Maritime Telecommunication Facilities: Inventory, Plant Records and Outlook-2001

4th-A Class Coast Station
Kaimana
(Coast Station No. 210)

Table of Content

- ☑ Summary of Coast Station
- ☑ Inventory
- ☐ Status of Trouble
- ☑ Operation Schedule (Frequencies)

TRX Drawings:
- ☑ Site Location
- ☑ Antenna Layout
- ☑ Equipment Floor Layout
- ☐ E/G Floor Layout
- ☑ System Block Diagram
- ☑ Power Block Diagram

Note :
- ☑ Available in this list
- ☒ Not Available in this list
- ☐ Unnecessary in this list
- * Combined in one drawing

JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)

November 2001

SUMMARY OF COAST STATION

SITE	KAIMANA		
CLASS	4th-A	NO.	210

1. LOCATION

Station	Address	Tel.	Fax	Longitude	Latitude
TX/RX	Jl. Diponegoro			133° 45′ 15″ E	03° 40′ 00″ S

2. GENERAL CONDITIONS

Moving from Jakarta				Site Access from Port	Road Traffic	Accommodation	Population
By Air	to Biak	[Taking time.	8.00 hr.]	☐ Highway	☐ Heavy	☑ Hotel	15,000
By Air	to Kaimana	[Taking time	2.00 hr.]	☑ Paved	☐ Medium	☐ Motel	
By Car	to Location	[Taking time	0.30 hr.]	☐ Unpaved road	☑ Light		
					☐ None		

3. CONDITIONS OF STATION

Refer to attached drawing

3.1 Site Conditions

Topography	Nature of Soil		Past disaster of site	Confirmation of existing system	
				Yes	No
☐ Flat	☐ Dry soil	☐ Limestone	☑ Flood	☑	☐ Antenna
☐ Slope	☐ Ordinary	☐ Gravel	☐ Flood Tide	☐	☑ Towers (Masts)
☐ Hill-top	☐ Swampy	☐ Rocky	☐ Rain Leakage	☐	☑ Grounding system
☐ Basin	☐ Clay		☐ Ground Subsidence	☐	☑ Lightning system
☐ Valley	☐ Sandy			☐	☑ Feeder Cable Way
Altitude	80.00 M		**Telephone Lines**	☑	☐ City water
Land area	2,925 m²		☐ Lines		

3.2 Building Conditions

Constructions	
Num. of story	One
Structure	Concrete
Type of roof	Zinc
Type of ceiling	Triplex
Type of wall	Brick
Wall finish	Mortar
Flooring	Stone
Room Area (m²)	
Operation room	40.00
E / G room	
Remark	

3.3 Power Source

	PLN Source	E/G
Voltage	220 V	V
Phase	1	
Wire	2	
kVA	1.3	

Quality of PLN source		
Fluctuations	220 V ± 15 %	
Availability of power per day	24 Hours	
Power interruption /month	18 Times	
Total interpt. hours /month	24 Hours	
Max interpt. hours at once	3 Hours	

Existing Power Conditions	Good	Bad
Power Supply System	☑	☐
Operations of E/G	☐	☐
Operations of AVR	☐	☐

Capacity of fuel for engine	
Day tank	Liter
Main tank	k Liter

E/G Stand-by System

☐ Single System

☐ Dual System

4. OPERATION AND MAINTENANCE

Actions taken in equipment failure	
Restoration flow	Send to Disnav Sorong
Examples of major failure	
Sufficiency of spares	Not sufficient

Records of damages		Environmental Conditions	Good	Bad
☐ Heavy rainfall				
☐ Storm		☑ External noises	☑	☐
☐ Lightning		☑ Air pollution	☑	☐
☐ Other calamity				

Institutional and Human Statuses			
1 Budget	☐ Sufficient	☐ Reasonable	☑ Insufficient
2 Spares	☐ Enough	☐ Reasonable	☑ Not enough
3 Measuring eqpt./tools	☐ Enough	☐ Reasonable	☑ Not enough
4 Number of Operator	☐ Enough	☐ Reasonable	☑ Not enough
5 Number of Technician	☐ Enough	☐ Reasonable	☑ Not enough
6 Capability of Operator	☐ Skilled	☑ Not so bad	☐ Not capable
7 Capability of Technician	☐ Skilled	☐ Not so bad	☐ Not capable

5. PERSONNEL FORMATIONS

	TX/RX	
Chief	1	
Operator (skilled)	1 ()	()
Technician (skilled)	()	()
Administrator		
Total	2	

Training Record				
Course	Class	Location	Period	Trainee

SUMMARY OF COAST STATION

SITE	KAIMANA		
CLASS	4th-A	NO.	210

6. STATISTICAL COMMUNICATION TRAFFIC DATA

Maritime Safety					Public Telecommunication Service							
Years	TG	TEL	DSC	NBDP	Years	Telephone		TG Call	Years	Telephone		TG Call
						Call	Minute			Call	Minute	
1996					1991				1996			
1997					1992				1997			
1998					1993				1998			
1999					1994				1999			
2000					1995				2000			

7. COMMENTS

Suggestion	Maritime Communications in Kaimana is very important, but equipment is not sufficient , actually Coast Station is Information Centre for Maritime Transportation Services and for short distance communication such as VHF, Orari which directly communicated with Passenger's ship, because VHF not available in Coast Station
Remarks	

OPERATION SCHEDULE (FREQUENCIES)

Site Name: Kaimana

KMN-210-(1/1)

Call Sign : Mobile Service : PKY.25
Fix Service :

	FREQUENCY (kHz)	EMISSION	POWER (W)	UTC 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24	REMARK
	Mobile Service				
1	2 182,0	J3E	100		
2	6 215,0	J3E	100		
	Fix Service				
3	6 926,0	RE3	100		
4					
5					
6					
7					
8					
9					
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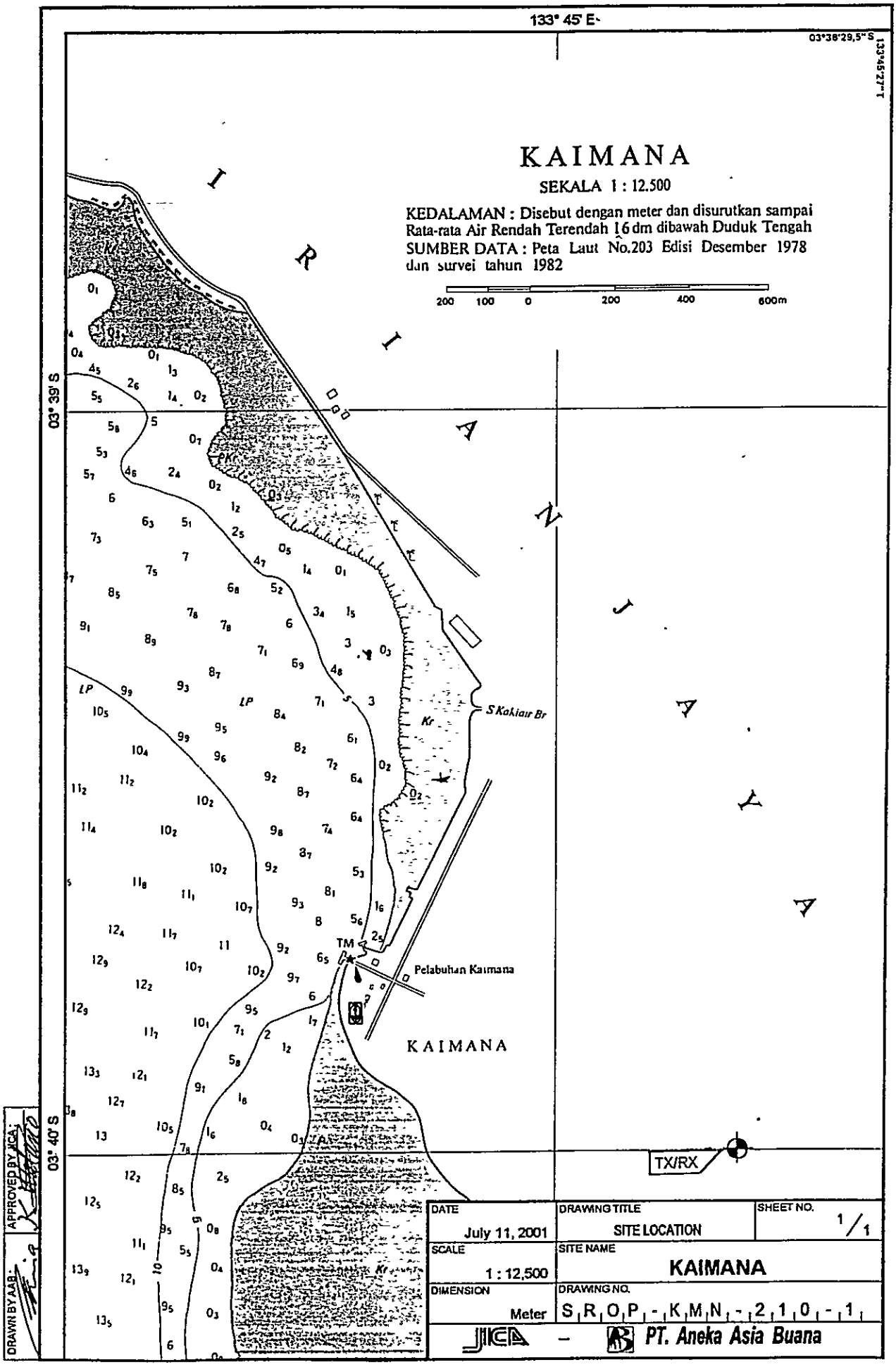
24					
25					


133° 45' E
03°38'29,5" S
133°45'27,1"
KAIMANA
SEKALA 1 : 12.500
KEDALAMAN : Disebut dengan meter dan disurutkan sampai Rata-rata Air Rendah Terendah 1,6 dm dibawah Duduk Tengah
SUMBER DATA : Peta Laut No.203 Edisi Desember 1978 dan survei tahun 1982
200 100 0 200 400 600m
03° 39' S
03° 40' S
I R I A N J A Y A
S Kokiaur Br
Pelabuhan Kaimana
KAIMANA
TM
TX/RX
DRAWN BY AAB
APPROVED BY JICA
DATE
July 11, 2001
DRAWING TITLE
SITE LOCATION
SHEET NO.
1/1
SCALE
1 : 12,500
SITE NAME
KAIMANA
DIMENSION
Meter
DRAWING NO.
SROP-KMN-210-1
JICA – PT. Aneka Asia Buana

OPERATION SCHEDULE (FREQUENCIES)

Site Name: Kaimana

KMN-210-(1/1)

Call Sign : Mobile Service PKY 25
Fix Service

	FREQUENCY (kHz)	EMISSION	POWER (W)	UTC 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24	REMARK
	Mobile Service				
1	2 182,0	J3E	100		
2	6 215,0	J3E	100		
	Fix Service				
3	6 926 0	RE3	100		
4					
5					
6					
7					
8					
9					
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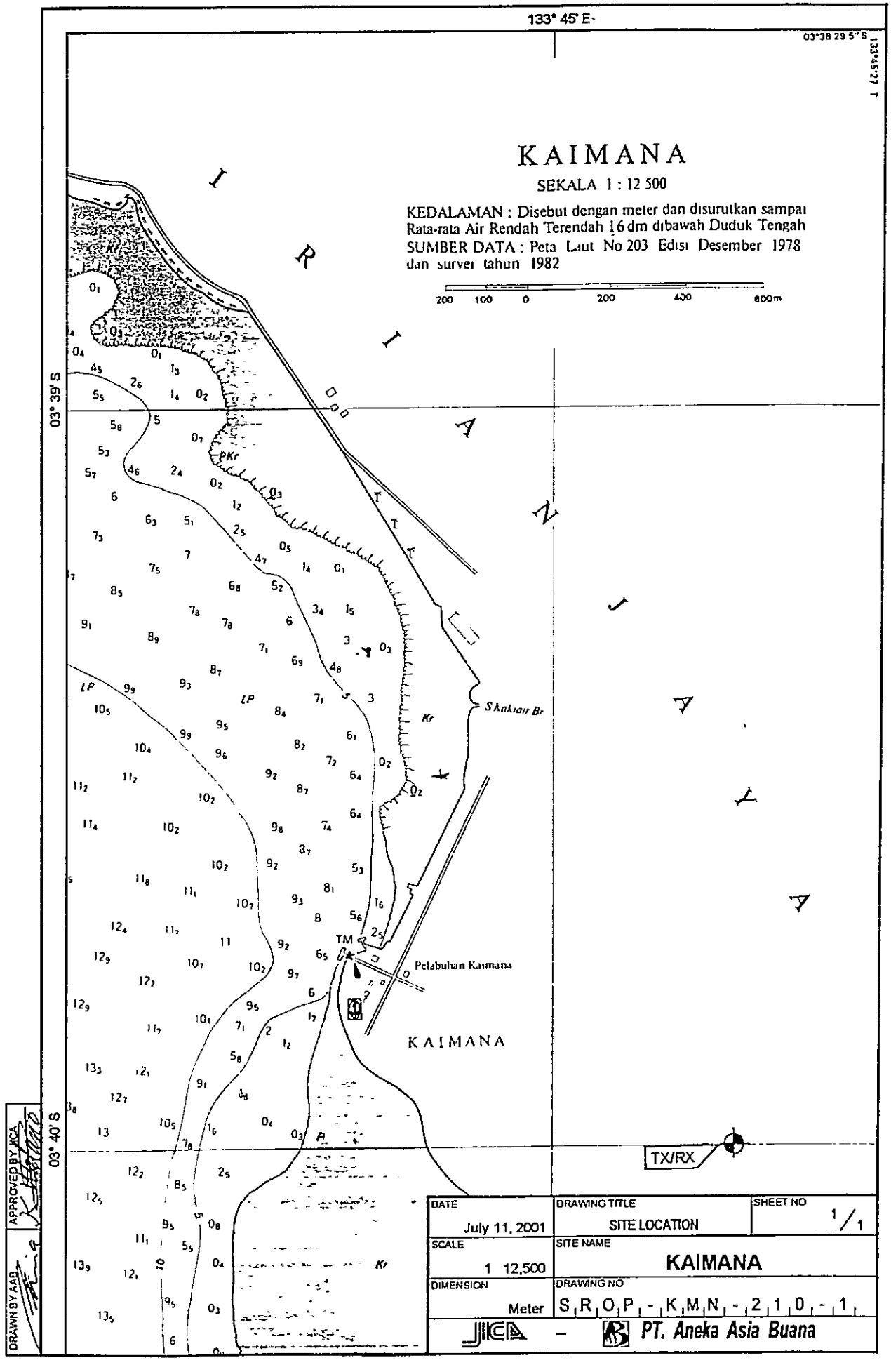
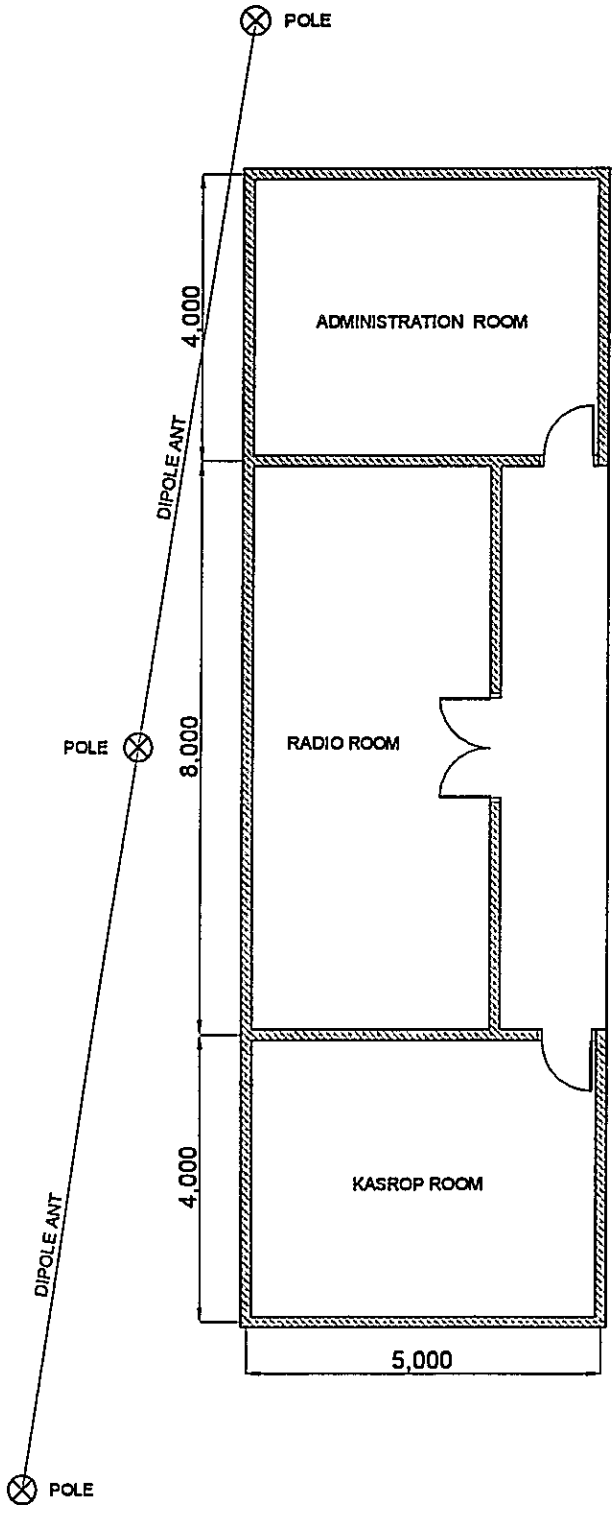
23					
24					
25					


