10.2 Recommendations for Project Implementation

Telecommunications, especially the provision of a subscriber network, is obviously very important for modern economic and social development to facilitate various kinds of activities in the country. On the other hand, as seen in the result of the technical and financial/economic analysis contained in the report, this Project is feasible as a public telecommunication service project. In a national economic sense also, its implementation is desirable.

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The recommendation is hereby made that all sellected Subscriber Stations (189 Subscriber Stations) in 18 Areas as shown in para. 10.1 should be implemented as planned and in strict accordance with the implementation schedule.

The followings are the main points of recommendation as regards the project execution and technical aspects related to the implementation of this Project.

1) Recommendations for Project Execution

and the analysis of the second

- a) Harmonious project execution with the other projects which are now being conducted by PERUMTEL in Jakarta.
- b) Direct management and supervision of the work by PERUMTEL concerning the work from the second to fourth phase which is explained in para 8.2 of Chapter 8.
- c) Acquisition of advanced permission by PERUMTEL for the installation of equipment/material for the system in Subscriber Stations.
- d) Alternative Project Implementation Plan

AND THE STATE OF T

As can be seen in para. 8.3 of Chapter 8, it is also possible that the following three (3) cases will be adopted as an alternative project implementation plan with due consideration of various kinds of surrounding circumstances and conditions for the implementation of this Project.

- 1 Alternative case 1 only No. 1 group (SM-2, SM-1, GB-1, GB-2)
- 2 Alternative case 2 only No. 1 and No. 2 group

 (SM-2, SM-1, GB-1, GB-2, KAL, KB, SLP, CPP,

 PLM, JT)

The type for all the country to the tipe of the country of the particular design of the country of the country of

CARL STATE OF THE CONTRACT OF STATE

Committee of the commit

3 Alternative case 3 only SM-1, GB-1 and GB-2 of No. 1 group

Project implementation schedule, project cost and internal rate of return for each of the above are shown in Attachment-9.

- 2) Recommendations on Technical Aspects
- a) Antenna Towers and the model of the second of the secon

Antennas to be used for this Project are to be installed on existing towers and/or towers now under construction in subject Switching Centers. If towers are not available for this Project, the areas for tower construction shall be considered.

and the province the first of the residence and residence of against the same of the contract of the same of the

- b) System
 - i) Common Antenna

For the purpose of efficient application of the P-MP System, antennas are to be concentrated as much as possible for common use.

For example, 48 channels/one (1) antenna (now two (2) antennas)

ii) Enlargement of System Capacity

For the purpose of efficient application of Subscriber Stations having a large number of line units, enlargement of the system capacity is required: for example, development of a system having a capacity of more than 120 channels.

c) Countermeasures for Electric Power Failure

For the purpose of efficient operation of the System, an uninterrupted power supply system is to be used in each Subscriber Station.

d) Public Telephone

In case that public telephones are connected to the Microwave Subscriber System, the public telephone signaling should be considered.

e) In the event of actual introduction of the system, the conditions of facilities such as switching equipment, MDF, etc. are to be investigated in detail.

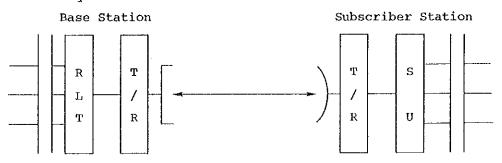
ATTACHMENT

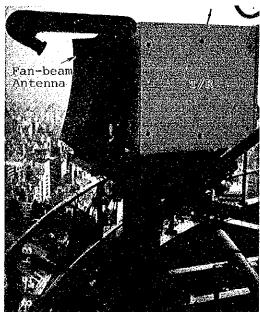
Attachment - 1 : Photographs Applied System

Applied System	
P-MP System	239
P-P System	239
Switching Centers/Base Stations	
GB-1	243
GB-2	247
SM-1	251
SM-2	255
CAW	259
Subscriber Stations	263
Mirror Test	265

Applied System

. P-PM System





P-MP System in Base Station

Base Station Equipment

- T/R: T/R (Transmitter/Receiver) unit consists of the fan-beam antenna, transmitter, receiver and power supply block.
- . RLT: RLT (Radio Link Terminal) unit consists of the T/R interface, TDMA block, line controller, switching equipment interface, and supervisory/ control interface.



P-MP System (Outdoor Type) in Subscriber Station

Subscriber Station Equipment

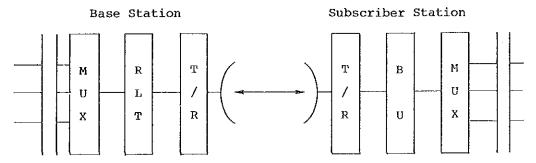
- . T/R: T/R unit consists of the antenna, transmitter, receiver and power supply block.
- . SU: SU (Service Unit) consists of the transmitter/receiver interface, TDMA block, line controller, subscriber line interface, power supply block, and others.

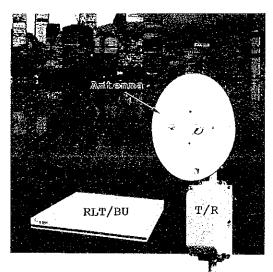
* Photographs of P-MP System are those of a similar system.



P-MP System (Indoor Type) in Subscriber Station

. P-P System



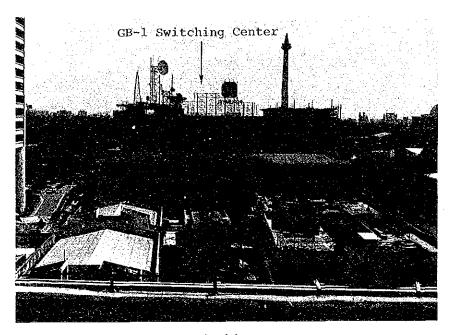


P-P System in Base Station/ Subscriber Station

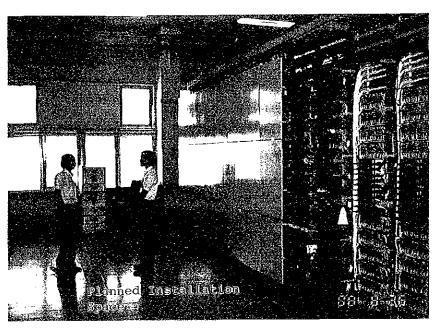
Base station equipment and Subscriber Station equipment are of almost the same configuration.

- . T/R (Transmitter/Receiver) unit consists of the antenna, transmitter, receiver and power supply block.
- . RLT/BU (Baseband Unit) consists of the T/R interface, code converter, MUX interface, and supervisory/control interface.

GB-1 (GAMBIR-1)

