5. CASH OUT-FLOW 6. CAPITAL COSTS 7. OPERATION COSTS 8. TOTAL OUT-FLOW	24,078 0 24,078	49,376 0 49,376	28,812 0 28,812	1,126	2,142 2,142	0 2,142 2,142	0 2,142 2,142	2,142	1,197 2,142 3,339	2,142 2,142
9. ANNUAL CASH FLOW 10. ACCUMULATE ANNUAL CASH FLOW 11. DISCOUNTED CASH FLOW 12. ACCUMULATE DISCOUNTED CASH FLOW 13. DISCOUNT RATE	-24,078 -24,078 -24,078 -24,078	-49,376 -73,454 -41,768 -65,846 0.8459230	-28,812 -102,266 -20,617 -86,463 0,7155858	-1,126 -103,392 -681 -87,144 0.6053305	10,648 -92,744 5,452 -81,692 0.5120630	14,784 -77,960 6,403 -75,289 0,4331659	18,761 -59,199 6,874 -68,415 0.3664250	22,766 -36,433 7,056 -61,359 0.3099674	25,563 -10,870 6,702 -54,657 0.2622086	30,786 -47,829 -47,829 0,2218083
		*								

3. (11/12) Financial Data on (280 Mbps x 2)

********** INTERNAL RATE OF RETURN *******

EIRR = 0,2003474 * 100%

9007 : F/E0007*0 ******* YZT4	ρ	-								
(Year)) 2000	2001	2002	2003	2004	2005	2006	2007	2008	2009
1. CASH IN-FLOW 2. TELEPHONE REVENUE 3. OTHER REVENUE 4. CONSUMER'S SURPLUS 5. TOTAL IN-FLOW	33,128 5,300 5,187 43,615	37,888 6,062 5,940	42,654 6,824 6,697 56,175	47,427 7,588 7,457 62,472	52,207 8,353 8,243 68,803	54,477 8,716 8,446 71,639	56,711 9,073 8,793 74,577	58,944 9,431 9,140 77,515	61,178 9,788 9,506 80,472	63,412 10,145 9,856 83,413
6. CASH OUT-FLOW 7. CAPITAL COSTS 8. OPERATION COSTS 9. TOTAL OUT-FLOW	0 2,142 2,142	0 10,421 10,421	0 13,426 13,426	0 15,898 15,898	0 18,373 18,373	19,829 19,829	0 172,12 21,271	22,712 22,712	5,905 24,153 30,058	25,651 25,651
10. ANNUAL CASH FLOW 11. ACCUMULATE ANNUAL CASH FLOW 12. DISCOUNTED CASH FLOW 13. ACCUMULATE DISCOUNTED CASH FLOW 14. DISCOUNT RATE	41,473 79,161 6,678 -38,440 0,1610387	39,469 118,630 5,295 -33,145 0.1341601	42,749 161,379 4,777 -28,368 0,1117677	46,574 207,953 4,336 -24,032 0.0931128	50,430 258,383 3,911 -20,121 0.0775715	51,810 310,193 3,348 -16,773 0.0646242	53,306 363,499 2,869 -13,904 0.0538379	54,803 418,302 2,458 -11,446 0.0448519	50,414 468,716 1,833 -9,563 0.0373658	57,762 526,478 1,798 -7,765 0.0311291
FIRE = 0.1821405 %			: '	:			:			
(Year)	, 2000	2001	2002	2003	2004	2005	2006	2007	2008	2009
1. CASH IN-FLOW 2. TELEPHONE REVENUE 3. OTHER REVENUE 4. TOTAL IN-FLOW	33,128 5,300 38,428	37,888 6,062 43,950	42,654 6,824 49,478	47,427 7,588 55,015	52,207 8,353 60,560	54,477 8,716 63,193	56,711 9,073 65,784	58,944 9,431 68,375	61,178 9,788 70,966	63,412 10,145 73,557
5. CASH OUT-FLOW 6. CAPITAL COSTS 7. OPERATION COSTS 8. TOTAL OUT-FLOW	2,142 2,142	0 10,421 10,421	13,426 13,426	0 15,898 15,898	0 18,373 18,373	19,829 19,829	21,271 21,271	0 22,712 22,712	5,905 24,153 30,058	0 25,651 25,651
9. ANNUAL CASH FLOW 10. ACCUMULATE ANNUAL CASH FLOW 11. DISCOUNTED CASH FLOW 12. ACCUMULATE DISCOUNTED CASH FLOW 13. DISCOUNT RATE	36,286 56,202 6,808 -41,021 0.1876327	33,529 89,731 5,321 -35,700 0.1587228	36,052 125,783 4,840 -30,860 0.1342673	39,117 164,900 4,442 -26,418 0,1135798	42,187 207,087 4,053 -22,365 0.0960798	43,364 250,451 3,524 -18,841 0.0812761	44,513 294,964 3,060 -15,781 0.0687533	45,663 340,627 2,655 -13,126 0.0581600	40,908 381,535 2,012 -11,114 0.0491989	47,906 429,441 1,993 -9,121 0.0416185