133° 45' E
03°38 29 5" S
133°45'27" T
KAIMANA
SEKALA 1 : 12 500
KEDALAMAN : Disebut dengan meter dan disurutkan sampai Rata-rata Air Rendah Terendah 16 dm dibawah Duduk Tengah
SUMBER DATA : Peta Laut No 203 Edisi Desember 1978 dan survei tahun 1982
200 100 0 200 400 600m
03° 39' S
03° 40' S
Skakiair Br
Pelabuhan Kaimana
TM
KAIMANA
TX/RX
APPROVED BY KCA
DRAWN BY AAB
DATE
July 11, 2001
DRAWING TITLE
SITE LOCATION
SHEET NO
1/1
SCALE
1 12,500
SITE NAME
KAIMANA
DIMENSION
Meter
DRAWING NO
SROP-KMN-210-1
JICA
PT. Aneka Asia Buana

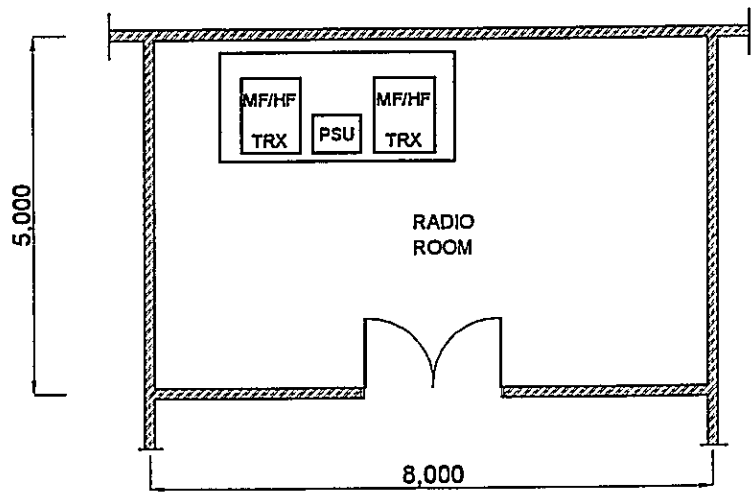


DRAWN BY AAB

APPROVED BY JICA

DATE: Sept 06, 2001	DRAWING TITLE: ANTENNA LAYOUT	SHEET NO: 1/1
SCALE: 1 : 100	SITE NAME: KAIMANA	
DIMENSION: Milimeter	DRAWING NO: SROP-KMN-210-2	

JICA – PT. Aneka Asia Buana



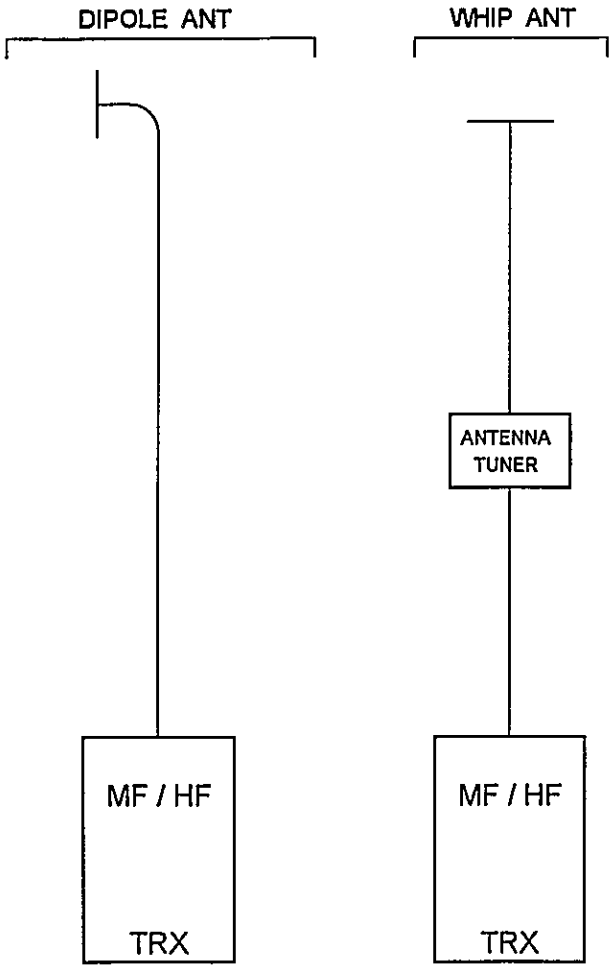
LEGEND

HF	: HIGH FREQUENCY
MF	: MEDIUM FREQUENCY
PSU	: POWER SUPPLY UNIT
TRX	: TRANSCEIVER (ING)
VHF	: VERY HIGH FREQUENCY

APPROVED BY JICA

DRAWN BY AAB

DATE: Sept 28, 2001	DRAWING TITLE: EQUIPMENT FLOOR LAYOUT	SHEET NO: 1/1
SCALE: 1 : 100	SITE NAME: KAIMANA	
DIMENSION: Milimeter	DRAWING NO: S R O P - K M N - 2 1 0 - 3	
JICA –	PT. Aneka Asia Buana	



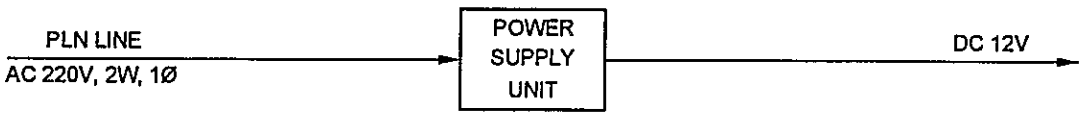
LEGEND

ANT : ANTENNA
HF : HIGH FREQUENCY
MF : MEDIUM FREQUENCY
TRX : TRANSCEIVER

DATE: Sept 28 , 2001	DRAWING TITLE: SYSTEM BLOCK DIAGRAM	SHEET NO: 1/1
SCALE: No Scale	SITE NAME: KAIMANA	
DIMENSION: Milimeter	DRAWING NO: S,R,O,P,-,K,M,N,-,2,1,0,-,5,	
JICA –	PT. Aneka Asia Buana	

APPROVED BY JICA

DRAWN BY AAB



LEGEND

AC : ALTERNATING CURRENT
V : VOLT
W : WIRE
Ø : PHASE

APPROVED BY JICA

DRAWN BY AAB

DATE: Sept 28 , 2001	DRAWING TITLE: POWER BLOCK DIAGRAM	SHEET NO: 1/1
SCALE: No Scale	SITE NAME: KAIMANA	
DIMENSION: Milimeter	DRAWING NO: SROP-KMN-210-6	
JICA –	PT. Aneka Asia Buana	

Maritime Telecommunication Facilities: Inventory, Plant Records and Outlook-2001

4th-A Class Coast Station

Bintuni

(Coast Station No. 211)

Table of Content

- ☑ Summary of Coast Station
- ☑ Inventory
- ☑ Status of Trouble
- ☑ Operation Schedule (Frequencies)

TRX Drawings:

- ☑ Site Location
- ☑ Antenna Layout
- ☑ Equipment Floor Layout
- ☐ E/G Floor Layout
- ☑ System Block Diagram
- ☑ Power Block Diagram

Note :

- ☑ Available in this list
- ☒ Not Available in this list
- ☐ Unnecessary in this list
- * Combined in one drawing

JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)

November 2001

SUMMARY OF COAST STATION

SITE	BINTUNI		
CLASS	4th-A	NO.	211

1. LOCATION

Station	Address	Tel.	Fax	Longitude	Latitude
TX/RX	Pelabuhan Bintuni			133° 30′ 04″ E	02° 07′ 11″ S

2. GENERAL CONDITIONS

Moving from Jakarta				Site Access from Port	Road Traffic	Accommodation	Population
By Air	to Biak	[Taking time:	8.00 hr.]	☐ Highway	☑ Heavy	☐ Hotel	22,315
By Air	to Manokwari	[Taking time:	0:45 hr.]	☑ Paved	☐ Medium	☑ Motel	
By Air	to Bintuni	[Taking time:	0.45 hr.]	☐ Unpaved road	☐ Light		
					☐ None		

3. CONDITIONS OF STATION

Refer to attached drawing

3.1 Site Conditions

Topography	Nature of Soil		Past disaster of site	Confirmation of existing system	
☑ Flat	☐ Dry soil	☐ Limestone	☐ Flood	Yes	No
☐ Slope	☑ Ordinary	☐ Gravel	☐ Flood Tide	☑ Antenna	☐
☐ Hill-top	☐ Swampy	☐ Rocky	☐ Rain Leakage	☑ Towers (Masts)	☐
☐ Basin	☐ Clay		☐ Ground Subsidence	☐ Grounding system	☑
☐ Valley	☐ Sandy			☐ Lightning system	☑
Altitude	6.00 M		**Telephone Lines**	☐ Feeder Cable Way	☑
Land area	375.00 m²		☐ Lines	☐ City water	☑

3.2 Building Conditions

Constructions	
Num. of story	
Structure	
Type of roof	
Type of ceiling	
Type of wall	
Wall finish	
Flooring	
Room Area (m²)	
Operation room	30.00
E / G room	
Remark	

3.3 Power Source

	PLN Source	E/G
Voltage	220 V	V
Phase	1	
Wire	2	
kVA		

Quality of PLN source		
Fluctuations	V ± %	
Availability of power per day		Hours
Power interruption /month		4 Times
Total interpt. hours /month		180 Hours
Max. interpt. hours at once		2,600 Hours

Existing Power Conditions		
Good	Bad	
☑	☐	Power Supply System
☐	☐	Operations of E/G
☐	☐	Operations of AVR

Capacity of fuel for engine	
Day tank	Liter
Main tank	k Liter

E/G Stand-by System	
☐	Single System
☐	Dual System

4. OPERATION AND MAINTENANCE

Actions taken in equipment failure	
Restoration flow	Send to Disnav Sorong
Examples of major failure	SSB Equipment
Sufficiency of spares	Not enough

Records of damages		Environmental Conditions		
		Good	Bad	
☐ Heavy rainfall		☑	☐	External noises
☐ Storm		☐	☐	Air pollution
☐ Lightning				
☐ Other calamity				

Institutional and Human Statuses			
1 Budget	☐ Sufficient	☐ Reasonable	☑ Insufficient
2 Spares	☐ Enough	☐ Reasonable	☑ Not enough
3 Measuring eqpt./tools	☐ Enough	☐ Reasonable	☑ Not enough
4 Number of Operator	☐ Enough	☐ Reasonable	☑ Not enough
5 Number of Technician	☐ Enough	☐ Reasonable	☑ Not enough
6 Capability of Operator	☑ Skilled	☐ Not so bad	☐ Not capable
7 Capability of Technician	☐ Skilled	☐ Not so bad	☑ Not capable

5. PERSONNEL FORMATIONS

	TX/RX	
Chief	1	
Operator (skilled)	1 ()	()
Technician (skilled)	()	()
Administrator		
Total	2	

Training Record				
Course	Class	Location	Period	Trainee

SUMMARY OF COAST STATION

SITE	BINTUNI		
CLASS	4th-A	NO.	211

6. STATISTICAL COMMUNICATION TRAFFIC DATA

Maritime Safety					Public Telecommunication Service							
Years	TG	TEL	DSC	NBDP	Years	Telephone		TG Call	Years	Telephone		TG Call
						Call	Minute			Call	Minute	
1996					1991				1996			
1997					1992				1997			
1998					1993				1998			
1999					1994				1999			
2000					1995				2000			

7. COMMENTS

Suggestion	Bintuni Coast Station visited by foreign Ships and private Company ships such as wooden export ship, Petroleum and Gas ship In accordance with Government Program, Year 2001, Sub-district Bintuni will be district of Teluk Bintuni which will supervise 4 Sub-districts ; Bintuni, Babo, Arandai and Mardey :
Remarks	

INVENTORY

Site Name: Bintuni

No	Registered No.	Description	Type	Serial No	Manufacturer	Date	Reference	Maintenance Record	Condition
1		**Radio Equipment**							
1-1		**MF/HF System**							
1		SSB Transceiver	FT-80C	3H991192	Yaesu	1992			65% Good
2		**Tower & Antenna System**							
2-1		**Tower & Mast**							
1		12mH Antenna Pole	Steel Pipe		Local	1992			Good
2-2		**Antenna System**							
1		MF/HF Antenna	Dipole		Local	1992			Good
2-3		**Antenna Matching Unit**							
1		Balun Transformer							Good
3		**Power Supply Equipment**							
3-1		**Power Supply Adaptor & UPS**							
1		Power Supply Unit 220V - 12v/25A							Good
2		Solar Cell Unit - 12V output							Good
3		Battery 12V/200AH							Good

STATUS OF TROUBLES

SITE NAME : BINTUNI **BTN-211-(1/1)**

Item / Equipment	SSB Transceiver / -		
Manufacturer	Yaesu		
Manufacturer in year	1992		
Defective panel / unit	-		
Details of Trouble Status	Cause doe to:	Urgency of Repair	Repairing to be:
	☑ Aging		☐ Immediacy
	☐ Lightning		☐ By next year budget
	☐ Corrosion		☑ By next project
	☐ Lack of Spares		☐ Unnecessary
	☐ Others		

General Comment for Maintenance:

Caused by limitation of operational budget
Spare part is difficult to find out
Spare part price is very expensive and difficult to find out

OPERATION SCHEDULE (FREQUENCIES)

Site Name: Bintuni

BTN-211-(1/1)

Call Sign : Mobile Service : PKY.33
Fix Service :

	FREQUENCY (kHz)	EMISSION	POWER (W)	UTC 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24	REMARK
	Mobile Service				
1	2.182,0	J3E	100		
2	6 215,0	J3E	100		
	Fix Service				
3	6 926,0	R3E	100		
4					
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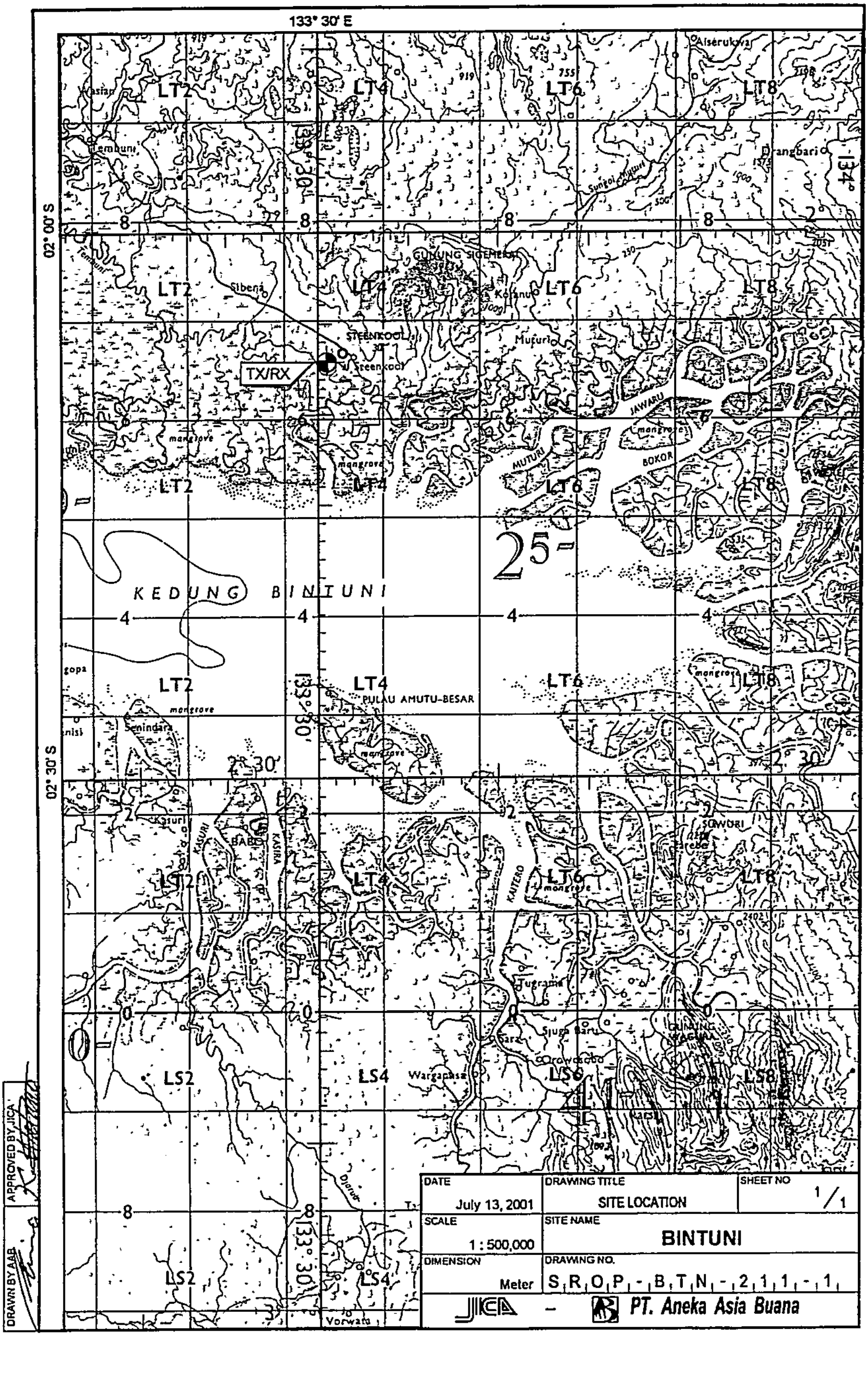
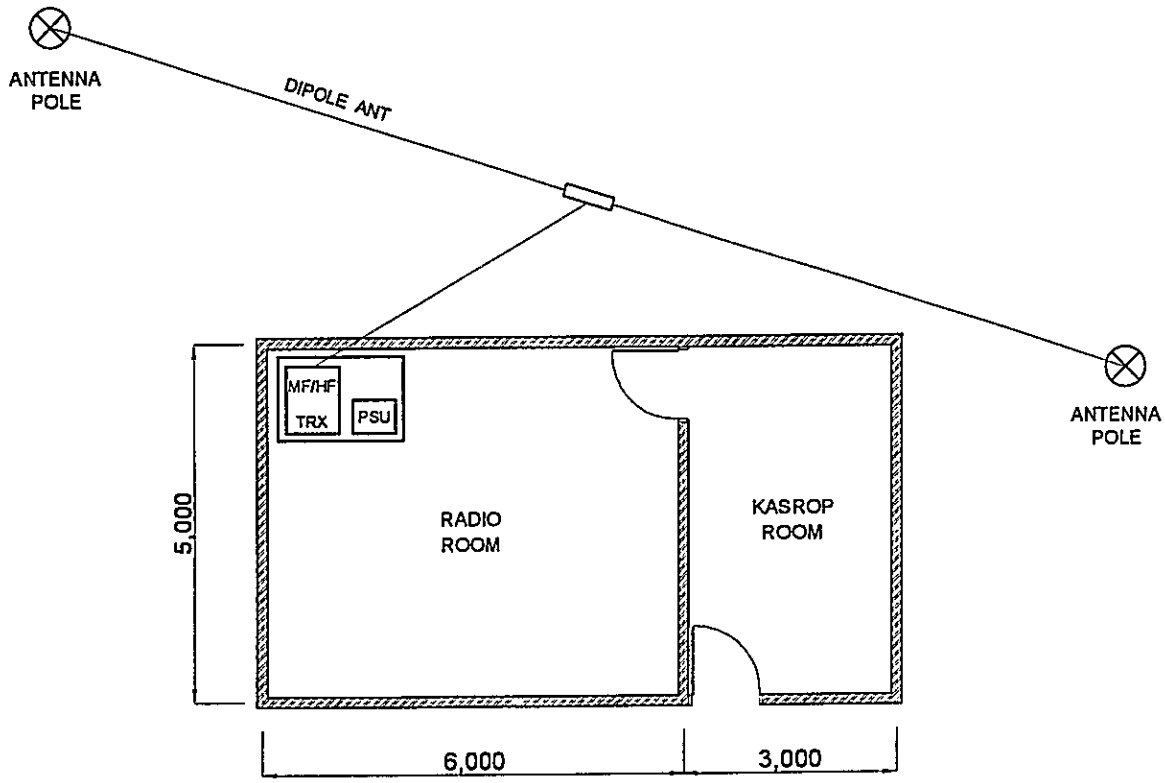