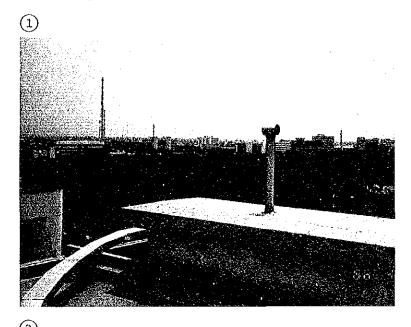


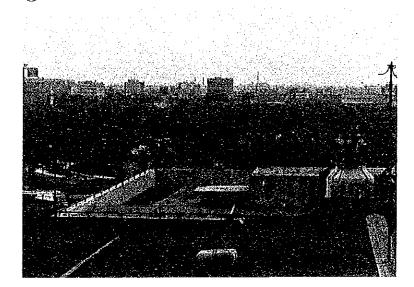
GB-1 Switching center

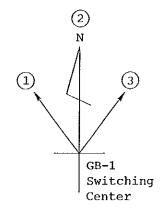


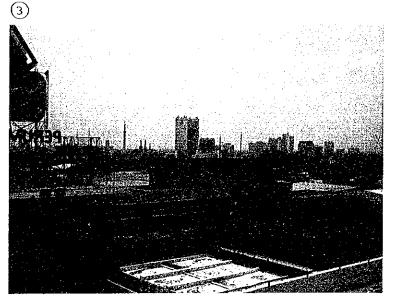
GB-1 Transmission Room on 6th Floor

Visibility from Roof of GB-1 Switching Center



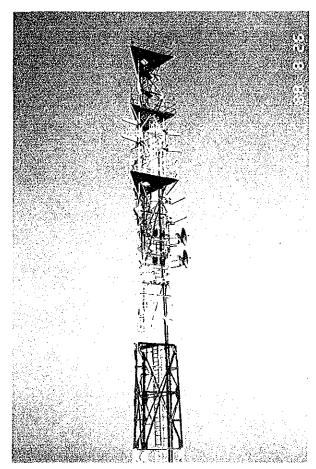






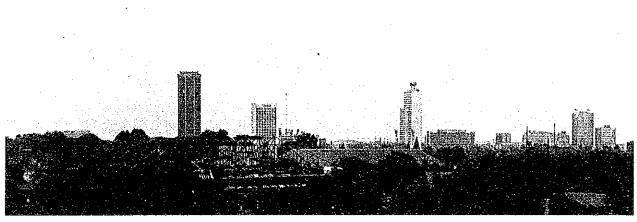


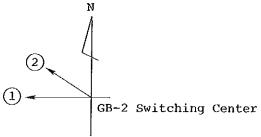
GB-2 Switching Center



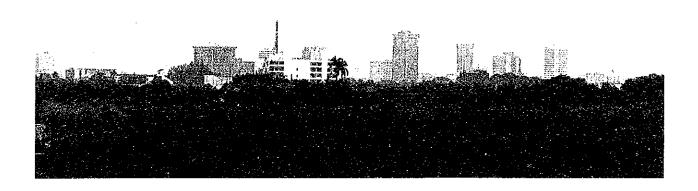
GB-2 Radio Tower



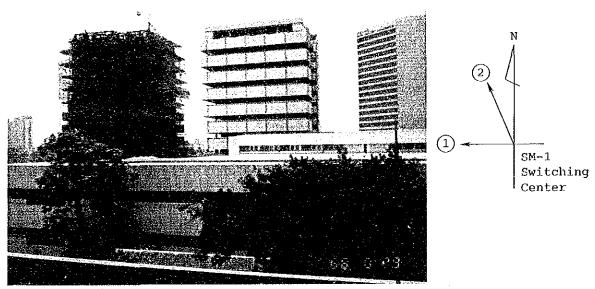




2



1



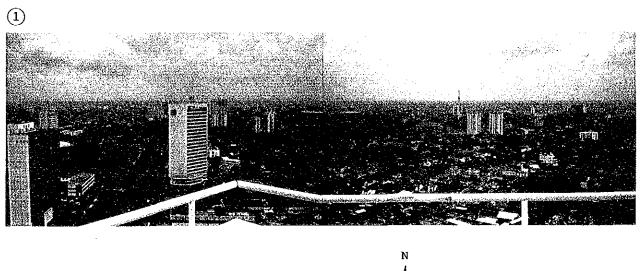
Conditions around SM-1 Switching Center The area is the direction of the Subscriber Stations is obscured by high-rise buildings.

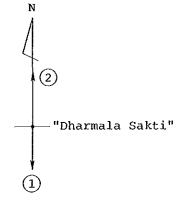
2

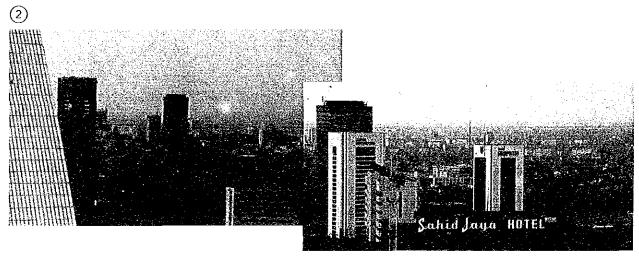


SM-1 Base Station "Dharmala Sakti"

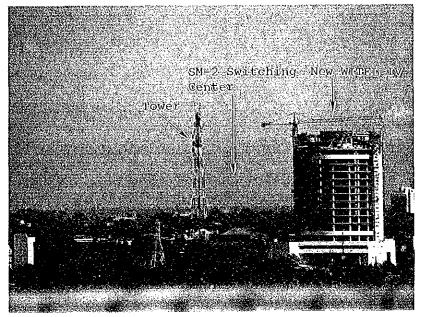
Visibility from Roof of "Dharmala Sakti"



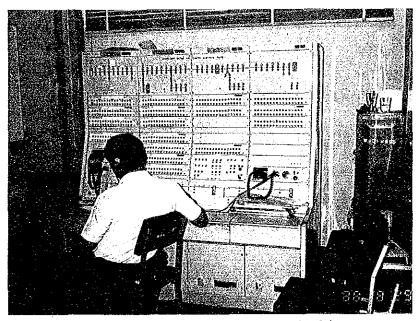




SM-2 (SEMANGGI-2)

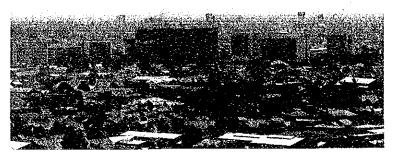


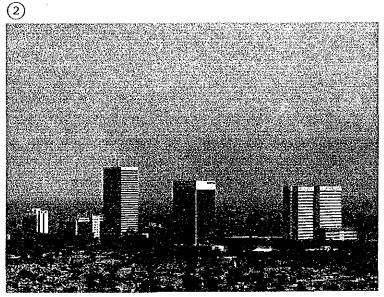
SM-2 Base Station (New Witel-IV)

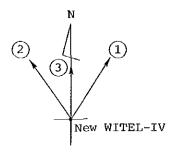


Supervisory/Control Room in SM-2 Switching Center





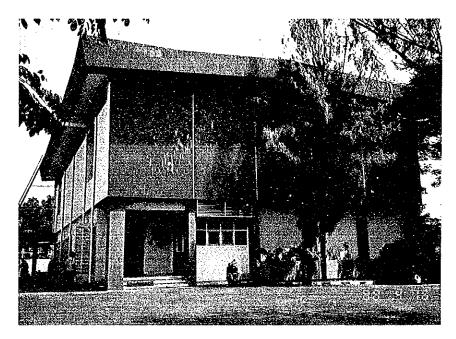




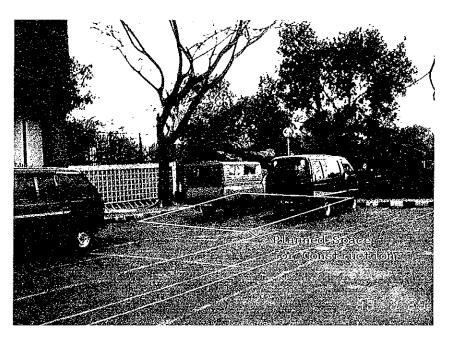
(3)



CAW (CAWANG)



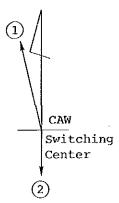
CAW Switching Center



Planned Site of Tower Construction

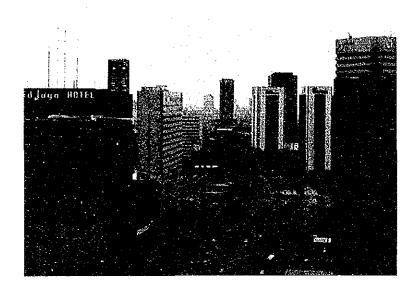
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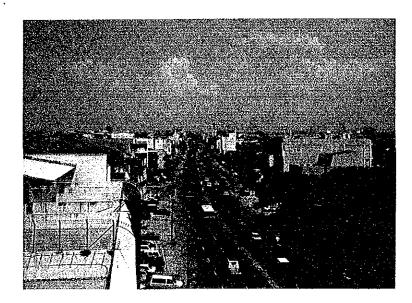


* It is impossible to secure visibility from the roof of the CAW Switching Center.