3. (12/12) Financial Data on (280 Mbps x 2)

****** INTERNAL RATE OF RETURN *******

EIRR = 0.2003474 * 100%

TOTAL	1,301,023 208,152 201,859 1,711,034	110,494 458,710 569,204	1,141,830 10,079,714 463 -859,301 5.9612954		TOTAL	1,301,023 208,152 1,509,175	110,494 458,710 569,204	939,971 8,080,150 594 -902,185 6,4395817
2019	88,504 14,160 13,743 116,407	37,324 37,324	79,083 1,220,913 396 859 0.0050130		2019	88,504 14,160 102,664	37,324 37,324	65,340 1,005,311 510 1,104 0,0078089
2018	85,638 13,702 13,300 112,640	33,623 33,623	79,017 1,141,830 475 463 0,0060173		2018	85,638 13,702 99,340	33,623 33,623 33,623	65,717 939,971 606 594 0,0092313
2017	82,772 13,243 12,857 108,872	33,511 33,511	75,361 1,062,813 544 -12 0.0072229		2017	82,772 13,243 96,015	33,511 33,511	62,504 874,254 682 -12 0.0109127
2016	79,906 12,784 12,413 105,103	32,348 32,348	72,755 987,452 630 -556 0.0086700		2016	79,906 12,784 92,690	32,348 32,348	60,342 811,750 778 -694 0.0129003
2015	77,040 12,326 11,969 101,335	31,184 31,184	70,151 914,697 730 -1,186 0.0104070		2015	77,040 12,326 89,366	31,184 31,184	58,182 751,408 887 -1,472 0.0152500
2014	74,099 11,855 11,511 97,465	29,990 29,990	67,475 844,546 842 -1,916 0.0124920		2014	74,099 11,855 85,954	0 29,990 29,990	55,964 693,226 1,008 -2,359 0.0180277
2013	71,972 11,515 11,179 94,666	29,127 29,127	65,539 777,071 982 -2,758 0,0149947		2013	71,972 11,515 83,487	0 29,127 29,127	54,360 637,262 1,158 -3,367 0.0213113
2012	69,845 11,175 10,847 91,867	28,263 28,263	63,604 711,532 1,144 -3,740 0.0179989		2012	69,845 11,175 81,020	28,263 28,263	52,757 582,02 1,329 -4,525 0.0251929
2011	67,719 10,835 10,539 89,093	27,400	61,693 647,928 1,332 -4,884 0,0216049		2011	67,719 10,835 78,554	27,400 27,400	51,154 530,145 1,523 -5,854 0,0297816
2010	65,592 10,494 10,207 86,293	26,536 26,536	59,757 586,235 1,549 -6,216 0.0259334		2010	65,592 10,494 76,086	0 26,536 26,536	49,550 478,991 1,744 -7,377 0,0352060
(Year)	1. CASH IN-FLOW 2. TELEPHONE REVENUE 3. OTHER REVENUE 4. CONSUMER'S SURPLUS 5. TOTAL IN-FLOW	6. CASH OUT-FLOW 7. CAPITAL COSTS 8. OPERATION COSTS 9. TOTAL OUT-FLOW	10. ANNUAL CASH FLOW 11. ACCUMULATE ANNUAL CASH FLOW 12. DISCOUNTED CASH FLOW 13. ACCUMULATE DISCOUNTED CASH FLOW 14. DISCOUNT RATE	FIRE = 0.1821405 %	(Year)	1. CASH IN-FLOW 2. TELEPHONE REVENUE 3. OTHER REVENUE 4. TOTAL IN-FLOW	5. CASH OUT-FLOW 6. CAPITAL COSTS 7. OPERATION COSTS 8. TOTAL OUT-FLOW	9. ANNUAL CASH FLOW 10. ACCUMULATE ANNUAL CASH FLOW 11. DISCOUNTED CASH FLOW 12. ACCUMULATE DISCOUNTED CASH FLOW 13. DISCOUNT RATE