DATE	DRAWING TITLE	SHEET NO
July 13, 2001	SITE LOCATION	1/1
SCALE	SITE NAME	
1 : 500,000	BINTUNI	
DIMENSION	DRAWING NO.	
Meter	SROP-BTN-211-1	

JICA - PT. Aneka Asia Buana



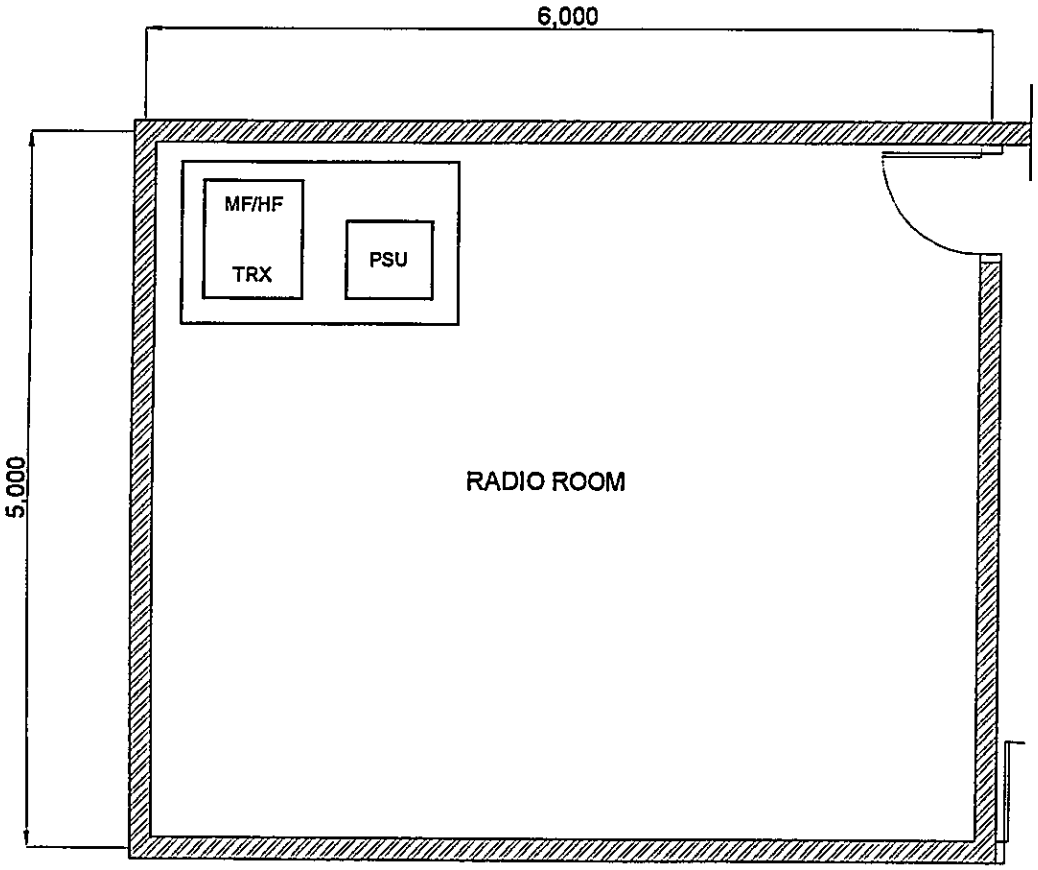
LEGEND

HF . HIGH FREQUENCY
MF : MEDIUM FREQUENCY
PSU : POWER SUPPLY UNIT
TRX : TRANSCEIVER (ING)

APPROVED BY JICA

DRAWN BY AAB

DATE: Sept 28, 2001	DRAWING TITLE: ANTENNA LAYOUT	SHEET NO: 1/1
SCALE: 1 : 100	SITE NAME: BINTUNI	
DIMENSION: Milimeter	DRAWING NO: S,R,O,P,-,B,T,N,-,2,1,1,-,2,	
JICA -	PT. Aneka Asia Buana	



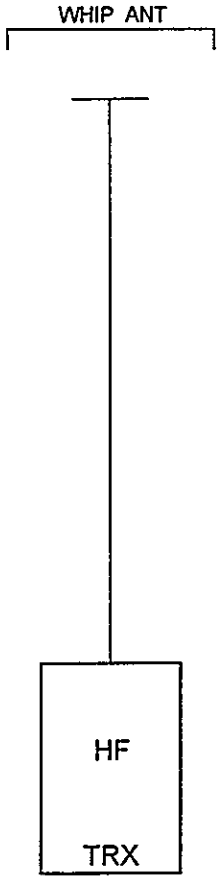
LEGEND

HF : HIGH FREQUENCY
MF : MEDIUM FREQUENCY
PSU : POWER SUPPLY UNIT
TRX : TRANSCEIVER (ING)

DATE: Sept 28, 2001	DRAWING TITLE: EQUIPMENT FLOOR LAYOUT	SHEET NO: 1/1
SCALE: 1 : 50	SITE NAME: **BINTUNI**	
DIMENSION: Milimeter	DRAWING NO: S,R,O,P,-,B,T,N,-,2,1,1,-,3,	
JICA –	PT. Aneka Asia Buana	

APPROVED BY JICA

DRAWN BY AAB



LEGEND

ANT : ANTENNA
HF : HIGH FREQUENCY
TRX : TRANSCEIVER

DATE: July 30, 2001	DRAWING TITLE: SYSTEM BLOCK DIAGRAM	SHEET NO: 1/1
SCALE: No Scale	SITE NAME: BINTUNI	
DIMENSION: Milimeter	DRAWING NO: SROP-BTN-211-5	
JICA – PT. Aneka Asia Buana		

APPROVED BY JICA.

DRAWN BY AAB

LEGEND

AC · ALTERNATING CURRENT
V : VOLT
W · WIRE / WATT
Ø . PHASE

APPROVED BY JICA

DRAWN BY AAB

DATE: July 30, 2001	DRAWING TITLE: POWER BLOCK DIAGRAM	SHEET NO: 1/1
SCALE: No Scale	SITE NAME: BINTUNI	
DIMENSION: Milimeter	DRAWING NO.: SROP-BTN-211-6	
JICA – PT. Aneka Asia Buana		

Maritime Telecommunication Facilities: Inventory, Plant Records and Outlook-2001

4th-A Class Coast Station

Amamapare

(Coast Station No. 212)

Table of Content

- ☑ Summary of Coast Station
- ☑ Inventory
- ☐ Status of Trouble
- ☑ Operation Schedule (Frequencies)

TRX Drawings:

- ☑ Site Location
- ☒ Antenna Layout
- ☒ Equipment Floor Layout
- ☒ E/G Floor Layout
- ☑ System Block Diagram
- ☑ Power Block Diagram

Note :

- ☑ Available in this list
- ☒ Not Available in this list
- ☐ Unnecessary in this list
- * Combined in one drawing

JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)

November 2001

SUMMARY OF COAST STATION

SITE	AMAMAPARE		
CLASS	4th-A	NO.	212

1. LOCATION

Station	Address	Tel.	Fax	Longitude	Latitude
TX/RX	Pomako, Mimika - Sorong			136° 48′ 00″ E	04° 53′ 00″ S

2. GENERAL CONDITIONS

Moving from Jakarta			Site Access from Port	Road Traffic	Accommodation	Population
By Air	to Biak	[Taking time. 8.00 hr.]	☐ Highway	☐ Heavy	☑ Hotel	
By Air	to Amamapare	[Taking time: 2.00 hr.]	☑ Paved	☐ Medium	☐ Motel	
By Car	to Location	[Taking time: 0:30 hr.]	☐ Unpaved road	☑ Light		
				☐ None		

3. CONDITIONS OF STATION

Refer to attached drawing

3.1 Site Conditions

Topography	Nature of Soil		Past disaster of site	Confirmation of existing system	
☑ Flat	☐ Dry soil	☐ Limestone	☐ Flood	Yes	No
☐ Slope	☑ Ordinary	☐ Gravel	☐ Flood Tide	☑ Antenna	☐
☐ Hill-top	☐ Swampy	☐ Rocky	☐ Rain Leakage	☐ Towers (Masts)	☑
☐ Basin	☐ Clay		☐ Ground Subsidence	☐ Grounding system	☑
☐ Valley	☐ Sandy			☐ Lightning system	☑
Altitude	M		Telephone Lines	☐ Feeder Cable Way	☑
Land area	1,000 m²		☐ Lines	☐ City water	☑

3.2 Building Conditions

Constructions	
Num. of story	One
Structure	Concrete
Type of roof	Zinc
Type of ceiling	Triplex
Type of wall	Brick
Wall finish	Mortar
Flooring	
Room Area (m²)	
Operation room	80.00
E / G room	
Remark	

3.3 Power Source

	PLN Source	E/G
Voltage	V	220 V
Phase		
Wire		
kVA		3

Quality of PLN source		
Fluctuations	V ± %	
Availability of power per day		Hours
Power interruption /month		Times
Total interpt. hours /month		Hours
Max. interpt. hours at once		Hours

Existing Power Conditions	Good	Bad
☑ ☐ Power Supply System	☑	☐
☐ ☐ Operations of E/G	☐	☐
☐ ☐ Operations of AVR	☐	☐

Capacity of fuel for engine	
Day tank	5 Liter
Main tank	k Liter

E/G Stand-by System	
☑	Single System
☐	Dual System

4. OPERATION AND MAINTENANCE

Actions taken in equipment failure	
Restoration flow	Reported to Disnav Sorong
Examples of major failure	SSB and Office Maintenance
Sufficiency of spares	

Records of damages		Environmental Conditions	Good	Bad
☐ Heavy rainfall				
☐ Storm		☑	☐	External noises
☐ Lightning		☑	☐	Air pollution
☐ Other calamity				

Institutional and Human Statuses				
1	Budget	☐ Sufficient	☐ Reasonable	☑ Insufficient
2	Spares	☐ Enough	☐ Reasonable	☑ Not enough
3	Measuring eqpt./tools	☐ Enough	☐ Reasonable	☑ Not enough
4	Number of Operator	☐ Enough	☑ Reasonable	☐ Not enough
5	Number of Technician	☐ Enough	☐ Reasonable	☑ Not enough
6	Capability of Operator	☐ Skilled	☐ Not so bad	☑ Not capable
7	Capability of Technician	☐ Skilled	☐ Not so bad	☑ Not capable

5. PERSONNEL FORMATIONS

	TX/RX	
Chief	1	
Operator (skilled)	()	()
Technician (skilled)	()	()
Administrator		
Total	1	

Training Record				
Course	Class	Location	Period	Trainee

SUMMARY OF COAST STATION

SITE	AMAMAPARE		
CLASS	4th-A	NO.	212

6. STATISTICAL COMMUNICATION TRAFFIC DATA

Maritime Safety					Public Telecommunication Service							
Years	TG	TEL	DSC	NBDP	Years	Telephone		TG Call	Years	Telephone		TG Call
						Call	Minute			Call	Minute	
1996		936			1991				1996			
1997		947			1992				1997			
1998		955			1993				1998			
1999		970			1994				1999			
2000		990			1995				2000			

7. COMMENTS

Suggestion	Maritime telecommunication is very important, but Coast Station office building is not sufficient with the area condition
Remarks	

INVENTORY

Site Name: Amamapare

No	Registered No.	Description	Type	Serial No	Manufacturer	Date	Reference	Maintenance Record	Condition
1		**Radio Equipment**							
1-1		**MF/HF System**							
1		SSB Transceiver	IC-M700		ICOM	1992			Good
2		**Tower & Antenna System**							
2-1		**Tower & Mast**							
1		12mH Antenna Pole	Steel Pipe		Local	1992			Good
2-2		**Antenna System**							
1		MF/HF Antenna	Dipole		Local	1992			Good
2-3		**Antenna Matching Unit**							
1		Balun Transformer							Good
3		**Power Supply Equipment**							
3-1		**Power Supply Adaptor & UPS**							
1		Power Supply Unit 220V - 12v/25A				1992			Good
2		Battery 12V/200AH							
3-2		**Engine Generator**							
1		Engine Generator (3 kVA)							Good

OPERATION SCHEDULE (FREQUENCIES)

Site Name: Amamapare

AMP-212-(1/1)

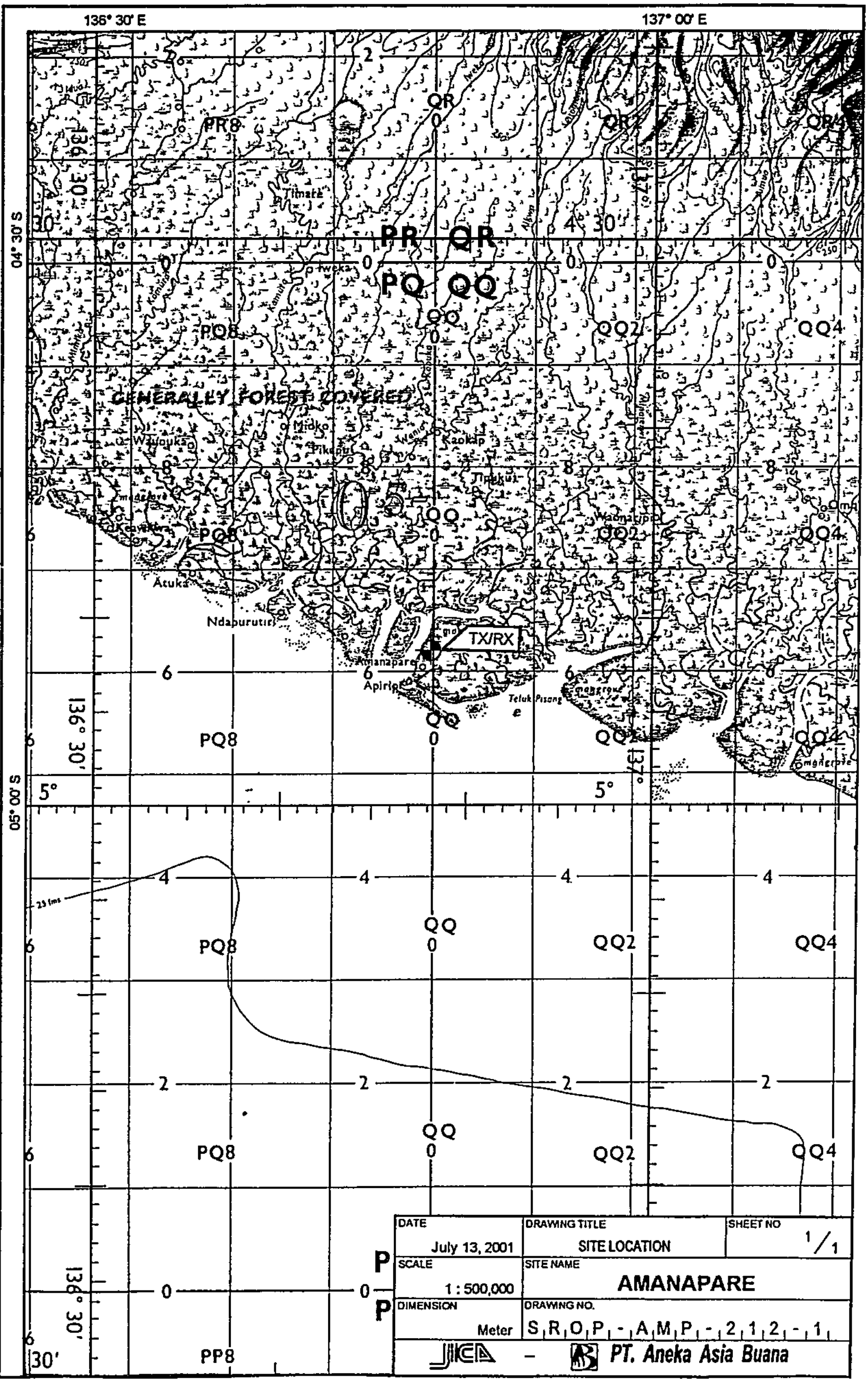
Call Sign : Mobile Service : PKY.24
Fix Service :