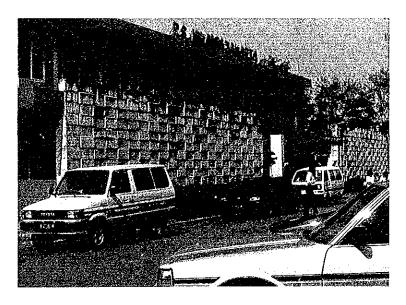


Large Scale Subscriber
Stations

(High-rise building along JL.M.H. THAMRIN in SM-1/SM-2 Areas

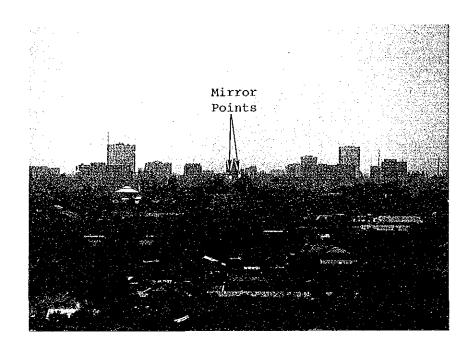


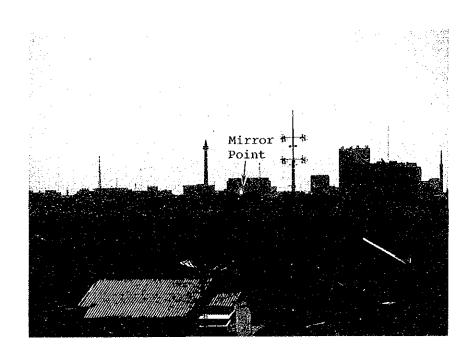
Medium Scale Subscriber Stations in GB-2 Area



Important Subscriber Station in CPP Area.

Mirror Test





Attachment - 2 ; Check Sheet for Field	Survey			
Check Sheet for Switching Center	• • • • • • • • • • • • •	• • • • • • • •	269	
Check Sheet for Subscriber Station			273	

SWITCHING CENTER INVESTIGATION

① NAME OF SWITCHING CENTER:	uteria (n. 1945). An mai interacción deservición de la composition de la composition de la composition de la composition de la c	t of a
② CLASSIFICATION : A · S B · S	TATION OF LARGE TYPE TATION OF MEDIUM TYPE TATION OF SMALL TYPE	· .
③ ADDRESS :		
SCOPE OF THE BUILDING etc.: 1 TYPE OF BUILDING:	WITH STORIES ABOVE WITH UNDER THE GROUND	
The above the second of the se	AREA PER FLOOR NUMBER OF FREE FLOORS	(m²/F) (F)
①-2 BE BUILT OF	A • WOOD R • PEINFORCEN CONCRETE	·
①-3 COMPLETED YEARS : ②-1 RADIO TOWER :	(MONTH), (YEAR) EXISTENT , NON-EX NAME OF TYPE	ISTENT
	HEIGHT ABOVE THE GROUND CAPACITY FOR PAPABOLIC ANTEN FOR V.H.F ANTENNA	(m)
@-2 COMPLETED YEARS :	(MONTH), (YEAR)	
© CONDITIONS OF CLEARANCE: ① CLEARANCE TEST POINT:		:
②-1 CLEARANCE IN THE DIRECTION②-2 CLEARANCE IN THE DIRECTION	GOOD , POOR ,	. ?
2-3 CLEARANCE IN THE DIRECTION	GOOD , POOR ,	?
@-4 CLEARANCE IN THE DIRECTION	COOD , POOR ,	.?.
© CONDITIONS AROUND THE BUILT	GOOD POOR	?
© TYPE OF EQUIPMENT INSTALLATION:		
①-1 INSTALLATION PLACE OF OUTS	IDE EQUIPMENT : COOD POOR ,	?
①-2 INSTALLATION PLACE OF INDOC		9
② SPACE FOR BUILDING NEW RAD	10 TOWER:	m X m)
	NON-EXISTENT	
② CONDITIONS OF INSTALLATION		

1-2 SWITCHING CENTER INVESTIGATION

O CONDITIONS OF OUTSIDE PLANTS: •• NUMBER OF LEADS IN CABLES IN CENTER (EXCEPT FOR JUNCTION CABLES):			
(ARTICLE) ② NUMBER OF PAIRS OF LEADS IN CABLE IN CENTER (EXCEPT FOR JUNCTION CABLES): (PAIR)			
3-1 TOTAL NUMBER OF TERMINALS IN MDF (EXCEPT FOR JUNCTION CABLES):			
③-2 NUMBER OF TERMINALS WHICH AREN 'T USED IN MDF (EXCEPT FOR JUNCTION CABLES): (TERMINAL)			
3-3 SPACE FOR INSTALLING NEW TERMINALS IN MDF: EXISTENT			
IF THERE ARE TWO(2) SPACES FOR DOUBLE MDF, INDICATE THE LENGTH OF THE EACH SPACE AS FOLLOW; NON-EXISTENT			
SPACE IN A CABLE VAULT FOR INSTALLING NEW CABLES WHICH ARE GOING UP THE MDF: EXISTENT			
IN CASE OF THE INSTALLING NEW CABLES ARE GOING UP THE BOTH-SIDE MDF IN A CABLE VAULT, INDICATE THE LENGTH OF THE EACH SPACE AS FOLLOW; (m + m)			
NON-EXISTENT S LENGTH OF SLOT WHICH ISN'T USED: IF THERE ARE TWO(2) SLOTS FOR DOUBLE MDF, INDICATE THE LENGTH OF THE EACH SLOT AS FOLLOW;			
NUMBER OF DUCTS WHICH AREN'T USED FOR THE PRIMARY CABLE IN A CABLE VAULT: (DUCT)			
® SECONDARY INVESTIGATION: NEED (CLEARANCE, SET UP), NOT NECESSARY			
9 JUDGEMENT OF SUITABILYTY: SUITABLE, UNSUITABLE, OTHER			
PARKING SPACE: THE NEAREST ST.: THE TIME REQUIRED: REMARKS: (THE TARGETS etc.)			

SWITCHING CENTER INVESTIGATION

RANGE OF SUBSCRIBER NUMBER	NUMBERING RANGE OF SUBSCRIBER NUMBER
	NUMBER OF SUBSCRIBERS (TERMINAL)
GENERAL PUBLIC PBX CES	GENERAL PUBLIC PBX CES
CALLING RATE ORIGINATING	CALLING RATE ORIGINATING
TERMINATING (ERLANG) (ERLANG)	TERMINATING (ERLANG)
TRAFFIC DENSITY CORRESPONDING TO	TRAFFIC DENSITY CORRESPONDING TO LOCAL CALL (ERLANG)
(ERLANG) INTERNATIONAL CALL (ERLANG)	(ERLANG) INTERNATIONAL CALL
MEAN HOLDING TIME CORRESPONDING TO LOCAL CALL (SEC.) LONG DISTANCE CALL	MEAN HOLDING TIME CORRESPONDING TO LOCAL CALL (SEC.) LONG DISTANCE CALL
(SEC.)	(SEC.) INTERNATIONAL CALL (SEC.)
CONCENTRATION RATIO OF RUSY HOUR	CONCENTRATION RATIO OF BUSY HOUR
(%) RATIO OF SUCCESSFUL CONNECTION (%)	RATIO OF SUCCESSFUL CONNECTION (%)
ANOTHER EXISTENT .	SHEET NON-EXISTENT
②-1 KIND OF THE COMMERCIAL POWER	SOURCE: (V) (ϕ) (H_2) (V) (ϕ) (H_2)
②-2 POWER RECEIVING CAPACITY	: (KVA) (KVA)
②-3 NON-INTERRUPTION ELECTRIC POW	
DATE: (DAY), (MONTH), 1988 N	AME :

SWITCHING CENTER INVESTIGATION

NAME OF THE EQUIPMENT NUMBERING RANGE OF SUBSCRIBER NUMBER	①- SWITCHING EQUIPMENT: NAME OF THE EQUIPMENT NUMBERING RANGE OF SUBSCRIBER NUMBER
NUMBER OF SUBSCRIBERS GENERAL PUBLIC PBX CES CALLING RATE ORIGINATING (ERLANG) TERMINATING (ERLANG) TRAFFIC DENSITY CORRESPONDING TO LOCAL CALL (ERLANG) LONG DISTANCE CALL (ERLANG) INTERNATIONAL CALL (ERLANG) MEAN HOLDING TIME CORRESPONDING TO LOCAL CALL (SEC.) LONG DISTANCE CALL (SEC.) INTERNATIONAL CALL (SEC.)	TRAFFIC DENSITY CORRESPONDING TO LOCAL CALL (ERLANG) LONG DISTANCE CALL (ERLANG) INTERNATIONAL CALL (ERLANG) MEAN HOLDING TIME CORRESPONDING TO LOCAL CALL (SEC.) LONG DISTANCE CALL (SEC.) INTERNATIONAL CALL (SEC.) CONCENTRATION RATIO OF BUSY HOUR (%)
ANOTHER EXISTENT ,	SHEET

① NAME OF SWITCHING CENTERS TO BE TERMINATED:			
② CLASSIFICATION : A • BUILDING B • LARGE SUBSCRIBER C • IMPORTANT SUBSCRIBER			
③ NAME OF THE BUILDING NAME OF ADMINISTRATOR ADDRESS (TEL)			
③ SCOPE OF THE BUILDING etc.: ①-1 TYPE OF BUILDING : A · MONOPOLY B · TOGETHER WITH STORIES ABOVE WITH UNDER THE GROUND AREA PER FLOOR NUMBER OF FREE FLOORS (F) ○-2 BE BUILT OF : A · WOOD B · REINFORCED CONCRETE C · OTHERS () ○ OTHERS () ○ NUMBER OF CLASSIFIED TENANTS AND EMPLOYEES: <tenant> <employee> CLASS A · GOVERNMENT AND MUNICIPAL OFFICE; AND TRADING FIRM ○ C · RETAIL STORE , WHOLESALE SHOP; AND TRAFFIC AND COMMUNICATION SERVICE; E · HOTEL , HOSPITAL F · FOREIGN CORPORATION OFFICE; G · EATING HOUSE F · OTHERS ③ SERVICE ORDER : NUMBER OF LINES , SERVICE TIME</employee></tenant>			
(CONDITIONS OF TERMINAL INSTALLATIONS: ① ACCOMMODATED "RK" NUMBER: ② NUMBER OF LEADS IN CABLES IN BUILDING: (ARTICLE) ③-1 NUMBER OF PAIRS OF LEADS IN CABLE IN BUILDING: (PAIR) ③-2 NUMBER OF PAIRS OF WORKING LEADS IN CABLE IN BUILDING: (PAIR) ④ NUMBER OF DUCTS WHICH AREN'T USED AT A SERVICE ENTRANCE: (DUCT) ⑤-1 TYPE OF DISTRIBUTION OF LEADS IN CABLE IN A BUILDING. INDICATE AS FOLLOWS: UNDERGROUND(TYPE) → ⑤-2 AERIAL(TYPE) → ⑥-1 ⑤-2 IN CASE OF UNDERGROUND TYPE. INDICATE AS FOLLOW: DUCT(TYPE) → ⑤-3 DIRECT BURIED(TYPE) → ⑥-1			
©-3 NUMBER OF CONDUITS WHICH AREN'T USED: (DUCT)			

1	⑥-1	QUANTITY OF SUBSCRIBER STATION EQUIPMENT:
		KT (TYPE)
ļ .		
1		PBX (TYPE)
1		CES (TYPE)
	<i>(</i> ⊘-2	QUANTITY OF TERMINAL EQUIPMENT:
	(O)-Z	
· .		FAX:
		TELEX
1		
İ .	_	PRIVATE LINE
	(7)	QUALITY OF LINE : COOD , FAIR , POOR
ļ		
ത സ	ทักเราเกม	S OF CLEARANCE:
W CO		
1	\mathbf{w}	CLEARANCE TEST POINT : FROM THE ROOFTOP , FROM THE () FLOOR
	②-1	CLEARANCE IN THE DIRECTION OF THE TELEPHONE EXCHANGES:
]	-	coop Poop 2
	<u> </u>	COOD POOR ?
	②-2	CLEARANCE IN THE DIRECTION OF THE TELEPHONE EXCHANGES:
		G000 , P00R ?
I	②-3	CLEADANCE IN THE ALDECTION OF THE TELEDRONE EVENANCES .
	W-3	
		G000 , P00R , ?
!	3	CONDITIONS OF AROUND THE BUILDING
	.•	The political distriction of the politic distriction of th
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		<u> </u>
∂Ω TVI	20 20	QUIPMENT INSTALLATION:
ייי שן	_	
1	①-I	INSTALLATION PLACE OF OUTSIDE EQUIPMENT:
Ì		GOOD , POOR , ?
	6 0.3	INSTALLATION PLACE OF INDOOR EQUIPMENT:
	(L)-2	
İ		GOOD , POOR , ?
]	-(2)	CONDITION OF INSTALLATION
	. •	Condition of Individual Condition
1		
į .		taran kanan dari baran
(8) SEC	CONDARY	INVESTIGATION: NEED (CLEARANCE, SET UP), NOT NECESSARY
	ስ ሶሐ ሮጳም -	OF CHITADILITY CHITADIF LINCHITYING OTHER
9 10	DOMENT !	OF SUITABILITY: SUITABLE, UNSUITABLE, OTHER
 	,	
AN REI	FEDENCE	• NAME: 1 44 4 4 4 4 1 4 1 1 1 1 1 1 1 1 1 1 1
j PAI	RKING S	PACE TO THE PROPERTY OF THE PROPERTY OF THE PACE OF TH
. THI	E NEARE	ST ST. : THE TIME REQUIRED:
1		· THE TACKET
KE	MARKS	: (THE TARGETS etc.)
<u> </u>		
ŧ.		
DATE		(DAY), (MONTH), 1988 NAME : CARACTER AND AND THE CONTROL OF THE CO

BASE-STATION INVESTIGATION

① NAME OF SWITCHING CENTER:							
② CLASSIFIC	ATION	<u>B</u> • S	TATION OF LARG TATION OF MED TATION OF SMAI	IUM T	YPE		
3 ADDRESS		*					
_	ROOFTOP CLEARAN TEST	ARANCE: LEVEL ABOVE THE GROCE IN THE DIRECTION POINT: ONS AROUND THE BUIL	OF THE NORTH		<u>GOOD</u>		(m) <u>POOR</u>
2	TEST	CE IN THE DIRECTION POINT: ONS AROUND THE BUIL	inilati		GOOD	• • • • • • • • • • • • • • • • • • •	POOR
@-3		CE IN THE DIRECTION POINT: ONS AROUND THE BUIL			Č00D	• • • • • • • • • • • • • • • • • • •	<u>POOR</u>
		CE IN THE DIRECTION POINT : ONS AROUND THE BUIL			GGOD	*	POOR
© TYPE OF E ①-1	INSTALL	INSTALLATION: ATION PLACE OF OUTS ONS OF INSTALLATION			POOR		
①-2	INSTALL CONDITI	ATION PLACE OF INDO	OR EQUIPMENT	:	((m X m
3	SAFETY	LOAD ON THE FOOR		:			(kg/m²)
© REFERENCE PARKING SI THE NEARE REMARKS	PACE ST ST.	: (THE TARGETS etc.				o :	
DATE :	(DAY),	(MONTH), 1988	NAME :				