	FREQUENCY (kHz)	EMISSION	POWER (W)	UTC 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24	REMARK
	Mobile Service				
1	6 215,0	J3E	100		
2	2 182,0	J3E	100		
	Fix Service				
3	6.926,0	J3E	150		
4	9 925,0	J3E	150		
5	10 225,0	J3E	150		
6					
7					
8					
9					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					

INVENTORY

Site Name: Kaimana

No	Registered No.	Description	Type	Serial No	Manufacturer	Date	Reference	Maintenance Record	Condition
1		**Radio Equipment**							
1-1		**MF/HF System**							
1		SSB Transceiver	IC-M700	01263	ICOM	1989			65% Good
2		SSB Transceiver	FT- 80C	4C5627	YAESU	1994			65% Good
2		**Power Supply Equipment**							
2-1		**Power Adaptor & UPS**							
1		Power Supply	PS 8930		VEDIO	1989			Good
2		Power Supply		S/N 920487	YAESU	1994			Good
3		Battery Charger	HR 2415		Delta				Good
4		Battery Charger		103910	Kagoshima				Good
3		**Measuring Equipment**							
1		Avo Meter			Sanwa				Good

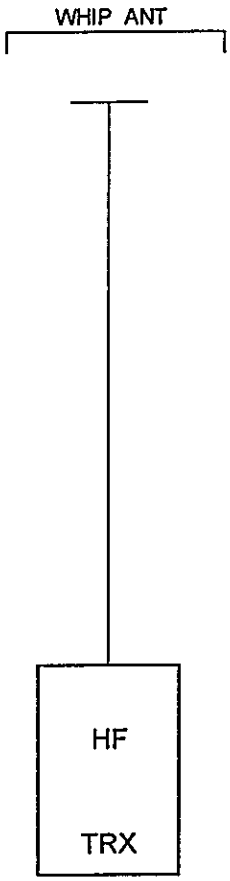


DATE	DRAWING TITLE	SHEET NO
July 13, 2001	SITE LOCATION	1/1
SCALE	SITE NAME	
1 : 500,000	AMANAPARE	
DIMENSION	DRAWING NO.	
Meter	SROP-AMP-212-1	

JICA – PT. Aneka Asia Buana

APPROVED BY JICA

DRAWN BY AAB



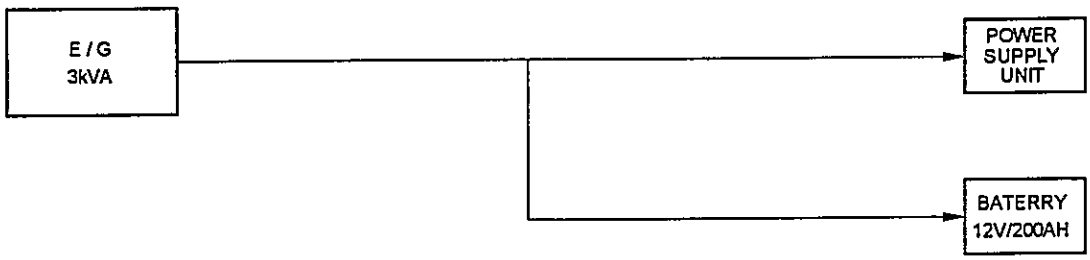
LEGEND

ANT : ANTENNA
HF : HIGH FREQUENCY
TRX : TRANSCEIVER (ING)

DATE: Sept 28, 2001	DRAWING TITLE: SYSTEM BLOCK DIAGRAM	SHEET NO: 1/1
SCALE: No Scale	SITE NAME: **AMAMAPARE**	
DIMENSION: Milimeter	DRAWING NO.: SROP-AMP-212-5	
JICA - PT. Aneka Asia Buana		

DRAWN BY AAB

APPROVED BY JICA



LEGEND

E/G : ENGINE GENERATOR
kVA : KILO VOLT AMPERE

DATE: Sept 28, 2001	DRAWING TITLE: POWER BLOCK DIAGRAM	SHEET NO: 1/1
SCALE: No Scale	SITE NAME: AMAMAPARE	
DIMENSION: Milimeter	DRAWING NO: SROP-AMP-212-.6,	
JICA – PT. Aneka Asia Buana		

APPROVED BY JICA

DRAWN BY AAB

Maritime Telecommunication Facilities: Inventory, Plant Records and Outlook-2001

4th-B Class Coast Station

Teminubuan

(Coast Station No. 213)

Table of Content

- ☑ Summary of Coast Station
- ☑ Inventory
- ☐ Status of Trouble
- ☑ Operation Schedule (Frequencies)

TRX Drawings:

- ☑ Site Location
- ☑ Antenna Layout
- ☑ Equipment Floor Layout
- ☐ E/G Floor Layout
- ☑ System Block Diagram
- ☑ Power Block Diagram

Note :

- ☑ Available in this list
- ☒ Not Available in this list
- ☐ Unnecessary in this list
- * Combined in one drawing

JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)

November 2001

SUMMARY OF COAST STATION

SITE	TEMINUBUAN		
CLASS	4th-B	NO.	213

1. LOCATION

Station	Address	Tel.	Fax	Longitude	Latitude
TX/RX	Pelabuhan, Teminubuan			132° 00′ 00″ E	01° 27′ 00″ S

2. GENERAL CONDITIONS

Moving from Jakarta	Site Access from Port	Road Traffic	Accommodation	Population
By Air to Sorong [Taking time: 7.00 hr.]	☐ Highway	☐ Heavy	☐ Hotel	
By Ship to Teminubuan [Taking time: 12.00 hr.]	☑ Paved	☑ Medium	☑ Motel	
	☐ Unpaved road	☐ Light		
		☐ None		

3. CONDITIONS OF STATION

Refer to attached drawing

3.1 Site Conditions

Topography	Nature of Soil		Past disaster of site	Confirmation of existing system
☐ Flat	☐ Dry soil	☐ Limestone	☐ Flood	Yes No
☐ Slope	☑ Ordinary	☐ Gravel	☐ Flood Tide	☑ ☐ Antenna
☐ Hill-top	☐ Swampy	☐ Rocky	☐ Rain Leakage	☐ ☑ Towers (Masts)
☐ Basin	☐ Clay		☐ Ground Subsidence	☐ ☑ Grounding system
☑ Valley	☐ Sandy			☐ ☑ Lightning system
Altitude	**M**		**Telephone Lines**	☐ ☑ Feeder Cable Way
Land area	80.00 **m²**		☐ Lines	☐ ☑ City water

3.2 Building Conditions

Constructions	
Num. of story	
Structure	
Type of roof	
Type of ceiling	
Type of wall	
Wall finish	
Flooring	
Room Area (m²)	
Operation room	40.00
E / G room	
Remark	Office Building belong to Kanpel

3.3 Power Source

	PLN Source	E/G
Voltage	220 V	V
Phase	1	
Wire	2	
kVA		

Quality of PLN source		
Fluctuations	V ± %	
Availability of power per day		Hours
Power interruption /month		Times
Total interpt. hours /month		Hours
Max. interpt. hours at once		Hours

Existing Power Conditions		
Good	Bad	
☑	☐	Power Supply System
☐	☐	Operations of E/G
☐	☐	Operations of AVR

Capacity of fuel for engine	
Day tank	Liter
Main tank	k Liter

E/G Stand-by System

☐ Single System

☐ Dual System

4. OPERATION AND MAINTENANCE

Actions taken in equipment failure	
Restoration flow	
Examples of major failure	
Sufficiency of spares	

Records of damages		Environmental Conditions		
		Good	Bad	
☐ Heavy rainfall				
☐ Storm		☑	☐	External noises
☐ Lightning		☑	☐	Air pollution
☐ Other calamity				

Institutional and Human Statuses				
1	Budget	☐ Sufficient	☐ Reasonable	☐ Insufficient
2	Spares	☐ Enough	☐ Reasonable	☐ Not enough
3	Measuring eqpt./tools	☐ Enough	☐ Reasonable	☐ Not enough
4	Number of Operator	☐ Enough	☐ Reasonable	☐ Not enough
5	Number of Technician	☐ Enough	☐ Reasonable	☐ Not enough
6	Capability of Operator	☐ Skilled	☐ Not so bad	☐ Not capable
7	Capability of Technician	☐ Skilled	☐ Not so bad	☐ Not capable

5. PERSONNEL FORMATIONS

	TX/RX	
Chief		
Operator (skilled)	()	()
Technician (skilled)	()	()
Administrator		
T o t a l		

Training Record				
Course	Class	Location	Period	Trainee

SUMMARY OF COAST STATION

SITE	TEMINUBUAN		
CLASS	4th-B	NO.	213

6. STATISTICAL COMMUNICATION TRAFFIC DATA

Maritime Safety					Public Telecommunication Service							
Years	TG	TEL	DSC	NBDP	Years	Telephone		TG Call	Years	Telephone		TG Call
						Call	Minute			Call	Minute	
1996					1991				1996			
1997					1992				1997			
1998					1993				1998			
1999					1994				1999			
2000					1995				2000			

7. COMMENTS

Suggestion	Request to have own office building and directly under management Disnav Sorong, because in the short time this area will be a regency and so many ship navigation is
Remarks	

INVENTORY

Site Name: Teminubuan

No	Registered No.	Description	Type	Serial No	Manufacturer	Date	Reference	Maintenance Record	Condition
1		**Radio Equipment**							
1-1		**MF/HF System**							
1		SSB Transceiver	IC-M700		ICOM				Good
2		**Tower & Antenna System**							
2-1		**Tower & Mast**							
1		12mH Antenna Pole	Steel Pipe		Local	1992			Good
2-2		**Antenna System**							
1		MF/HF Antenna	Dipole		Local	1992			Good
2-3		**Antenna Matching Unit**							
1		Balun Transformer							Good
3		**Power Supply Equipment**							
3-1		**Power Supply Adaptor & UPS**							
1		Power Supply Unit 220V - 12v/25A							Good
2		Battery 12V/200AH							Good

OPERATION SCHEDULE (FREQUENCIES)

Site Name: Teminubuan

TNB-213-(1/1)

Call Sign : Mobile Service :
Fix Service :

	FREQUENCY (kHz)	EMISSION	POWER (W)	UTC 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24	REMARK
	Mobile Service				
1	6 215,0	J3E	100		
2	2 182,0	J3E	100		
	Fix Service				
3	6 926,0	J3E	100		
4	9 925,0	J3E	100		
5	10 225,0	J3E	100		
6					
7					
8					
9					
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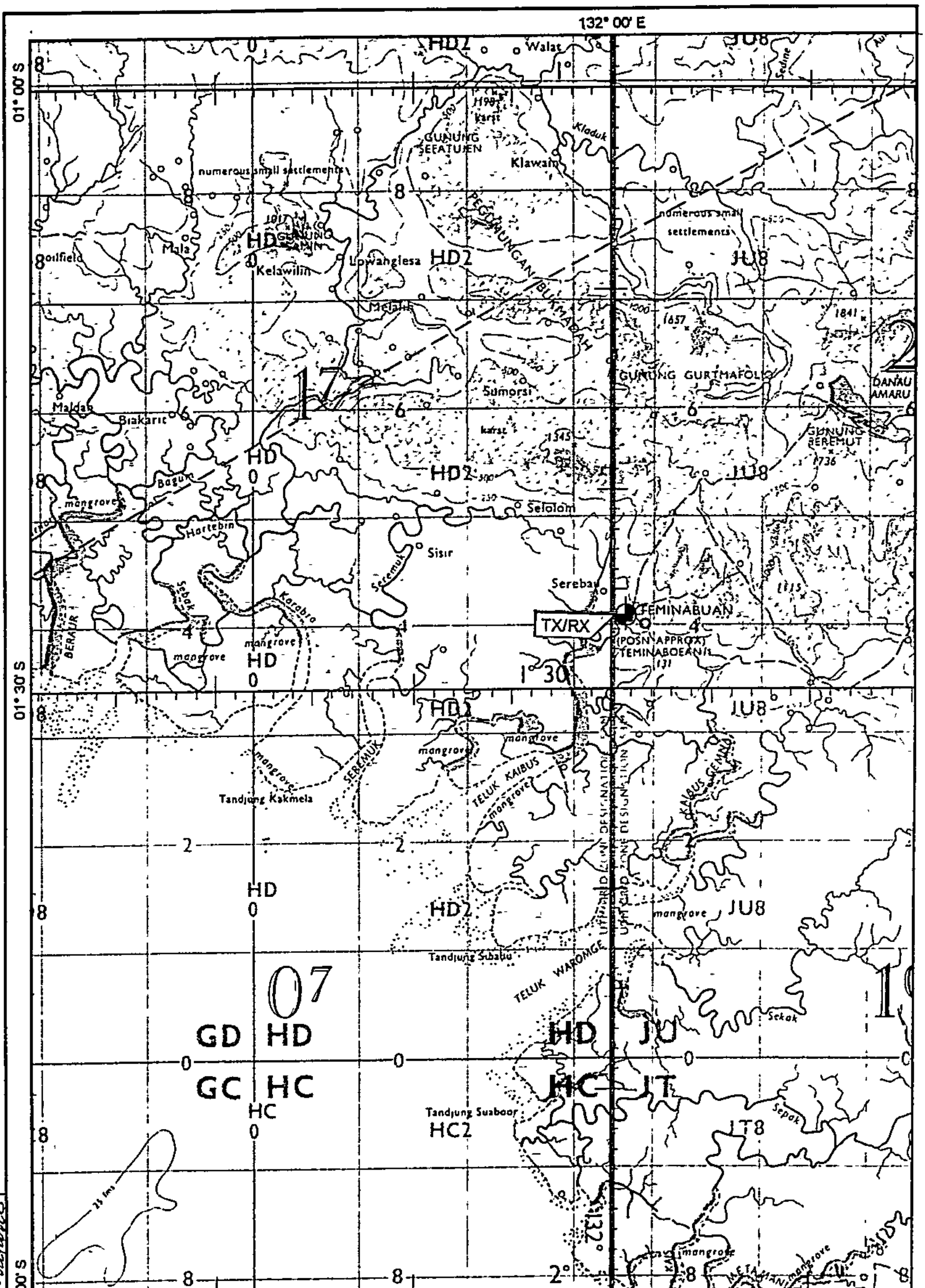
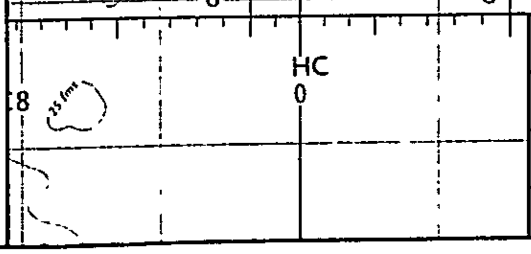
23					
24					
25					



132° 00' E
01° 00' S
01° 30' S
02° 00' S
Walas
GUNUNG SEEATUJEN
Klawain
Kladuk
numerous small settlements
numerous small settlements
PEGUNUNGAN BUKMADAH
HD2
JU8
oilfield
Mala
Kelawilin
Lowanglesa
Melalih
1657
1841
GUNUNG GURTMAFOL
DANAU AMARU
GUNUNG BEREMUT
Sumorsi
Maldan
Biakarit
karst
mangrove
Bagun
Hortebin
Selolom
Sisir
Seremuk
Serebau
Karabra
Sebak
BERAUR
TX/RX
TEMINABUAN
(POSN APPROX)
TEMINABOEAN
1° 30'
SEREMUK
TELUK KAIBUS
KAIBUS
Tandjung Kakmela
Tandjung Sabatu
TELUK WAROMGE
Tandjung Suaboor
HD
HC
HC2
JU8
JT8
Sekak
Sepak
GD
GC
JU
JT
07
17
25 fms
132°
2°
METAMANI

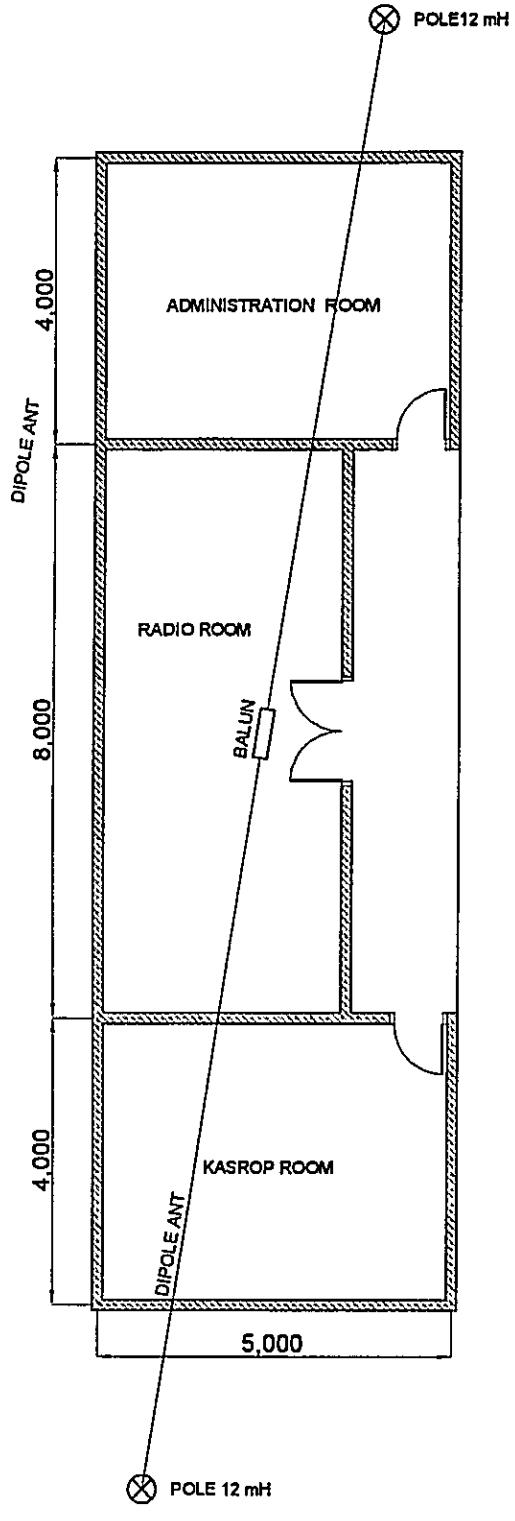


DRAWN BY AAB

APPROVED BY JICA

DATE	DRAWING TITLE	SHEET NO
July 13, 2001	SITE LOCATION	1/1
SCALE	SITE NAME	
1 : 500,000	TEMINABUAN	
DIMENSION	DRAWING NO	
Meter	S R O P - T N B - 2 1 3 - 1	