① NAME OF SWITCHING CENTERS TO BE TERMINATED:	
② CLASSIFICATION : A · BUILDING B · LARGE SUBSO C · IMPORTANT S	CRIBER
③ NAME OF THE BUILDING NAME OF ADMINISTRATOR ADDRESS :	(18) (18) (18) (18) (18) (18) (18) (18)
①-2 NUMBER OF TERMINALS WHICH AREN'T USE FRAME: ①-3 IN CASE WHERE THE TERMINAL ISN'T AVAIDISTRIBUTION FRAME, INDICATE THE SPACE FOR THE DISTRIBUT FOLLOWS: SPACE NUMBENON-SPACE ②-1 TERMINAL EQUIPMENT ① KT (TYPE) ANOTHER SHEET EXISTENT, NON-EXISTENT	(TERMINAL) IN THE EXISTING DISTRIBUTION (TERMINAL) ILABLE IN THE EXISTING TON FRAME NEVLY INSTALLED AS EER OF TERMINALS NAME OF THE EQUIPMENT ELECTRIC POWER SOURCE CAPACITY EXTENSION / LINE
②-2 TERMINAL EQUIPMENT ① PBX (TYPE) ANOTHER SHEET EXISTENT , NON-EXISTENT (USER'S NAME) ②-3 TERMINAL EQUIPMENT ① CES (TYPE) ANOTHER SHEET EXISTENT , NON-EXISTENT	NAME OF THE EQUIPMENT ELECTRIC POWER SOURCE CAPACITY EXTENSION / LINE / BE USED / SET UP YEAR (MONTH), (YEAR)
(USER'S NAME) ③-1 KIND OF THE COMMERCIAL POWER SOURCE ③-2 NON-INTERRUPTION ELECTRIC POWER SUPP HOLD	: (V) (φ) (H2) (V) (φ) (H2) LIER : (V) (φ) (H2) ING TIME OF POWER (HOURS)

@ CONDITION	S OF TERMINAL INSTALLATION			*
②-1	TERMINAL EQUIPMENT @ KT	(TYPE)	NAME OF THE EQUIPMENT	
,			ELECTRIC POWER SOURCE	
4. 1	Karleya is a street of the		CAPACITY EXTENSION	/ LINE
				/
			BE USED	/
		•		(YEAR)
	(USER'S NAME)		SEL OF FEAR (HOWEN)	/• () GAN/
	TERMINAL EQUIPMENT ③ KT	(TVDE)	NAME OF THE EQUIPMENT	
2.5	TERMINAL EQUIPMENT & KI	(11rc)		
			ELECTRIC POWER SOURCE	
, , , , , , , , , , , , , , , , , , ,			CAPACITY EXTENSION	/ LINE :
	ear.			<u>/</u>
r Santagoria			BE USED	/
A TABLET		-	SET UP YEAR (MONTH)),(YEAR)
	(USER'S NAME)			
	TERMINAL EQUIPMENT @ KT	(TYPE)		
			EFFCIPIC LAMER SOOKEF	
			CAPACITY EXTENSION	
	•			/
			BE USED	/
			SET UP YEAR(MONTH)	, (YEAR)
	(USER'S NAME)			
	TERMINAL EQUIPMENT (5) KT	(TYPE)	NAME OF THE EQUIPMENT	
			ELECTRIC POWER SOURCE	
· · · · · · · · · · · · · · · · · · ·			CAPACITY EXTENSION	/ LINE
1				/
) 			BE USED	/
				(YEAR)
	(USER'S NAME)			
	TERMINAL EQUIPMENT 6 KT	(TYPE)	NAME OF THE EQUIPMENT	
		(- / /	ELECTRIC POWER SOURCE	
	to entropy		CAPACITY EXTENSION	/ LINE
,				
	•		BE USED	/
	the state of the s			(YEAR)
- 	(USER'S NAME)			*************
		(TYPE)	NAME OF THE EQUIPMENT	
:		(111 6)	ELECTRIC POWER SOURCE	
li i mar	the second second		CAPACITY EXTENSION	/ 11xF
			CACACITY DATESTOR	/ GING
	4 		BE USED	′, ·
	and the second of the second of the second		SET UP YEAR (MONTH)	/ /UCADN
	Alianata susas	4	SET OF TEAM (MONTH)	**** (1040)
	(USER'S NAME)			
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	s of terminal installation:	The control of the co
	TERMINAL EQUIPMENT @ PBX (TYPE)	
·		ELECTRIC POWER SOURCE
		CAPACITY EXTENSION / LINE
		BE USED
	(USER'S NAME)	SET UP YEAR (MONTH), (YEAR)
	TERMINAL EQUIPMENT @ PBX (TYPE)	NAME OF THE EQUIPMENT
		ELECTRIC POWER SOURCE
		CAPACITY EXTENSION / LINE
		BE USED /
	er de la composition de la composition de la composition de la composition de la composition de la composition La composition de la	SET UP YEAR (MONTH), (YEAR)
	(USER'S NAME)	*******
	TERMINAL EQUIPMENT @ PBX (TYPE)	
		ELECTRIC POWER SOURCE
		CAPACITY EXTENSION / LINE
		BE USED /
		SET UP YEAR (MONTH), (YEAR)
•	(USER'S NAME)	
-	TERMINAL EQUIPMENT (TYPE)	NAME OF THE EQUIPMENT
		ELECTRIC POWER SOURCE
		CAPACITY EXTENSION / LINE
		pe ticen
* *		BE USED / SET UP YEAR (MONTH), (YEAR)
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	(USER'S NAME) TERMINAL EQUIPMENT ® PBX (TYPE)	NAME OF THE COLLEDNENT
	TENTHAL ENGITHERS (TITE)	ELECTRIC POWER SOURCE
		CAPACITY EXTENSION / LINE
**		MINIOTOTI LATERISTUT / LINE
		BE USED /
		SET UP YEAR (MONTH), (YEAR)
-	(USER'S NAME)	
	TERMINAL EQUIPMENT @ PBX (TYPE)	NAME OF THE EQUIPMENT
		ELECTRIC POWER SOURCE
		CAPACITY EXTENSION / LINE
		/
		BE USED /
		SET UP YEAR (MONTH), (YEAR)
,	(USER'S NAME)	
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CONDITION	C OF TERM	INAL INCTAL	I ATION .			
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e fast de egypt	er. Hitimar				CAPACITY	
i i i i i i i i i i i i i i i i i i i						/
				.:	BE USED	/
		•		12.4		(MONTH), (YEAR)
		(USER'S	NAME)			
1 4 4 4 1 4	TERMINAL			(TYPE)	NAME OF THE	EQUIPMENT
		· •			ELECTRIC POW	
J. Carl			4	14.14	CAPACITY	EXTENSION / LINE
1 3			* .		•	/
•					BE USED	7
					SET UP YEAR	(MONTH), (YEAR)
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1	TERMINAL	EQUIPMENT	④ CES	(TYPE)	NAME OF THE	
		. '			ELECTRIC POW	
					CAPACITY	
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	TEKTINAL	EUUIPAENI	(a) (c)	(TYPE)	NAME OF THE	
		·.			ELECTRIC POW	
				* •	CAPACITY	EXTENSION / LINE
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		(USER'S	NAME)		JUI VI TEAM	/HORBIDATTA/ LENGTA
	TERMINAL.			(TYPE)	NAME OF THE	FOULPMENT
	101h1114.m	PROBLIES	9 32	(110 wz	ELECTRIC POW	
					CAPACITY	
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					BE USED	/
					SET UP YEAR	(MONTH), (YEAR)
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	TERMINAL	EQUIPMENT	① CES	(TYPE)	NAME OF THE	
					ELECTRIC POW	•
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		4400010			SET UP YEAR	(MONTH),(YEAR)
e e e		(USER'S	NAME)			
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(5)	CONDITION	S OF CLEARANCE:	£1.	11 173		i sul aj la d	130
	1	ROOFTOP LEVEL ABOVE THE GROUND:	÷ .	stieff it			_(m)
	2 -1	CLEARANCE IN THE DIRECTION OF THE		TEL	EPHONE EX	XCHANGES	
]	•	TEST POINT : FROM THE ()FLOOR		G000	•	POOR	
]		FROM THE ()FLOOR	•	GOOD		POOR	,
1		FROM THE ()FLOOR FROM THE ROOFTOP	•	COOD Proof	,	סטטט היה ו	
		CONTRIBUTE ADDITION THE DITTOLING	,	กัดดัก	,	Ĺñôv	:
		CONDITIONS AROUND THE BUILDING	· -				
l		The state of the s					
1	(2)-7	CLEARANCE IN THE DIRECTION OF THE TEST POINT : FROM THE ()FLOOR		IEU	EPHUNE E	ACHANGES .	•
		TEST POINT : FROM THE ()FLOOR	;	COOD	,	POOR	
ĺ		FROM THE ()FLOOR	Ţ,	GOOD	,	POOR	:
1		FROM THE ROOFTOP	:	GOOD		POOR	•
	•	CONDITIONS AROUND THE BUILDING	,	.77.77	•		
Ι.		COMPILIONS UNGOID THE SOURCE					
	⊘ -3	CIPADAUCE IN THE DIDECTION OF THE		TEL	รอนกมร รา	ACHYNCEZ ,	
	\& <i>)</i> ⁻∂	CLEARANCE IN THE DIRECTION OF THE TEST POINT: FROM THE CONTROL	·	ርሳሰ <u>ው</u> - 166	CLUONE 64	へいかれていい・ かへんか	•
Ì		TEST PUINT . PROFIT THE C VICUOR	•	เกิดก	2	NUUK	
İ		FROM THE C DELOUK	,	GOOD	,	POUK	
		FROM THE ()FLOOR FROM THE ROOFTOP	;	G 000	,	P00R	
		CONDITIONS AROUND THE BUILDING					
	,						
 				-			
6	TYPE OF T	HE EQUIPMENT SET UP:					
		INSTALLATION PLACE OF OUTSIDE EQUIPMENT	•	GOOD	• • • • • • • • • • • • • • • • • • • •	ne X	(m
	Φ.	THE PROPERTY OF SOLVER BEST NO.	•	DUUD	V .	^{IK} ()	
		CANALMIANC AC INCTILIATION		i noti	•		
		CONDITIONS OF INSTALLATION					- ,
	•	THOMAS I AMANA DE ACC TOO LADOOD POLICIANT	·				
	①-Z	INSTALLATION PLACE OF INDOOR EQUIPMENT	÷	Ş	• •	m x	m/
						m X	
				(m X	m)
		CONDITIONS OF INSTALLATION					
1	2	SAFETY LOAD ON THE FLOOR	:			(kg/	/m²)
	(3)	TYPE OF WINDOW GLASS	:				•••
1	~	THE OF WINDOW GENERAL					
ĺ							
i							
į.							:
(b)	REFERENCE	• NAME :	(]	阻)			
·	PARKING S	PACE :					
	THE NEARE	ST ST. : THE	TI	IE REQU	IRED:		
i	REMARKS	: (THE TARGETS etc.)					
'	Merkins	. Vind limited process	;;				
-	Mr.C) +	(AAV) (MONTH) 1000 HAME •					
DA	16	(DAY), (MONTH), 1988 NAME :					

Situation	of Switching	Center					283	
Data regar	ding Calling	Rate					285	
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						ara bayarin.		•
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			Para John Pa Program					
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Table AT3-1 Situation of Switching Center (1/2)

РОМ																			_										~~~					·~	-
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CIRCUM	qns	SG	Sub	Sub	Sub	Sab	q g	Ę	Ę.	g	que Surp	Ę	Sub	Sto	H.	Sub	cns	qus	E.	Ę	Sub	Sub	Sab	Sub	gg	gns	Sub	T.	Ę	Sub	Sub	Sub	Sub		
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TWR/H	•	1	1	.G/35	ţ	!	6/20	R/10	6/43	1	,I		6/72	1	R/12	•	1	· I	1	R/15		6/72		6/24	1	6/45	6/43	1	06/5	6/72	1	1	1		
1/3	1-1	H	F-2	1-1	딡	I	I-2	1-1	F-2	1-3	1	H-1	F#3	H	F-2	۲ ا	7	급	F-2	7.	٨	1	1-2	디	1	1.2	7	F-2	I	1	ĭ	Ϊ	13		
B1 d	2F	ZF.	4F	2F	ž	2E	7	8F	45	1.5	J.F.	2F	4F	2F	2F	1.	35	21	31	SF		2F	2F	2F	H	2£	2F	33	73	Ħ	2F	2F	11		
PBXT OTHERS	137	73	378	8	0	1.47	20	1,163	351	31	33	107	219	139	392	0	200	5	313	921		247	81	20	0	8	208	186	186	331	103	201	0	6,303	225
PBXT	207	126	535	306	0	228	99	5,068	,257	144	0	209	289	468	382	O	0	7	,921	2,566	0	310	165	83	Õ	422	644	,603	836	507	571	291	0	22,211	854
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PUBT	42	72	106	23	ó	7.1	7	247 5		31		43	91		120 1				n			58	28	04	0		101	13	. 88	53	86	81	0	1,853	69
GENT PUBT					0	10,585 71	<u>, , , , , , , , , , , , , , , , , , , </u>	247	167	31						0	0		m			9,257 58	3,332 28		0		13,546 101	13	. 88	23	86	81	0		69 699'6
	5,917		12,007		0		2,775 7	247	16,933 167	746 31	28		9,538 91	9,073	21,333	0	0	27	9,013 3	35,737 120		•	3,332		0	10,962		7,772 13 1	7,851 88 1	12,255 53	7,189 98	10,335 81		1,853	699'6
GENT	5,917	7,876 4,016	16,099 12,007	5,356		20,154	6,468 2,775 7	53,904 34,739 247	29,015 16,933 167	2,423 746 31	107 46 28	7,035 3,691	15,091 9,538 91	14,428 9,073	21,333	0	2 9,008 2,306 0	2,743 27	7 17,367 9,013 3	2 58,246 35,737 120		25,044 9,257	3,332	3,186 1,673	1	4 26,279 10,962	2 20,071 13,546	5 11,779 7,772 13 1	16,791 7,851 88 1	6 22,982 12,255 53	12,352 7,189 98	5 15,314 10,335 81	•	270,726 1,853	17,590 9,669
WAIT+SUBT GENT	10,364 5,917	3,589 7,876 4,016	5,073 18,099 12,007	18,839 5,356	1	9,123 20,154	3,570 6,468 2,775 7	12,687 53,904 34,739 247	9,307 29,015 16,933 167	1,471 2,423 746 31	107 46 28	2,985 7,035 3,691	4,954 15,091 9,538 91	4,684 14,428 9,073	31,307 21,333	1 1	6,672 9,008 2,306 0	9,171 12,005 2,743 27	6,117 17,367 9,013 3	18,902 58,246 35,737 120	0 0	15,172 25,044 9,257	3,384 6,990 3,332	1,340 3,186 1,673	1 0	11,495 14,784 26,279 10,962	14,499 5,572 20,071 13,546	9,574 2,205 11,779 7,772 13 1	9,961 6,830 16,791 7,851 88 1	13,146 9,836 22,982 12,255 53	4,391 12,352 7,189 98	4,406 15,314 10,335 81	-	191,431 492,524 270,726 1,853	17,590 9,669
WAIT WAIT+SUBT GENT	4,061 10,364 5,917	4,287 3,589 7,876 4,016	13,026 5,073 18,099 12,007	5,774 13,065 18,839 5,356	1	11,031 9,123 20,154	2,898 3,570 6,468 2,775 7	41,217 12,687 53,904 34,739 247	19,708 9,307 29,015 16,933 167	1,471 2,423 746 31	107 - 107 46 28	4,050 2,985 7,035 3,691	10,137 4,954 15,091 9,538 91	9,744 4,684 14,428 9,073	23,227 8,080 31,307 21,333	1 1 0	2,336 6,672 9,008 2,306 0	9,171 12,005 2,743 27	11,250 6,117 17,367 9,013 3	39,344 18,902 58,246 35,737 120	0 0	9,872 15,172 25,044 9,257	3,384 6,990 3,332	1,846 1,340 3,186 1,673	1 0	11,495 14,784 26,279 10,962	5,572 20,071 13,546	9,574 2,205 11,779 7,772 13 1	9,961 6,830 16,791 7,851 88 1	13,146 9,836 22,982 12,255 53	7,961 4,391 12,352 7,189 98	10,908 4,406 15,314 10,335 81	- 0	301,093 191,431 492,524 270,726 1,853	7,090 17,590 9,669
SUBT WALT WALT+SUBT GENT	6,303 4,061 10,364 5,917	4,287 3,589 7,876 4,016	24,188 13,026 5,073 18,099 12,007	7,936 5,774 13,065 18,839 5,356	0	15,748 11,031 9,123 20,154	2,898 3,570 6,468 2,775 7	46,404 41,217 12,687 53,904 34,739 247	2 23,552 19,708 9,307 29,015 16,933 167	1,000 952 1,471 2,423 746 31	107 - 107 46 28	4,496 4,050 2,985 7,035 3,691	21,840 10,137 4,954 15,091 9,538 91	9,744 4,684 14,428 9,073	23,227 8,080 31,307 21,333	1 0	2,980 2,336 6,672 9,008 2,306 0	2,890 2,834 9,171 12,005 2,743 27	19,844 11,250 6,117 17,367 9,013 3	2 52,592 39,344 18,902 58,246 35,737 120	0 0	9,872 15,172 25,044 9,257	6,840 3,606 3,384 6,990 3,332	1,846 1,340 3,186 1,673	0 1	11,520 11,495 14,784 26,279 10,962	16,288 14,499 5,572 20,071 13,546	14,815 9,574 2,205 11,779 7,772 13 1	2 13,188 9,961 6,830 16,791 7,851 88 1	14,000 13,146 9,836 22,982 12,255 53	9,216 7,961 4,391 12,352 7,189 98	13,056 10,908 4,406 15,314 10,335 81	I I 0. 0	398,718 301,093 191,431 492,524 270,726 1,853	10,753 7,090 17,590 9,669