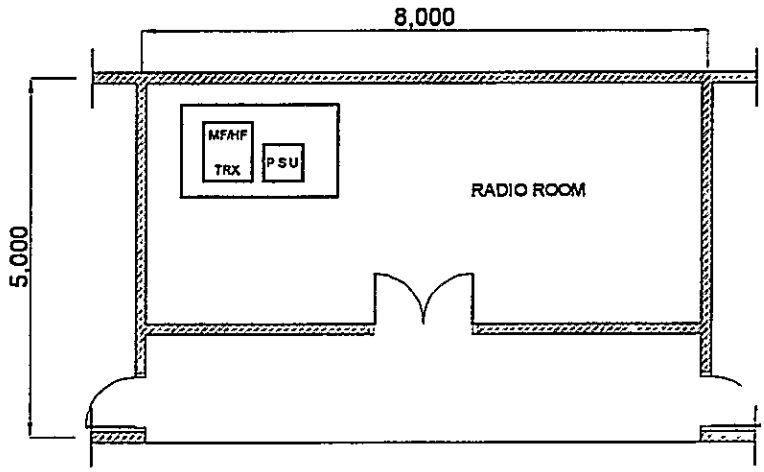
JICA - PT. Aneka Asia Buana



APPROVED BY JICA

DRAWN BY AAB

DATE: Sept 06, 2001	DRAWING TITLE: ANTENNA LAYOUT	SHEET NO: 1/1
SCALE: 1 : 100	SITE NAME: **TEMINUBUAN**	
DIMENSION: Milimeter	DRAWING NO: S,R,O,P,-,T,N,B,-,2,1,3,-,2,	
JICA – PT. Aneka Asia Buana		



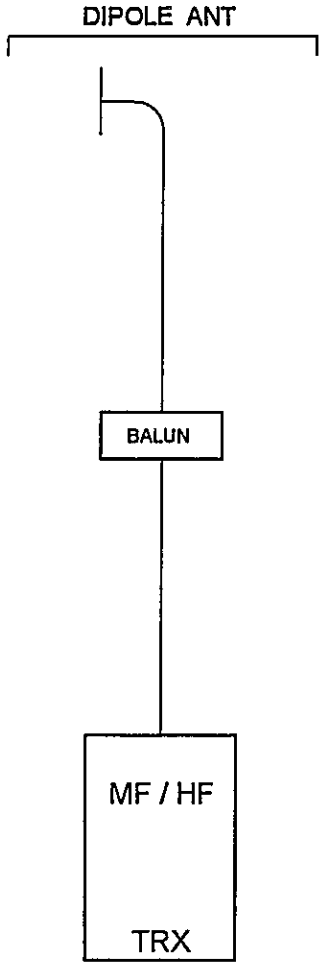
LEGEND

HF : HIGH FREQUENCY
MF : MEDIUM FREQUENCY
PSU : POWER SUPPLY UNIT
TRX : TRANSCEIVER (ING)
VHF : VERY HIGH FREQUENCY

APPROVED BY JICA :

DRAWN BY AAB

DATE: Sept 28, 2001	DRAWING TITLE: EQUIPMENT FLOOR LAYOUT	SHEET NO: 1/1
SCALE: 1 : 100	SITE NAME: TEMINUBUAN	
DIMENSION: Milimeter	DRAWING NO: S,R,O,P,-,T,N,B,-,2,1,3,-,3,	
JICA -	PT. Aneka Asia Buana	



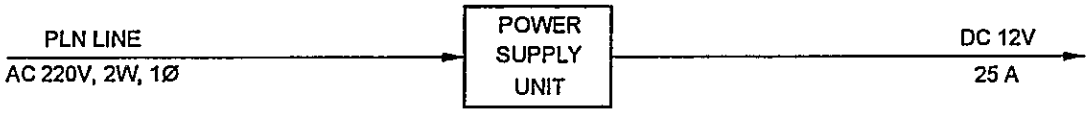
LEGEND

ANT : ANTENNA
HF : HIGH FREQUENCY
MF : MEDIUM FREQUENCY
TRX : TRANSCEIVER

DATE: Sept 28 , 2001	DRAWING TITLE: SYSTEM BLOCK DIAGRAM	SHEET NO.: 1/1
SCALE: No Scale	SITE NAME: TEMINUBUAN	
DIMENSION: Milimeter	DRAWING NO: S,R,O,P,-,T,N,B,-,2,1,3,-,5,	
JICA –	PT. Aneka Asia Buana	

APPROVED BY AICA

DRAWN BY AAB



LEGEND

AC : ALTERNATING CURRENT
V : VOLT
W : WIRE
Ø : PHASE

DATE: Sept 28 , 2001	DRAWING TITLE: POWER BLOCK DIAGRAM	SHEET NO: 1/1
SCALE: No Scale	SITE NAME: TEMINIBUAN	
DIMENSION: Milimeter	DRAWING NO: SROP-TNB-213-6	
JICA – PT. Aneka Asia Buana		

DRAWN BY AAB · APPROVED BY JICA ·

Maritime Telecommunication Facilities: Inventory, Plant Records and Outlook-2001

4th-B Class Coast Station
Kokas
(Coast Station No. 214)

Table of Content

- ☑ Summary of Coast Station
- ☑ Inventory
- ☐ Status of Trouble
- ☑ Operation Schedule (Frequencies)

TRX Drawings:
- ☑ Site Location
- ☑ Antenna Layout
- ☑ Equipment Floor Layout
- ☐ E/G Floor Layout
- ☑ System Block Diagram
- ☑ Power Block Diagram

Note :
- ☑ Available in this list
- ☒ Not Available in this list
- ☐ Unnecessary in this list
- * Combined in one drawing

JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)

November 2001

SUMMARY OF COAST STATION

SITE	KOKAS		
CLASS	4th-B	NO.	214

1. LOCATION

Station	Address	Tel.	Fax	Longitude	Latitude
TX/RX	Pelabuhan Kokas			132° 18′ 30″ E	02° 40′ 20″ S

2. GENERAL CONDITIONS

Moving from Jakarta			Site Access from Port	Road Traffic	Accommodation	Population
By Air	to Sorong	[Taking time: 7.00 hr.]	☐ Highway	☐ Heavy	☐ Hotel	
By Air	to Fak-Fak	[Taking time: 1.5 hr.]	☑ Paved	☐ Medium	☑ Motel	
By Car	to Kokas	[Taking time: 12.00 hr.]	☐ Unpaved road	☑ Light		
				☐ None		

3. CONDITIONS OF STATION

Refer to attached drawing

3.1 Site Conditions

Topography	Nature of Soil		Past disaster of site	Confirmation of existing system	
				Yes	No
☐ Flat	☐ Dry soil	☐ Limestone	☐ Flood	☑	☐ Antenna
☐ Slope	☐ Ordinary	☐ Gravel	☐ Flood Tide	☐	☑ Towers (Masts)
☐ Hill-top	☐ Swampy	☐ Rocky	☐ Rain Leakage	☐	☑ Grounding system
☐ Basin	☐ Clay		☐ Ground Subsidence	☐	☑ Lightning system
☐ Valley	☐ Sandy			☐	☑ Feeder Cable Way
Altitude	M		Telephone Lines	☐	☑ City water
Land area	80.00 m²		☐ Lines		

3.2 Building Conditions

Constructions	
Num. of story	
Structure	
Type of roof	
Type of ceiling	
Type of wall	
Wall finish	
Flooring	
Room Area (m²)	
Operation room	20.00
E / G room	
Remark	Office Building belong to Kanpel

3.3 Power Source

	PLN Source	E/G
Voltage	220 V	V
Phase	1	
Wire	2	
kVA		

Quality of PLN source		
Fluctuations	V ± %	
Availability of power per day		Hours
Power interruption /month		Times
Total interpt. hours /month		Hours
Max. interpt. hours at once		Hours

Existing Power Conditions	Good	Bad
☑ ☐ Power Supply System	☑	☐
☐ ☐ Operations of E/G	☐	☐
☐ ☐ Operations of AVR	☐	☐

Capacity of fuel for engine	
Day tank	Liter
Main tank	k Liter

E/G Stand-by System

☐ Single System

☐ Dual System

4. OPERATION AND MAINTENANCE

Actions taken in equipment failure

Restoration flow	
Examples of major failure	
Sufficiency of spares	

Records of damages		Environmental Conditions		
		Good	Bad	
☐ Heavy rainfall				
☐ Storm		☐	☑	External noises
☐ Lightning		☐	☑	Air pollution
☐ Other calamity				

Institutional and Human Statuses

1	Budget	☐ Sufficient	☐ Reasonable	☐ Insufficient
2	Spares	☐ Enough	☐ Reasonable	☐ Not enough
3	Measuring eqpt./tools	☐ Enough	☐ Reasonable	☐ Not enough
4	Number of Operator	☐ Enough	☐ Reasonable	☐ Not enough
5	Number of Technician	☐ Enough	☐ Reasonable	☐ Not enough
6	Capability of Operator	☐ Skilled	☐ Not so bad	☐ Not capable
7	Capability of Technician	☐ Skilled	☐ Not so bad	☐ Not capable

5. PERSONNEL FORMATIONS

	TX/RX	
Chief		
Operator (skilled)	()	()
Technician (skilled)	()	()
Administrator		
T o t a l		

Training Record

Course	Class	Location	Period	Trainee

SUMMARY OF COAST STATION

SITE	KOKAS		
CLASS	4th-B	NO.	214

6. STATISTICAL COMMUNICATION TRAFFIC DATA

Maritime Safety					Public Telecommunication Service							
Years	TG	TEL	DSC	NBDP	Years	Telephone		TG Call	Years	Telephone		TG Call
						Call	Minute			Call	Minute	
1996					1991				1996			
1997					1992				1997			
1998					1993				1998			
1999					1994				1999			
2000					1995				2000			

7. COMMENTS

Suggestion	Communications in this area is very important, but there is no Coast Station Office Building and no operator from Navigation For the time being it is handled by Kakanpel Kokas
Remarks	

INVENTORY

Site Name: Kokas

No	Registered No.	Description	Type	Serial No	Manufacturer	Date	Reference	Maintenance Record	Condition
1		**Radio Equipment**							
1-1		**MF/HF System**							
1		SSB Transceiver	IC-M700		ICOM				Good
2		**Tower & Antenna System**							
2-1		**Tower & Mast**							
1		12mH Antenna Pole	Steel Pipe		Local				Good
2-2		**Antenna System**							
1		MF/HF Antenna	Dipole		Local				Good
2-3		**Antenna Matching Unit**							
1		Balun Transformer							Good
3		**Power Supply Equipment**							
3-1		**Power Supply Adaptor & UPS**							
1		Power Supply Unit 220V - 12v/25A							Good
2		Battery 12V/200AH							Good

Sorong

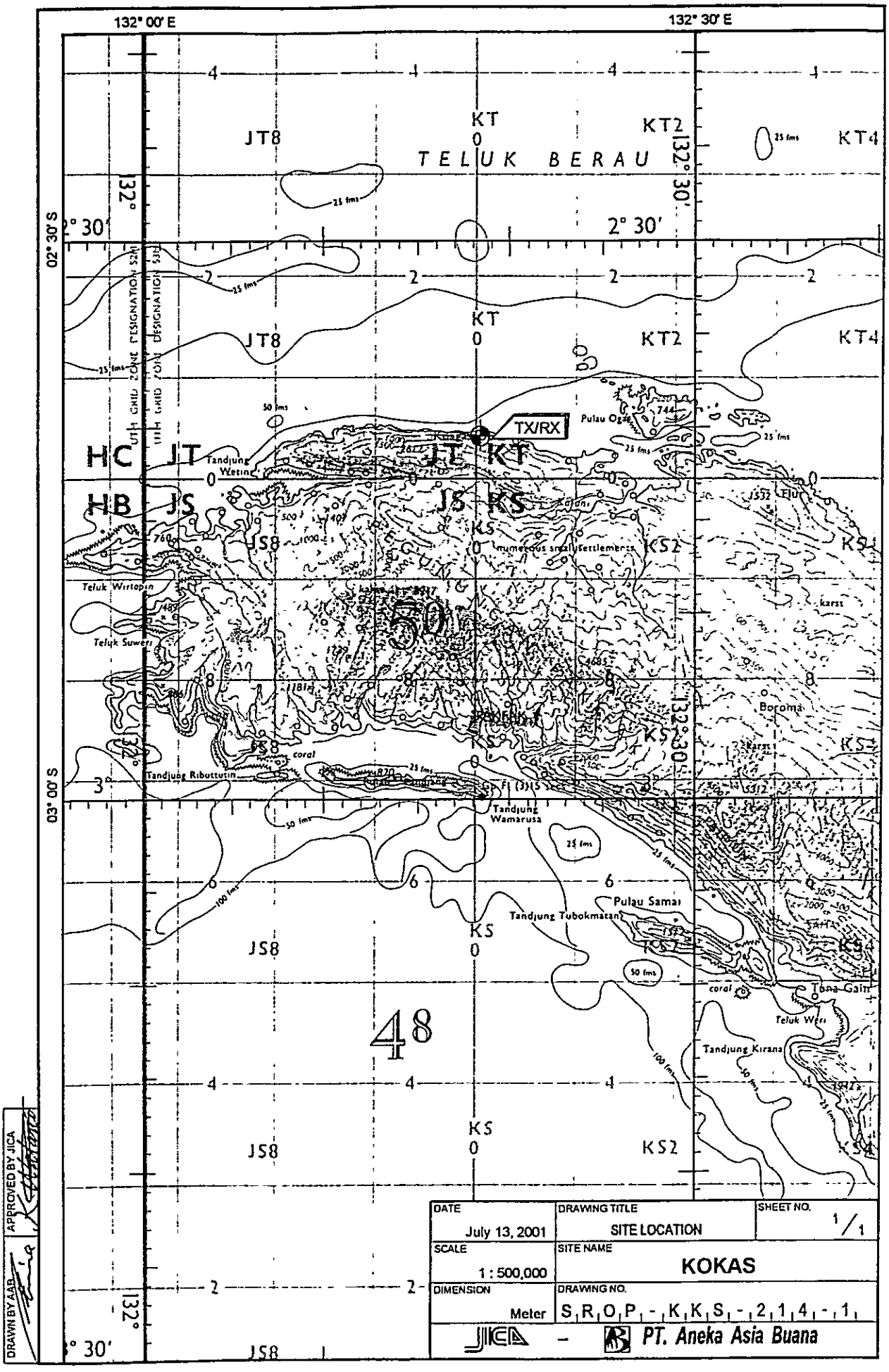
OPERATION SCHEDULE (FREQUENCIES)

Site Name: Kokas

KKS-214-(1/1)

Call Sign : Mobile Service :
Fix Service

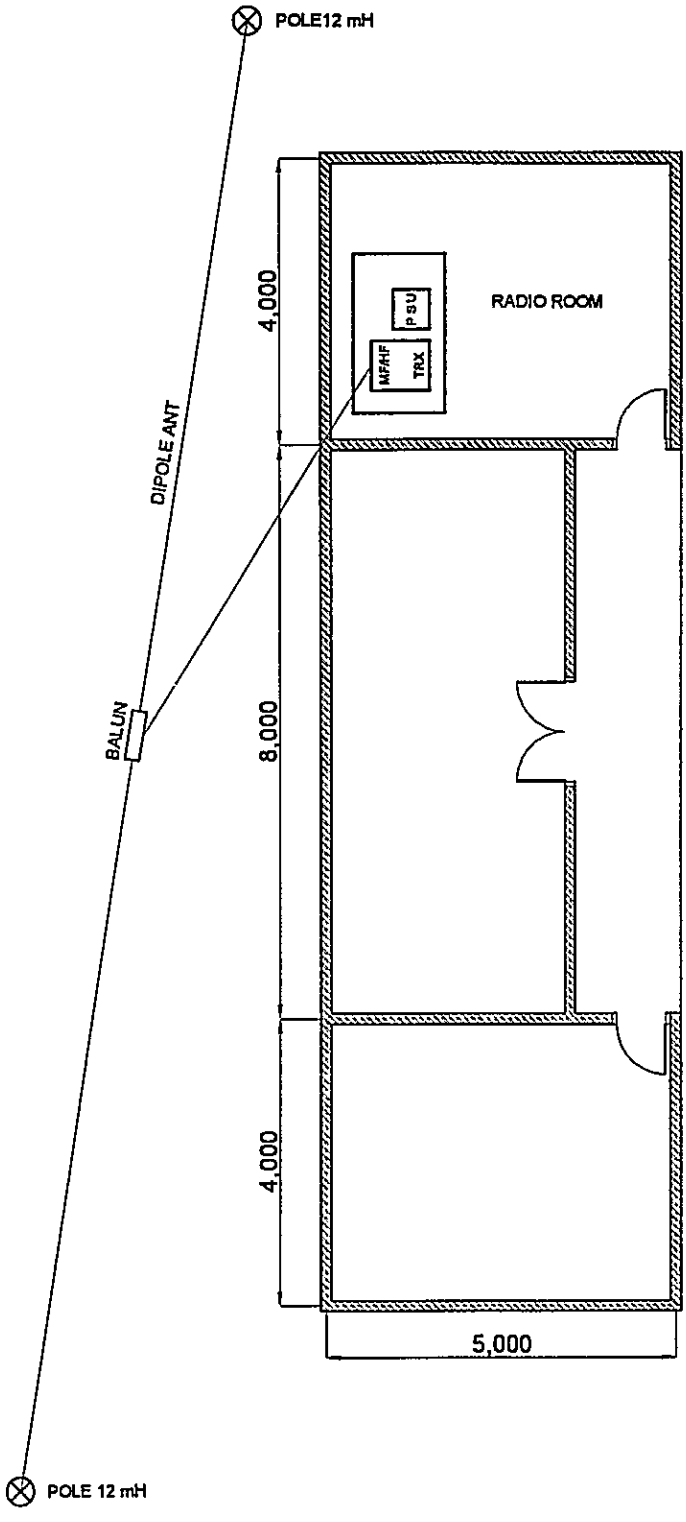
	FREQUENCY (kHz)	EMISSION	POWER (W)	UTC 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24	REMARK
	Mobile Service				
1	6 215,0	J3E	100		
2	2 182,0	J3E	100		
	Fix Service				
3	6 926,0	J3E	100		
4	9 925,0	J3E	100		
5	10 225,0	J3E	100		
6					
7					
8					
9					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					