Source: Result of Field Survey, April-June, August-September 1988 Bld : Building
F/I : Shape of Roof (F/I: Flat/Inclined)
TWR/H : Tower/Height (m)
CL:M/E/S/W : Conditions of Clearance of Visibility
CIRCUM : Circumstance
SPO : Space for Outdoor Equipment
SPI : Space for Indoor Equipment
SPI : Space for Indoor Equipment
SPT : Condition of Power Supply Equipment Abbreviation Total number of General Subscribers Terminated in Switching Center: Total Number of General Subscribers Terminated in Switching Center: Total Number of Coin Phone Lines Terminated in Switching Center: Total Number of PBX Subscriber Lines Terminated in Switching Center: Number of Other Type of Subscriber Lines Terminated in Switching Center: Center REKAPITULASI POTENSI SAMBUNGAN TELEPON, WITEL-IV JAKARTA July 1988
 DATA EXISTING WITEL-IV, POSISI MEI 1988 : Capacity of Switching Equipment : Number of Waiting Subscribers Abbreviation CAPT
WALTING
SUBT
GENT
PUBT
PEXT
OTHERS Source:

Table AT3-2 Situation of Switching Center (2/2)

				-		٠.'											b						. 31						,				-	14.	d.	
	CAP94-2	19,996	960,6	45,192	25,144	000,3	31,692	8,000	93,384	54,480	10,000	3,000	4 500	42,192	52,792	50,384	000,6	10,000	5,500	29,000	107,168	4,000	34,076	11,000	13,000	5,000	33,168	40,192	42,000	39,192	28,500	24,244	33,092	1,000	922,984	27,969
	EXP94-2	10,000	0	20,000	15,000	3,000	16,000	3,000	47,000	30,000	7,000	2,000	0	20,000	39,000	20,000	7,000	7,000	0	9,000	54,000	2,000	17,000	o	8,000	4,000	23,000	20,000	27,000	20,000	5,000	10,000	15,000	0	460,000	
	CAP94-1	966'6	960,6	25,192	10,144	1,000	21,692	8,000	53,384	34,480	3,000	3,000	4,500	22,192	17,792	30,384	2,000	3,000	5,500	29,000	67,168	2,000	24,076	11,000	5,000	1,000	20,168	20,192	22,000	19,192	23,500	14,244	18,092	1.000	541,984	16,424
	EXP94-1	0	0	0	0	0	6,000	3,000	7,000	10,000	o	2,000	0	0	4,000	ò	Ö	0	٥	9,000	14,000	0	7,000	0	٥	0	10,000	0	7,000	0	0	0	0	0	79,000	
	CM289	966,6	960'6	25,192	10,144	1,000	15,692	2,000	46,384	24,480	3,000	1,000	4,500	22,192	13,792	30,384	2,000	3,000	5,500	20,000	53,168	2,000	17,076	11,000	5,000	1,000	10,168	20,192	15,000	19,192	23,500	14,244	18,092	1,000	462,984	14,030
	EXP89	1,548	2,952	1,004	2,208	1,000	-56	1,464	27	978	2,000	1	4	352	-35	3,976	2,000	20	2,610	156	576	2,000	4,020	4,160	1,095	1,000	-1,352	3,904	185	6,004	9,500	5,028	5,036	1,000	64,266	
	REM	2,145	1.857	11,162	2,162	0	4,717	638	5,187	3,844	48	897	446	11,703	4,080	3,181	0	644	. 56	8,594	13,248	0	3,184	3,234	2,059	0	25	1,789	5,241	3,227	854	1,255	2,148	0	97,625	3,487
	GPTP	8,448	6,144	24,188	7,936	0	15,748	3,536	46,404	23,552	1,000	1,004	4,496	21,840	13,824	26,408	0	2,980	2,890	19,844	52,592	o	13,056	6,840	3,905	0	11,520	16,288	14,815	13,188	14,000	9,216	13,056	0	398,718	14,240
	ORG+TER	0.074	0.093	0.111	0.111	0.074	660-0	0.056	0.157	0.157	0.130	0.056	0.102	0.102	0.111	0.102	0.074	0.111	0.074	0.167	0.111	0.074	0.111	0.120	0.130	0.111	0.111	0.111	0.157	0.130	0.130	0.111	0.102	0.074	ľ	0.107
Δ-1	TER.CRS	0.034	0.043	0.051	0.051	0.034	0.043	0.026	0.072	0.072	0.060	0.026	0.047	0.047	0.051	0.047	0.034	0.051	0.034	0.077	0.051	0.034	0.051	0.055	0.060	0.051	0.051	0.051	0.072	090.0	0.060	0.051	0.047	0.034	1	0.049
Repelita-V	ORG.CR5	0.040	0.050	0,060	0.060	0.040	0.050	0.030	0.085	0.085	0.070	0.030	0.055	0.055	0.060	0.055	0.040	090.0	0.040	0.090	090.0	0.040	090.0	0.065	0-070	0,060	0.060	0,060	0.085	0.070	0.070	0.060	0.055	0.040	1	0.058
	ORG+TER	0.078	0.094	860.0	0.108	ı	0.085	0.072	0.179	0.148	0.166	0.097	0.120	0.103	0.097	0.116	t	ı	0.097	0.221	0.092	!	0.088	0.143	0.100		0.088	0.095	0.187	0.184	0.120	0.104	0.074	1	,	0.117
Status	TER.CR	0.034	0.043	0.042	0.044	1	0.036	0.028	0.073	0 029	0.061	0.036	0.053	0.046	0.040	0.048	. 1	ı	0.042	0.00	0.038	i	0.035	0.053	0.042	, ;	0.037	0.040	0.077	0.070	0.048	0.044	0.032	j	•	0.048
Present	ORG. CR	0.044	0.050	0.056	0.064	1	0.049	0.044	0.106	0.089	0.104	0.061	0.067	0.058	0.058	0.068	1 .		0.055	0.131	0.054	1	0.053	0.090	0.058		0.050	0.055	0.110	0.114	0.072	090.0	0.042	1	i	0.069
	PBX.CR	0.44	0.44	0.50	0.44	1	0.50	0.44	0.50	0,50	0.40	0.40	0.44	0.50	0.50	0.50	ı	ı	0.40	0.50	0.50	ŧ	0.50	0.44	0.44	, ;	0.00	0.50	0,50	0.50	0.50	0.44	0.50	1		0.49
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	Source: REPELLIMA-V INVESTMENT PROCESM (FIRST DESERT) ANNEX
Source: (1) Hasil Pengukuran Trafik TRD1 SEWTRAL SPC ANALOG	
WITEL-IV JAKARTA, TRIWURAN I, II 1988, III, IV 1987	
(2) Hasil Pengukuran Trafik SENTRAL TELEPON EWSD JAKARTA	Abbreviation
January, April, July 1988, October, August 1987	
3 Data Trafik Originating dan Terminating Sentral Lokal	CAPIP : Capacity of Switching Equipment at Present
TRIWDRAN I - IV 1987	REMP : Remainder of Switching Equipment at Present
	EXP89 : Expansion from 1988 to 1989
Abbreviation	CAP89 : Capacity of Switching Equipment at End of Pelita-IV (1989
	EXP94-1: Expansion from 1989 to 1994 in First Priority Case
ORG : Originating Calling Rate	CAP94-1 : Capacity of Switching Equipment at End of Repelita-V (199
TER : Terminating Calling Rate	in First Priority Case
	EXP94-2 : Expansion from 1989 to 1994 in Second Priority Case
ORGS : Originating Calling Rate in case of Repelita-V	CAP94-2 : Capacity of Switching Equipment at End of Repellita-V (199,
TERS : Terminating Calling Rate in case of Repelita-V	in Second Priority Case

CARTA, TRIWURAN I, II 1988, III, IV 1987		いいこう かいさい かいかい かいしょう かいかい かいこう (作品) 禁っている
aran Trafik Sentral Telepon Ewsb Jakarra		Abbreviation
il, July 1988, October, August 1987	į	
Originating dan Terminating Sentral Lokal		CAPTP : Capacity of Switching Equipment at Present
1987 T		REWED: Remainder of Switching Equipment at Present
		EXP89 : Expansion from 1988 to 1989
	,	CAP89 : Capacity of Switching Equipment at End of Pelita-IV (1989)
	: .	EXP94-1 : Expansion from 1989 to 1994 in First Priority Case
Calling Rate		CAP94-1 : Capacity of Switching Equipment at End of Repelita-V (1994)
Calling Rate		in First Priority Case
and Terminating Calling Rate		EXP94-2 : Expansion from 1989 to 1994 in Second Priority Case
Calling Rate in case of Repelita-V		CAP94-2 : Capacity of Switching Equipment at End of Repelita-V (1994)
Calling Rate in case of Repelita-V		in Second Priority Case

Related Data for Calling Rate

The situation of switching equipment in Jakarta is shown in Table AT3-3.

. The contract the first term of $\mathcal{L}_{\mathcal{A}}(x)$, which is a first term of $\mathcal{L}_{\mathcal{A}}(x)$

Table AT3-3 Share of PRX Switching Equipment in Jakarta

		San Carlotte Commence		#
Type	Unit	Capacity	Subscriber	Stations
PRX	30 (53.6%)	246,762 (61.8%)	199,645	(66.3%)
EWSD	16 (28.6%)	95,946 (24.1%)	48,130	(16.0%)
EMD	9 (16.1%)	55,500 (13.9%)	52,366	(17.4%)
хв	1 (1.7%)	1,000 (0.2%)	952	(0.3%)
Total	56 (100%)	398,717 (100%)	301,093	(100%)

The conditions of the data for calculation of CR in Jakarta is shown in Table AT3-4.

Table AT3-4 Conditions of Data on CR in PBX Subscriber Lines

Type of	Condition	ons
Exchange	Contents	Period
PRX	Measured Carried Traffic Number of Line Units	Every Four (4) Months Through One (1) Year
EWSD	Measured Carried Traffic Number of Line Units (Except Remote Type)	Only One (1) Month Through One (1) Year
EMD	Not Existent	
ХВ	Not Existent	

"Strategic Development Plan" local traffic per subscriber is shown in Table AT3-5.

Table AT3-5 Local Traffic per Subscriber Station

·	
Category of Subscriber	Traffic per Subscriber Station Measured in Indonesia in Multi Exchange Area (Originating Calling Rate)
Residential	0.05
Business	0.08 *
PBX	-
Pay Phone	e 🕶 přej přej přej přej přej přej přej přej
Average	0.06

Unit: erlang/line unit

^{* :} Average of business area in Jakarta is 0.10.

	Professional Contraction of the			
생활한 취임되다.				
Attachment -	Λ	Painfall	Data in	Jakarta
We cacimiente.		1002112022		

"DEPARTEME	PERHUBUNGAN" in	Jakarta 289
		활동을 들면 사용되는 하라마다 하고 있는 것은 한 때문을 다.
		<u> </u>
		생물이 되는 이렇게 그림을 가장하는 것으로 가장 살아야.
		용화되었다고 하는 사용하다 본 사회를 사용할 때 것
		회 사람들 발가들의 경기가 있는 사물을 내려왔다.
		주는 전문 전문 1.1 등록 5 등 원리 리. 트립스 (B. 1988) 12
		기념용하다 (연결하는 요일이 하는 요리하는 이 사람이 없는 그리다.)
		한 개발 경험하는 이상의 중 하는 것은 이상이가 되었다고?
		노래한 동자를 하는 지하다 보스트를 받아갔습니다.
		연결합의 선생님 그 사람이 그리고 되어 있는데 없다.
		음악 그리면 한 기회에는 이번 사고 남은 점심다.
		형 그는 누는 그는 이번 일이 되었다. 그는 그들은 모양이
		맞았다 양병의 경우를 모든 생생은 이번 그 모든 모든 모든
		<u> </u>
		생활하다 보다는 얼마나 있는 어느 아이를 보는 것이다.
		돌아왔다. 생활들은 하늘이 있는 사일을 보면 하는 하는데
		오늘하다 아내를 보고하는 사람들이 보고 하는데 모든 말은
		물레 가는 모든 이번 프로그램은 그리고 있다. 그리고
イア都 新加 (4 FA) 12.1 2 (数46) 4 (4 FA) 13.27		- 287 -

DEPARTEMEN PERHUBUNGAN

BADAN METEOROLOGI DAN GEOFISIKA

Nama Stassiun: Halmu (96747)

No. Sta. hujan, Obs :

Kabupaten Ketinggian :

JL' ARIEF RAKHMAN HAKIM NO. 3 JAKARTA

PENAKAR HUJAN OTOMATIS
Laporan Bulan : Jakkan

Tahun: 486

Nama Pengamat : Sunt D

Form: B

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PERHUBUNGAN DEPARTEMEN

BADAN METEOROLOGI DAN GEOFISIKA

Nama Stasiun : Habung 66747

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Ketinggian Kabupaten

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Form:

3L' ARIEF RAKHMAN HAKIM NO. 3 JAKARTA

PENAKAR HUJAN OTOMATIS

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DEPARTEMEN PERHUBUNGAN

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JL ARIEF RAKHMAN HAKIM NO. 3 JAKARTA PENAKAR HUJAN OTOMATIS Laporan Bulan : Manat No. Sta. hujan. Obs : _

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DEPARTEMEN PERHUBUNGAN

BADAN METEOROLOGI DAN GEOFISIKA

JL ARIEF RAKHMAN HAKIM NO.3 JAKARTA

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JL' ARIEF RAKHMAN HAKIM NO. 3 JAKARTA

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JL. ARIEF RAKHMAN HAKIM NO.3 JAKARTA

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No. sta.hujan.Obs ;__

Laporan Bulan OTOMATIS
Laporan Bulan: ASUPLES
Tohun: 1986

Nama pengamat: Suzuja

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Nama Stasiun: Halun (96747)

Kabupaten Xetinggian

No.sta.hujan.01m: No.sta.hujan.Obs :_

PENAKAR HUJAN OTOMATIS Bulan: September Laparan

Nama pengamat: Type penakar

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Attachment - 5 : List of Subject Subscriber Stations

Legend

- . Application
 - o : P-MP System
 - : P-P System
- . Classification

Occupation

- G : Government
- O: Office
- B : Bank
- S : Shop / Store
- H : Hotel / Apartment
- R : Hospital
- F : Factory
- A: Army
- X : Others

Cost

Important

Factor of Selection

Difficulty

Poor Quality -

Terminal Equipment

PBX o: use, x: not use

. Visibility

o : Visible

 Δ : Invisible at present

Tower: Under construction

or plan

× : Invisible

Tower: no construction plan

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