DATE: July 13, 2001	DRAWING TITLE: SITE LOCATION	SHEET NO.: 1/1
SCALE: 1 : 500,000	SITE NAME: KOKAS	
DIMENSION: Meter	DRAWING NO.: SROP-KKS-214-1	
JICA – PT. Aneka Asia Buana		

DRAWN BY AAB

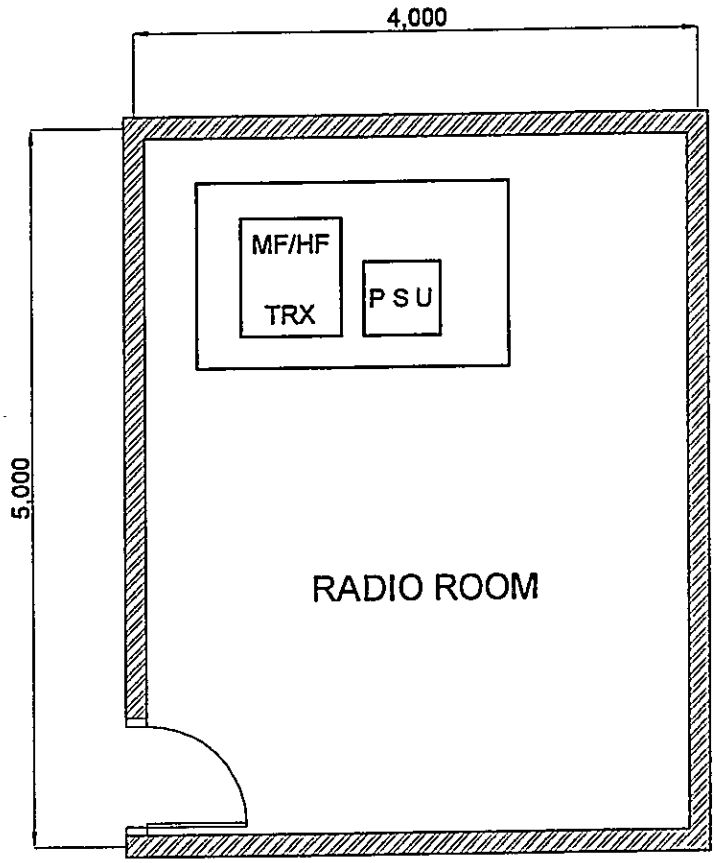
APPROVED BY JICA



APPROVED BY JICA

DRAWN BY AAB

DATE: Sept 06, 2001	DRAWING TITLE: ANTENNA LAYOUT	SHEET NO: 1/1
SCALE: 1 : 100	SITE NAME: KOKAS	
DIMENSION: Milimeter	DRAWING NO: SROP-KKS-214-2	
JICA –	PT. Aneka Asia Buana	



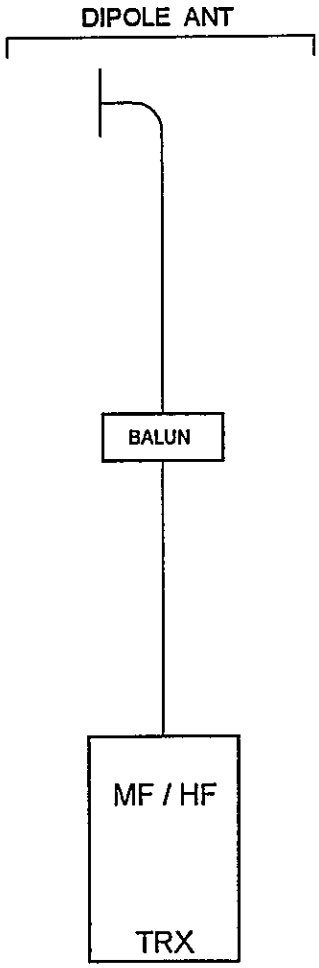
LEGEND

HF : HIGH FREQUENCY
MF : MEDIUM FREQUENCY
PSU : POWER SUPPLY UNIT
TRX : TRANSCEIVER (ING)

DATE: Sept 28, 2001	DRAWING TITLE: EQUIPMENT FLOOR LAYOUT	SHEET NO: 1/1
SCALE: 1 : 100	SITE NAME: KOKAS	
DIMENSION: Milimeter	DRAWING NO.: S,R,O,P,-,K,K,S,-,2,1,4,-,3,	
JICA –	PT. Aneka Asia Buana	

DRAWN BY AAB

APPROVED BY JICA



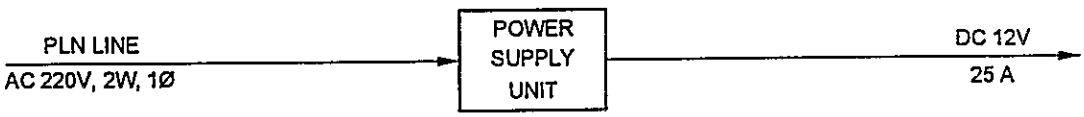
LEGEND

ANT : ANTENNA
HF . HIGH FREQUENCY
MF . MEDIUM FREQUENCY
TRX : TRANSCEIVER

DATE: Sept 28 , 2001	DRAWING TITLE: SYSTEM BLOCK DIAGRAM	SHEET NO.: 1/1
SCALE: No Scale	SITE NAME: KOKAS	
DIMENSION: Milimeter	DRAWING NO.: SROP-KKS-214-5	
JICA – PT. Aneka Asia Buana		

DRAWN BY AAB

APPROVED BY JICA



LEGEND

AC : ALTERNATING CURRENT
V : VOLT
W : WIRE
Ø : PHASE

APPROVED BY JICA

DRAWN BY AAB

DATE: Sept 28 , 2001	DRAWING TITLE: POWER BLOCK DIAGRAM	SHEET NO: 1/1
SCALE: No Scale	SITE NAME: KOKAS	
DIMENSION: Milimeter	DRAWING NO.: SROP-KKS-214-6	
JICA –	PT. Aneka Asia Buana	

THE STUDY FOR
MARITIME TRAFFIC SAFETY SYSTEM DEVELOPMENT PLAN
IN THE REPUBLIC OF INDONESIA

Maritime Telecommunication Facilities: Inventory, Plant Records and Outlook-2001

2ND CLASS DISTRICT NAVIGATION AREA (23)
JAYAPURA

JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)

November 2001

Maritime Telecommunication Facilities: Inventory, Plant Records and Outlook-2001

2nd Class District Navigation Area (23)

Jayapura

Table of Content

DISNAV	23	Jayapura	2nd Class
KPLP	23	Jayapura	
SROP	215	Jayapura	1st Class
	216	Biak	3rd Class
	217	Serui	4th-A Class
	218	Sarmi	4th-A Class
	219	Nabire	4th-A Class

JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)

November 2001

Maritime Telecommunication Facilities: Inventory, Plant Records and Outlook-2001

2nd Class District Navigation Office (Area-23)
Jayapura

Table of Content

- ☑ Summary of Coast Station
- ☐ Inventory
- ☐ Status of Trouble
- ☐ Operation Schedule (Frequencies)
- ☐ Site Location
- ☐ Antenna Layout
- ☐ Equipment Floor Layout
- ☐ E/G Floor Layout
- ☐ System Block Diagram
- ☐ Power Block Diagram

Note :
- ☑ Available in this list
- ☒ Not Available in this list
- ☐ Unnecessary in this list

JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)

November 2001

SUMMARY OF DISNAV

SITE	JAYAPURA		
CLASS	2nd	NO.	23

1. LOCATION

Address	Tel.	Fax	Longitude	Latitude
Jl. Dr. Samratulangi No. 10, Jayapura	0967-33834	0967-33834	° ' "	° ' "

2. GENERAL CONDITIONS

Moving from Jakarta	Site Access from Port	Road Traffic	Accommodation	Population
By Air to Sentani [Taking time: 10.00 hr.]	☐ Highway	☐ Heavy	☑ Hotel	3,000,000
By Car to Location [Taking time: 1.00 hr.]	☑ Paved	☑ Medium	☐ Motel	
	☐ Unpaved road	☐ Light		
		☐ None		

3. CONDITIONS OF DISNAV OFFICE

Refer to attached drawing

3.1 Site Conditions

Topography	Nature of Soil		Past disaster of site	Confirmation of existing system
☐ Flat	☐ Dry soil	☐ Limestone	☐ Flood	Yes No
☐ Slope	☐ Ordinary	☐ Gravel	☐ Flood Tide	☐ ☑ Antenna
☐ Hill-top	☐ Swampy	☐ Rocky	☐ Rain Leakage	☐ ☑ Towers (Masts)
☐ Basin	☐ Clay	☑ Stony	☐ Ground Subsidence	☐ ☑ Grounding system
☑ Valley	☐ Sandy			☐ ☑ Lightning system
Altitude	m		Telephone Lines	☐ ☑ Feeder Cable Way
Land area	m²		☑ 1 Lines	☑ ☐ City water

3.2 Building Conditions

Constructions	
Num. of story	Two
Structure	Concrete
Type of roof	Zinc
Type of ceiling	Triplex
Type of wall	Brick
Wall finish	Mortar
Flooring	Ceramic

Room Area (m²)	
Operation room	416
E / G room	
Remark	

3.3 Power Source

	PLN Source	E/G
Voltage	220 V	V
Phase		
Wire		
kVA		

Quality of PLN source		
Fluctuations	200 V ± 10 %	
Availability of power per day	24 Hours	
Power interruption /month	Times	
Total interpt. hours /month	Hours	
Max. interpt. hours at once	Hours	

Existing Power Conditions	
Good Bad	
☐ ☐	Power Supply System
☐ ☐	Operations of E/G
☐ ☐	Operations of AVR

Capacity of fuel for engine	
Day tank	Liter
Main tank	k Liter

E/G Stand-by System

☐ Single System

☐ Dual System

4. OPERATION AND MAINTENANCE

Actions taken in equipment failure	
Restoration flow	
Examples of major failure	
Sufficiency of spares	

Records of damages		Environmental Conditions		
		Good	Bad	
☐ Heavy rainfall		☐	☑	External noises
☐ Storm		☐	☑	Air pollution
☐ Lightning				
☐ Other calamity				

Institutional and Human Statuses				
1	Budget	☐ Sufficient	☐ Reasonable	☑ Insufficient
2	Spares	☐ Enough	☐ Reasonable	☑ Not enough
3	Measuring eqpt./tools	☐ Enough	☐ Reasonable	☑ Not enough
4	Number of Operator	☐ Enough	☐ Reasonable	☐ Not enough
5	Number of Technician	☐ Enough	☐ Reasonable	☐ Not enough
6	Capability of Operator	☐ Skilled	☐ Not so bad	☐ Not capable
7	Capability of Technician	☐ Skilled	☐ Not so bad	☐ Not capable

5. PERSONNEL FORMATIONS

Chief	1
Operator (skilled)	()
Technician (skilled)	()
Administrator	22
Total	23

Training Record

Course	Class	Location	Period	Trainee
Spama	Structural	Jakarta		1
Adum	Structural	Jakarta		2

SUMMARY OF DISNAV

SITE	JAYAPURA		
CLASS	2nd	NO.	23

6. STATISTICAL COMMUNICATION TRAFFIC DATA

Maritime Safety					Public Telecommunication Service							
Years	TG	TEL	DSC	NBDP	Years	Telephone		TG Call	Years	Telephone		TG Call
						Call	Minute			Call	Minute	
1996					1991				1996			
1997					1992				1997			
1998					1993				1998			
1999					1994				1999			
2000					1995				2000			

7. COMMENTS

Suggestion	
Remarks	

Maritime Telecommunication Facilities: Inventory, Plant Records and Outlook-2001

Kanwil Office (Disnav Area - 23)
Jayapura

Table of Content

- ☑ Summary of Coast Station
- ☑ Inventory
- ☐ Status of Trouble
- ☐ Operation Schedule (Frequencies)
- ☐ Site Location

Drawings:

- ☑ Antenna Layout
- ☑ Equipment Floor Layout
- ☐ E/G Floor Layout
- ☑ System Block Diagram
- ☑ Power Block Diagram

Note :

- ☑ Available in this list
- ☒ Not Available in this list
- ☐ Unnecessary in this list

JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)

November 2001

SUMMARY OF KANWIL

SITE	JAYAPURA		
CLASS		NO.	23

1. LOCATION

Address	Tel.	Fax	Longitude	Latitude
			° ' "	° ' "

2. GENERAL CONDITIONS

Moving from Jakarta	Site Access from Port	Road Traffic	Accommodation	Population
By Air to Jayapura [Taking time 10.00 hr.]	☐ Highway	☐ Heavy	☑ Hotel	
By Car to Kanwil [Taking time 01.00 hr.]	☑ Paved	☑ Medium	☐ Motel	
	☐ Unpaved road	☐ Light		
		☐ None		

3. CONDITIONS OF KANWIL OFFICE

Refer to attached drawing

3.1 Site Conditions

Topography	Nature of Soil		Past disaster of site	Confirmation of existing system
☐ Flat	☐ Dry soil	☐ Limestone	☐ Flood	Yes No
☐ Slope	☐ Ordinary	☐ Gravel	☐ Flood Tide	☐ ☑ Antenna
☐ Hill-top	☐ Swampy	☐ Rocky	☐ Rain Leakage	☐ ☑ Towers (Masts)
☐ Basin	☐ Clay		☐ Ground Subsidence	☐ ☑ Grounding system
☑ Valley	☐ Sandy			☐ ☑ Lightning system
Altitude	m		Telephone Lines	☐ ☑ Feeder Cable Way
Land area	m²		☐ Lines	☐ ☑ City water

3.2 Building Conditions

Constructions	
Num of story	Two
Structure	Concrete
Type of roof	Asbestos
Type of ceiling	Asbestos
Type of wall	Brick
Wall finish	Mortar
Flooring	Tile
Room Area (m²)	
Operation room	
E / G room	
Remark	

3.3 Power Source

	PLN Source	E/G	Existing Power Conditions
Voltage	220 V	V	Good Bad
Phase	1		☐ ☐ Power Supply System
Wire	2		☐ ☐ Operations of E/G
kVA			☐ ☐ Operations of AVR

Quality of PLN source			Capacity of fuel for engine	
Fluctuations	V ± %		Day tank	Liter
Availability of power per day		Hours	Main tank	k Liter
Power interruption /month		Times	E/G Stand-by System	
Total interpt hours /month		Hours	☐ Single System	
Max. interpt. hours at once		Hours	☐ Dual System	

4. OPERATION AND MAINTENANCE

Actions taken in equipment failure	
Restoration flow	
Examples of major failure	
Sufficiency of spares	

Records of damages		Environmental Conditions		
☐ Heavy rainfall		Good	Bad	
☐ Storm		☐	☑	External noises
☐ Lightning		☐	☑	Air pollution
☐ Other calamity				

Institutional and Human Statuses			
1 Budget	☐ Sufficient	☐ Reasonable	☐ Insufficient
2 Spares	☐ Enough	☐ Reasonable	☐ Not enough
3 Measuring eqpt /tools	☐ Enough	☐ Reasonable	☐ Not enough
4 Number of Operator	☐ Enough	☐ Reasonable	☐ Not enough
5 Number of Technician	☐ Enough	☐ Reasonable	☐ Not enough
6 Capability of Operator	☐ Skilled	☐ Not so bad	☐ Not capable
7 Capability of Technician	☐ Skilled	☐ Not so bad	☐ Not capable

5. PERSONNEL FORMATIONS

Chief	
Operator (skilled)	()
Technician (skilled)	()
Administrator	
Total	

Training Record				
Course	Class	Location	Period	Trainee

SUMMARY OF KANWIL

SITE	JAYAPURA		
CLASS		NO.	23

6. STATISTICAL COMMUNICATION TRAFFIC DATA

Maritime Safety					Public Telecommunication Service							
Years	TG	TEL	DSC	NBDP	Years	Telephone		TG Call	Years	Telephone		TG Call
						Call	Minute			Call	Minute	
1996					1991				1996			
1997					1992				1997			
1998					1993				1998			
1999					1994				1999			
2000					1995				2000			

7. COMMENTS

Suggestion	
Remarks	Radio equipment stored in RX Coast Station

INVENTORY

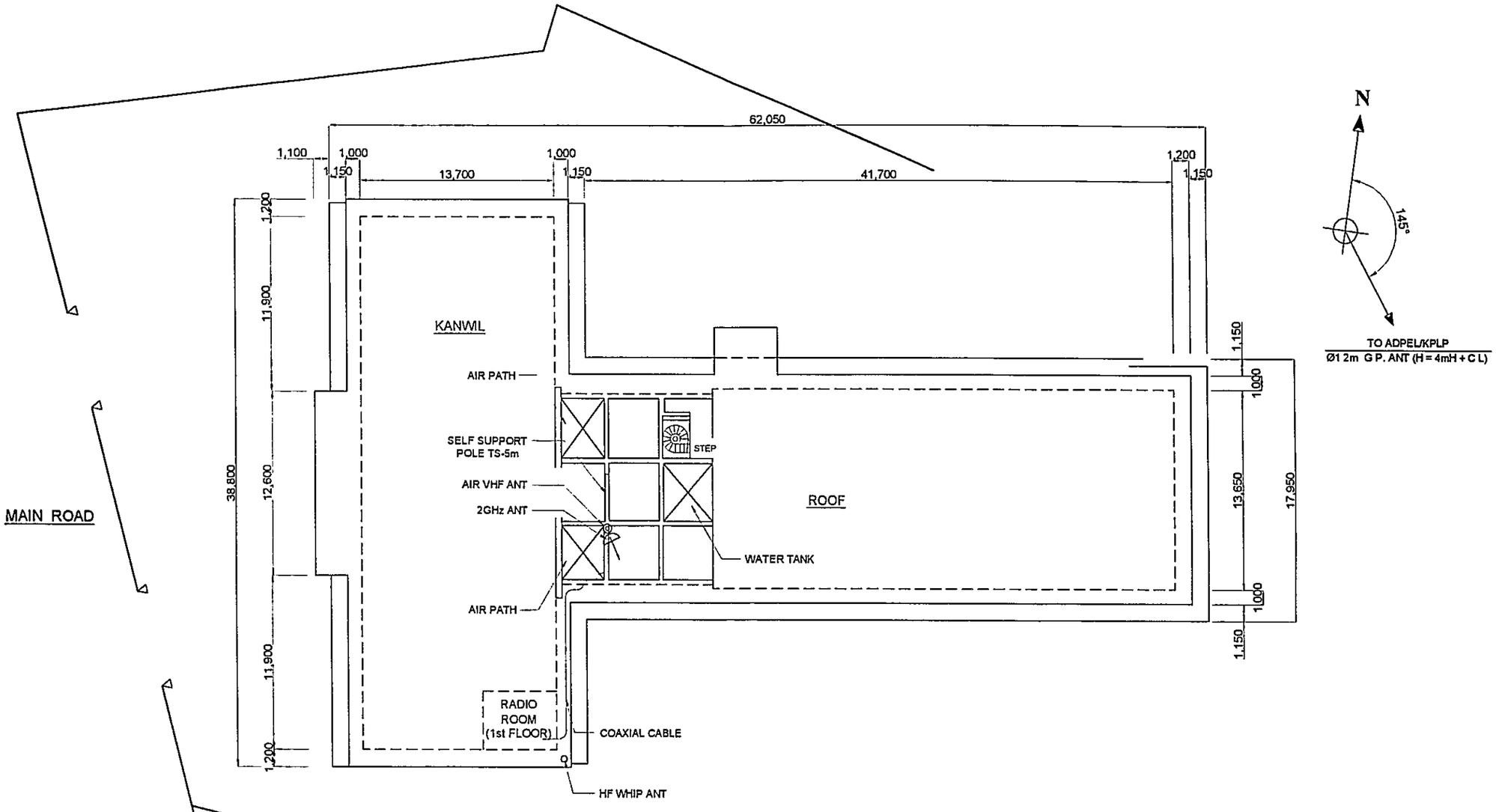
Site Name: Kanwil Jayapura

No	Registered No.	Description	Type	Serial No	Manufacturer	Date	Reference	Maintenance Record	Condition
1		**Radio Equipment**							
1-1		**Operator Console/Desk/Rack**							
1-1-1		**Console-II-I**							
		All Wave Receiving	NRD-93	BR-49350	JRC	1989	SAR Project		
		Spot Scanning Unit	NDII-93	BR-49351	JRC	1989	SAR Project		
		Telecontroler (TX)	NCH-300	BP-91806	JRC	1989	SAR Project		
		Telecontroler (RX)	NCG-95	BP-25473	JRC	1989	SAR Project		
		Air VHF Radio Telephone	NTE-26	AT-024	JRC	1989	SAR Project		
		Digital Selective Calling	NCT-60C	GA-11265	JRC	1989	SAR Project		
		Signal Controller			JRC	1989	SAR Project		
		Speaker Panel	NVA-64		JRC	1989	SAR Project		
		Analog Clock	J-70-P-b		JRC	1989	SAR Project		
		Digital Clock	NKH-100		JRC	1989	SAR Project		
		Dialing Unit			JRC	1989	SAR Project		
		Headset (x2)			JRC	1989	SAR Project		
		Ancillaries			JRC	1989	SAR Project		
		Telephone Device (x2)	NQW-143		JRC	1989	SAR Project		
		2182kHz A/A RX Monitor	CCN-181	BP-92360	JRC	1989	SAR Project		
		(TX) Telecontroller (For E)	NCH-300P	BP-91806	JRC	1989	SAR Project		
		Fax			JRC	1989	SAR Project		
		TTY (x2)			JRC	1989	SAR Project		
		Telephony (x8)			JRC	1989	SAR Project		
		Telex			JRC	1989	SAR Project		
1-1-2		**Power Supply Equipment**							
		Isolation Transformer 3kVA			JRC	1989	SAR Project		
		Battery Charger 24V, 20A			JRC	1989	SAR Project		
		Battery 60AH, 12cells			JRC	1989	SAR Project		

INVENTORY

Site Name: Kanwil Jayapura

No	Registered No.	Description	Type	Serial No	Manufacturer	Date	Reference	Maintenance Record	Condition
1-2		Remote Control Equipment							
1-2-1		DRCS-II			JRC	1989	SAR Project		
		LOX			JRC	1989	SAR Project		
		MES			JRC	1989	SAR Project		
		TTY			JRC	1989	SAR Project		
		Telephony (x8)			JRC	1989	SAR Project		
		CE			JRC	1989	SAR Project		
		TDMA			JRC	1989	SAR Project		



LEGEND

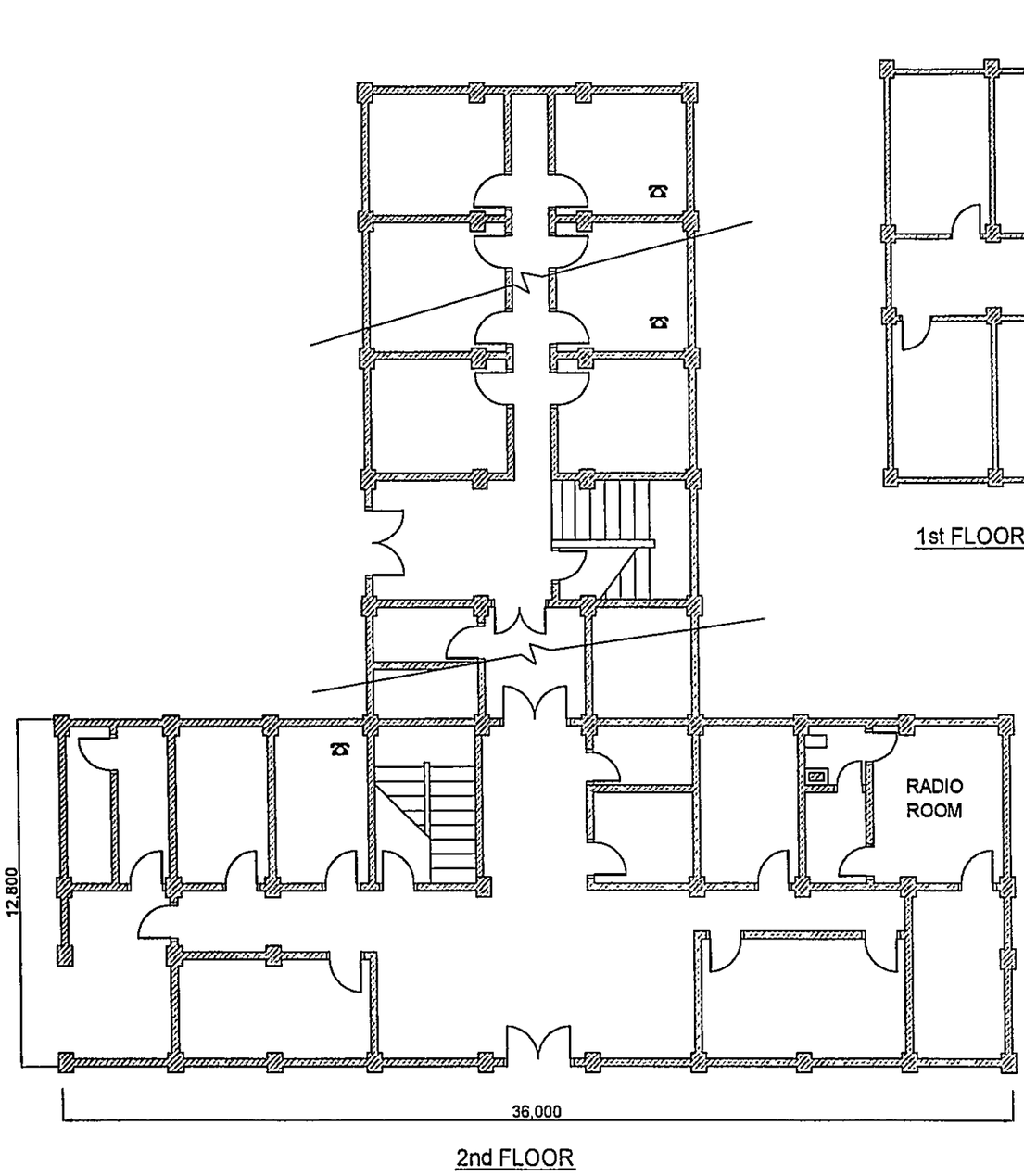
ANT : ANTENNA
HF : HIGH FREQUENCY
VHF : VERY HIGH FREQUENCY

APPROVED BY JICA

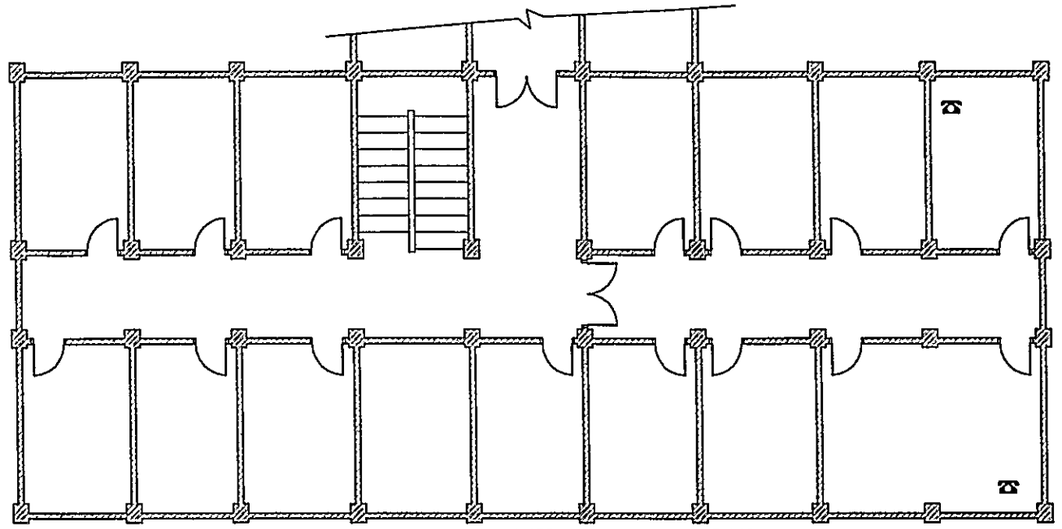
DRAWN BY AAB

DATE: July 18, 2001	DRAWING TITLE: ANTENNA LAYOUT	SHEET NO: 1/1
SCALE: 1 : 300	SITE NAME: JAYAPURA	
DIMENSION: Millmeter	DRAWING NO: KWIL-JYP-215-2	

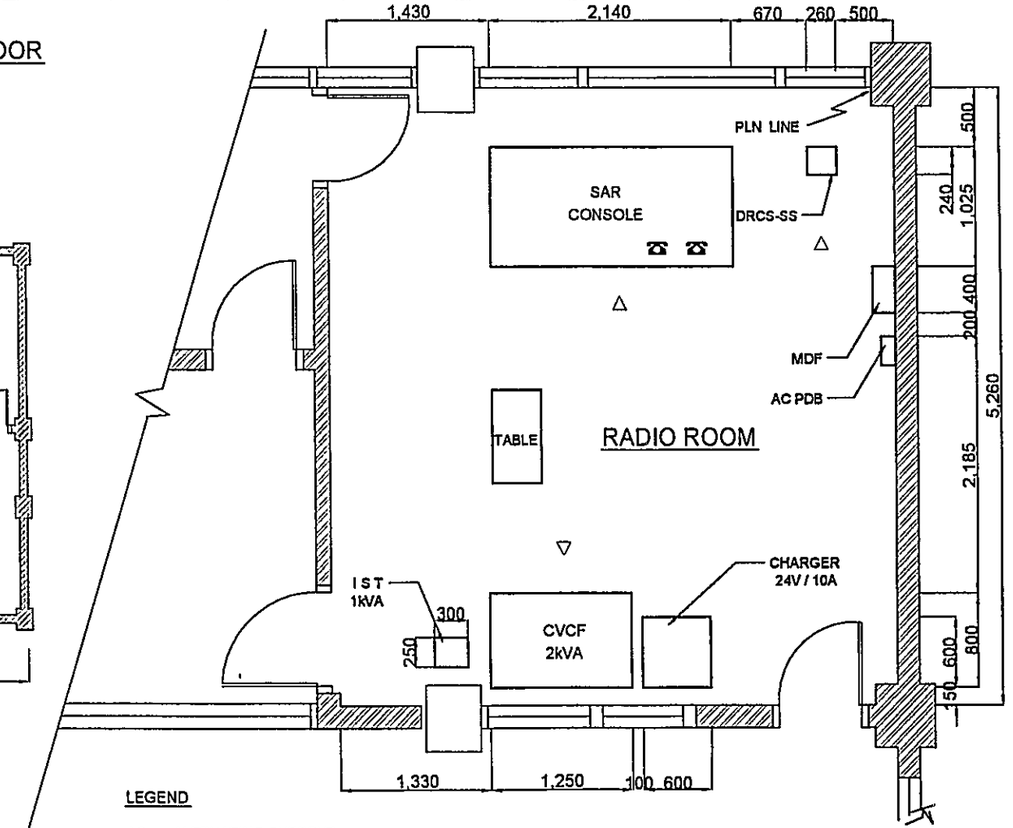
JICA – PT. Aneka Asia Buana



2nd FLOOR



1st FLOOR



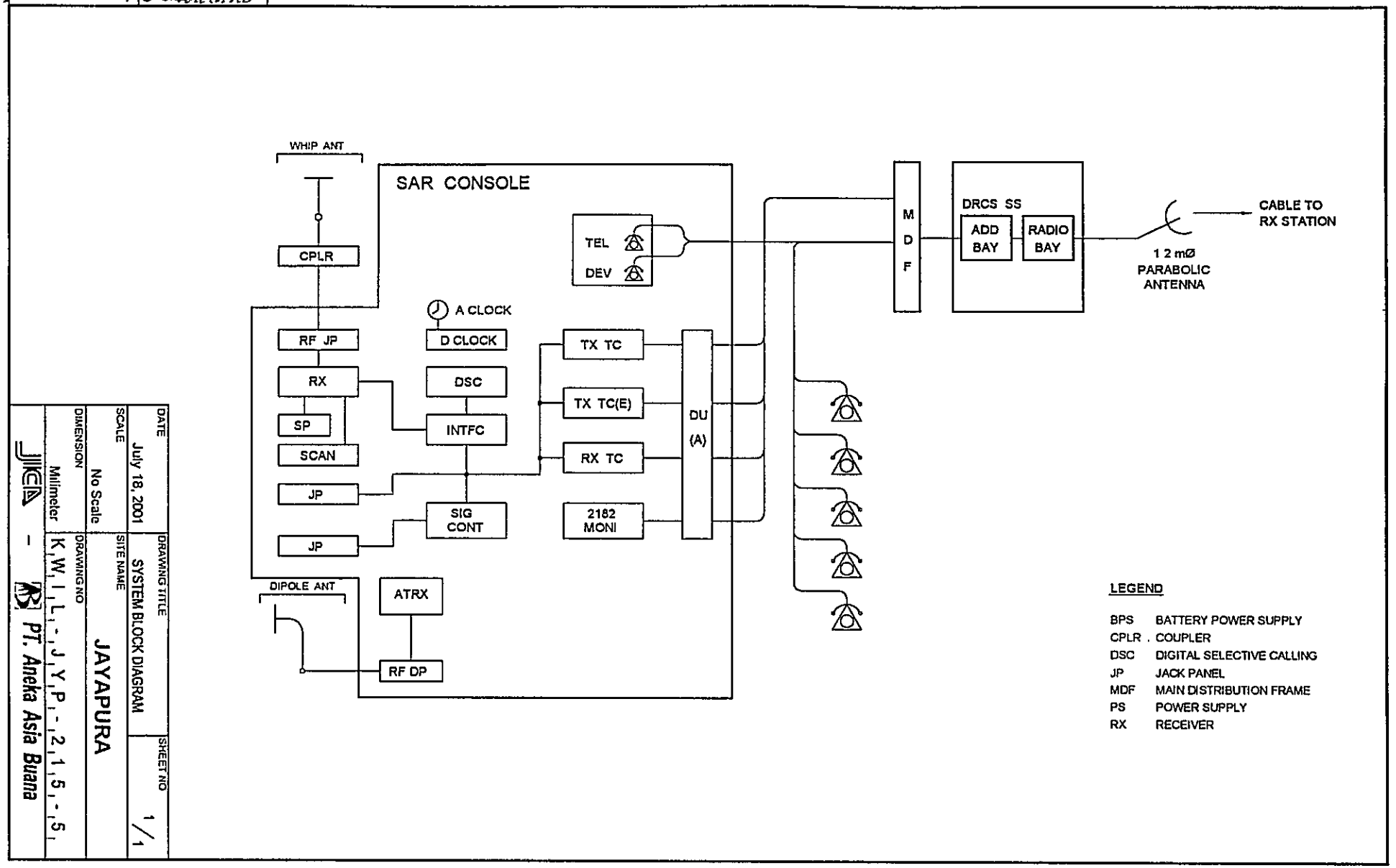
LEGEND

AC : ALTENATING CURRENT
IST : ISOLATION TRANSFORMER
kVA : KILO VOLT AMPERE
MDF : MAIN DISTRIBUTION FRAME
PDB : POWER DISTRIBUTION BOARD
V : VOLT
☎ : TELEPHONE

DATE: July 18, 2001	DRAWING TITLE: EQUIPMENT FLOOR LAYOUT	SHEET NO.: 1/1
SCALE: 1 : 200 / 1: 50	SITE NAME: JAYAPURA	
DIMENSION: Milimeter	DRAWING NO: KWIL-JYP-2151-3	
JICA –	PT. Aneka Asia Buana	

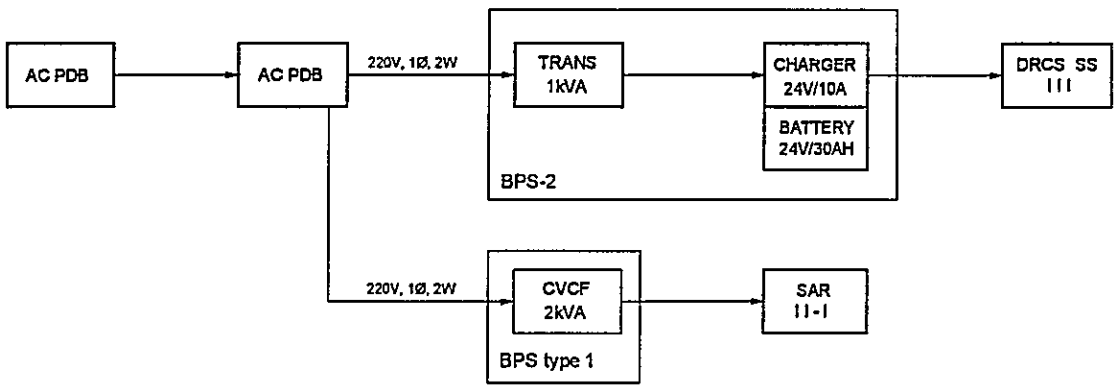
DRAWN BY A&P
APPROVED BY JICA

DRAWN BY AAB | APPROVED BY JICA



DATE	July 18, 2001
SCALE	No Scale
DIMENSION	Millimeter
DRAWING TITLE	SYSTEM BLOCK DIAGRAM
SITE NAME	JAYAPURA
DRAWING NO	K,W,I,L,-,J,Y,P,-,2,1,5,-,5,
SHEET NO	1/1

JICA - PT. Aneka Asia Buana



LEGEND

AC : ALTERNATING CURRENT
kVA : KILO VOLT AMPERE
V : VOLT

APPROVED BY JICA

DRAWN BY AAB

DATE: July 17, 2001	DRAWING TITLE: POWER BLOCK DIAGRAM	SHEET NO: 1/1
SCALE: No Scale	SITE NAME: JAYAPURA	
DIMENSION: Milimeter	DRAWING NO: KWIL-JYP-215-6	
JICA – PT. Aneka Asia Buana		

Maritime Telecommunication Facilities: Inventory, Plant Records and Outlook-2001

ADPEL/KPLP Office (Disnav Area - 23)
Jayapura

Table of Content

- ☑ Summary of Coast Station
- ☑ Inventory
- ☐ Status of Trouble
- ☐ Operation Schedule (Frequencies)
- ☐ Site Location
- ☑ Antenna Layout
- ☑ Equipment Floor Layout
- ☐ E/G Floor Layout
- ☑ System Block Diagram
- ☑ Power Block Diagram

Note :
- ☑ Available in this list
- ☒ Not Available in this list
- ☐ Unnecessary in this list

JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)

November 2001

SUMMARY OF ADPEL / KPLP

SITE	JAYAPURA		
CLASS		NO.	XXIII

1. LOCATION

Address	Tel.	Fax	Longitude	Latitude
			o ' "	o ' "

2. GENERAL CONDITIONS

Moving from Jakarta	Site Access from Port	Road Traffic	Accommodation	Population
By Air to Sentani [Taking time 10.00 hr.]	☐ Highway	☐ Heavy	☑ Hotel	•
By Car to Location [Taking time: 1:00 hr.]	☑ Paved	☑ Medium	☐ Motel	
	☐ Unpaved road	☐ Light		
		☐ None		

3. CONDITIONS OF ADPEL/KPLP OFFICE

Refer to attached drawing

3.1 Site Conditions

Topography	Nature of Soil		Past disaster of site	Confirmation of existing system
☐ Flat	☐ Dry soil	☐ Limestone	☐ Flood	Yes No
☐ Slope	☐ Ordinary	☐ Gravel	☐ Flood Tide	☑ ☐ Antenna
☐ Hill-top	☐ Swampy	☑ Rocky	☐ Rain Leakage	☑ ☐ Towers (Masts)
☐ Basin	☐ Clay		☐ Ground Subsidence	☐ ☑ Grounding system
☑ Valley	☐ Sandy			☐ ☑ Lightning system
Altitude	**m**		**Telephone Lines**	☐ ☑ Feeder Cable Way
Land area	**m²**		☐ Lines	☐ ☑ City water

3.2 Building Conditions

Constructions	
Num of story	One
Structure	Concrete
Type of roof	Asbestos
Type of ceiling	Asbestos
Type of wall	Brick
Wall finish	Mortar
Flooring	Tile

Room Area (m²)	
Operation room	20.00
E / G room	
Remark	

3.3 Power Source

	PLN Source	E/G
Voltage	220 V	V
Phase	1	
Wire	2	
kVA		

Quality of PLN source		
Fluctuations	V ± %	
Availability of power per day	Hours	
Power interruption /month	Times	
Total interpt. hours /month	Hours	
Max. interpt. hours at once	Hours	

Existing Power Conditions	
Good Bad	
☐ ☐	Power Supply System
☐ ☐	Operations of E/G
☐ ☐	Operations of AVR

Capacity of fuel for engine	
Day tank	Liter
Main tank	k Liter

E/G Stand-by System
☐ Single System
☐ Dual System

4. OPERATION AND MAINTENANCE

Actions taken in equipment failure	
Restoration flow	
Examples of major failure	
Sufficiency of spares	

Records of damages	
☐ Heavy rainfall	
☐ Storm	
☐ Lightning	
☐ Other calamity	

Environmental Conditions		
Good	Bad	
☐	☑	External noises
☐	☑	Air pollution

Institutional and Human Statuses			
1 Budget	☐ Sufficient	☐ Reasonable	☐ Insufficient
2 Spares	☐ Enough	☐ Reasonable	☐ Not enough
3 Measuring eqpt./tools	☐ Enough	☐ Reasonable	☐ Not enough
4 Number of Operator	☐ Enough	☐ Reasonable	☐ Not enough
5 Number of Technician	☐ Enough	☐ Reasonable	☐ Not enough
6 Capability of Operator	☐ Skilled	☐ Not so bad	☐ Not capable
7 Capability of Technician	☐ Skilled	☐ Not so bad	☐ Not capable

5. PERSONNEL FORMATIONS

Chief	
Operator (skilled)	()
Technician (skilled)	()
Administrator	
T o t a l	

Training Record				
Course	Class	Location	Period	Trainee

SUMMARY OF ADPEL / KPLP

SITE	JAYAPURA		
CLASS		NO.	XXIII

6. STATISTICAL COMMUNICATION TRAFFIC DATA

Maritime Safety					Public Telecommunication Service								
Years	TG	TEL	DSC	NBDP	Years	Telephone		TG Call	Years	Telephone		TG Call
						Call	Minute			Call	Minute	
1996					1991				1996			
1997					1992				1997			
1998					1993				1998			
1999					1994				1999			
2000					1995				2000			

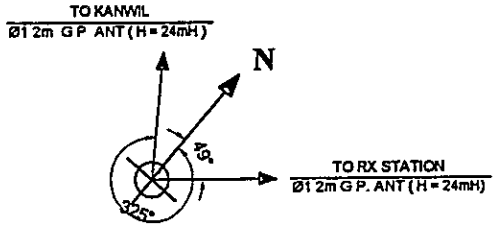
7. COMMENTS

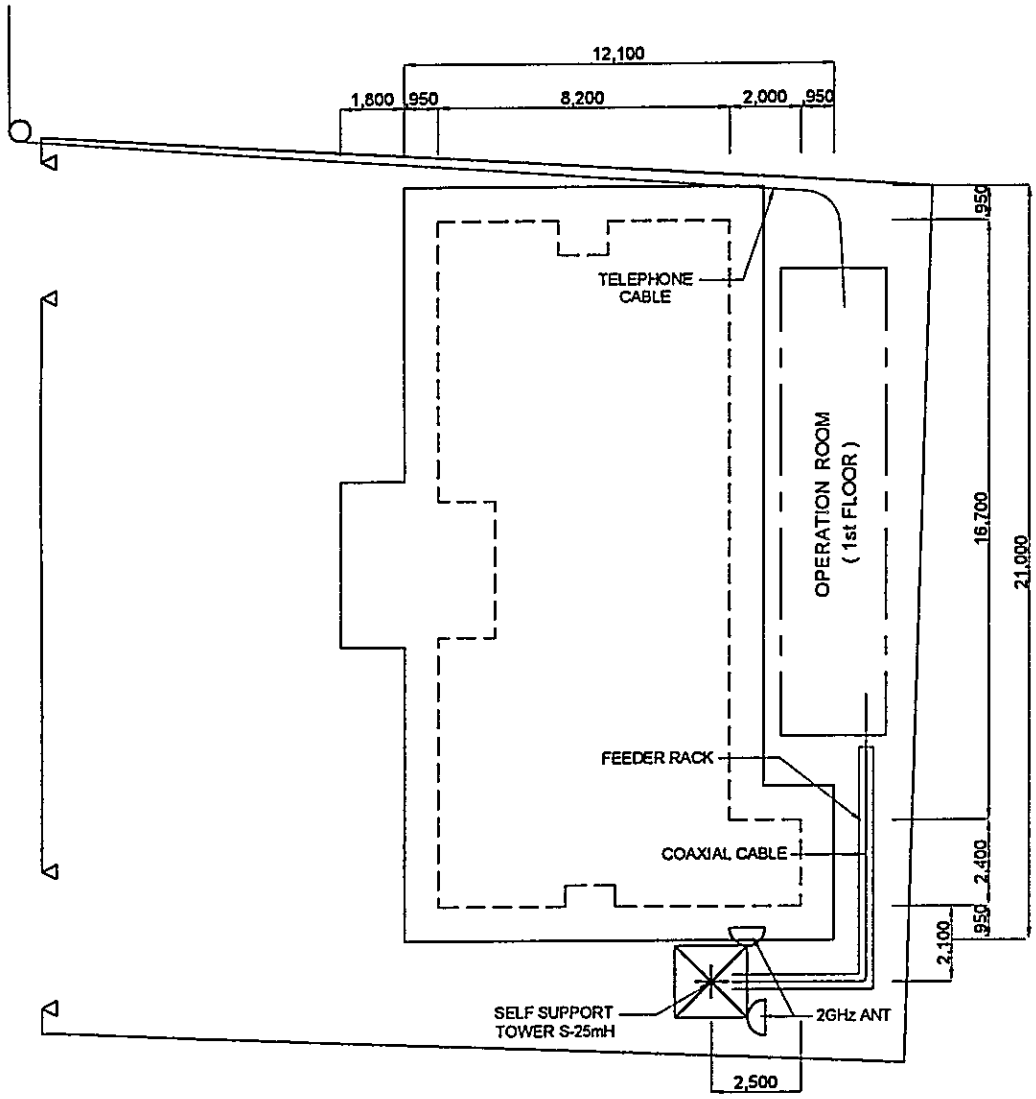
Suggestion	
Remarks	

INVENTORY

Site Name: Adpel Jayapura

No	Registered No.	Description	Type	Serial No	Manufacturer	Date	Reference	Maintenance Record	Condition
1		**Radio Equipment**							
1-1		**Operator Console/Desk/Rack**							
1-1-1		**Console-III-II**							
		Marine VHF Telecontroller	NCE-4378	BH-16911	JRC	1989	SAR Project		
		Analog Clock	J-70-P-b		JRC	1989	SAR Project		
		Digital Clock	NKH-17	121	JRC	1989	SAR Project		
		Remote Control Unit (For MTRX)	JCC-300RR8		JRC	1989	SAR Project		
		Dialing Unit	NQU-13A	BP-92299	JRC	1989	SAR Project		
		Headset (For MTRX)			JRC	1989	SAR Project		
		Ancillaries			JRC	1989	SAR Project		
		Console			JRC	1989	SAR Project		
		Telephone Device (x2)	NQW-143	SAR-169	JRC	1989	SAR Project		
		Telex			JRC	1989	SAR Project		
		Telephony			JRC	1989	SAR Project		
1-1-2		**Power Supply Equipment**							
		Isolation Transformer 0.5kVA			JRC	1989	SAR Project		
		Battery 6V, 45AH, 8cells			JRC	1989	SAR Project		
		AC Power Unit			JRC	1989	SAR Project		
		DC Power Unit			JRC	1989	SAR Project		
1-2		**Remote Control Equipment**							
1-2-1		**DRCS-I**			JRC	1989	SAR Project		
		LOX			JRC	1989	SAR Project		
		CE			JRC	1989	SAR Project		
		TDMA			JRC	1989	SAR Project		
		Telephony (x3)			JRC	1989	SAR Project		

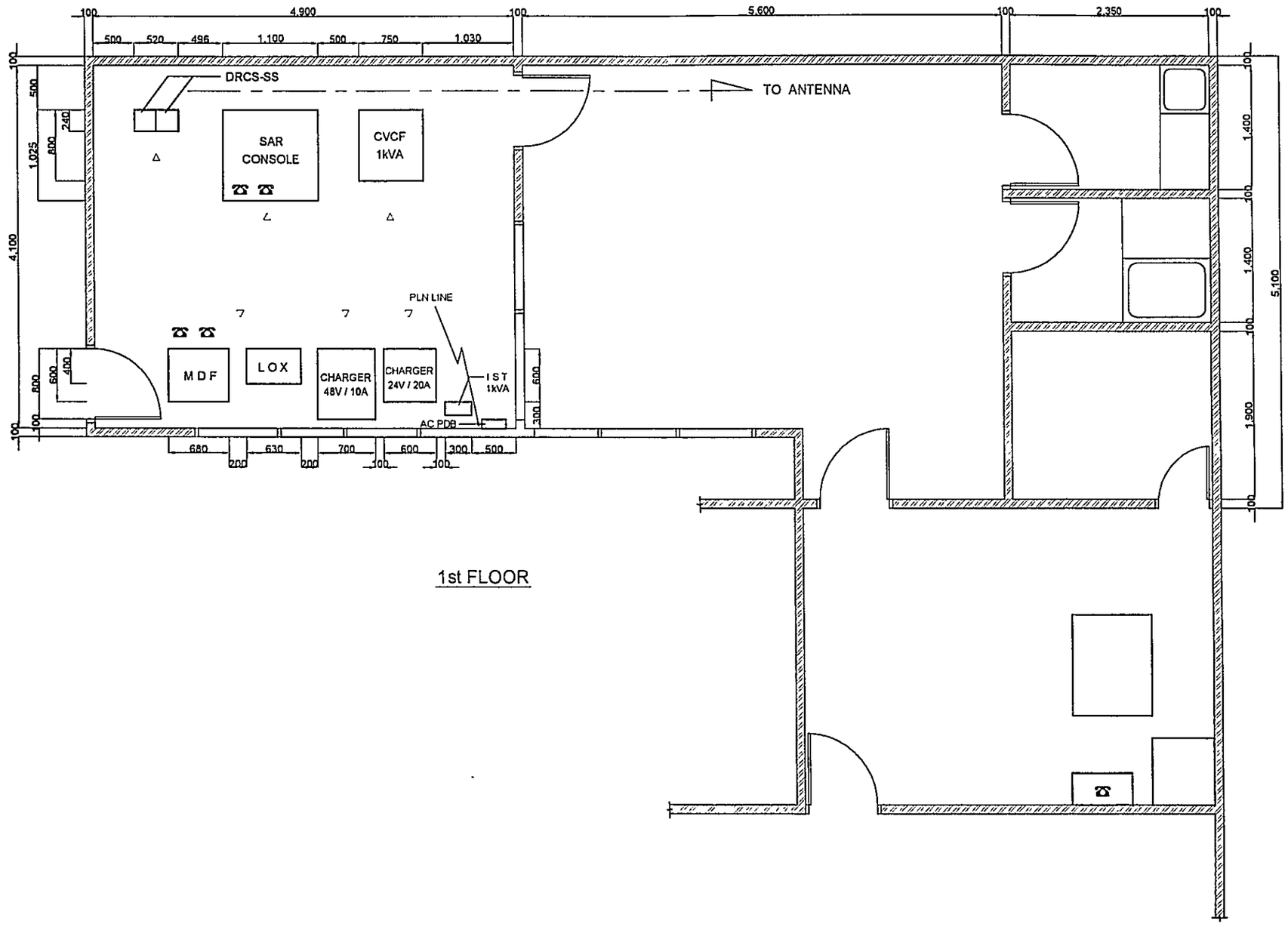




APPROVED BY JICA

DRAWN BY AAB

DATE: July 18, 2001	DRAWING TITLE: ANTENNA LAYOUT	SHEET NO: 1/1
SCALE: 1 : 200	SITE NAME: JAYAPURA	
DIMENSION: Milimeter	DRAWING NO: KPLP-JYP-215-2	
JICA –	PT. Aneka Asia Buana	



1st FLOOR

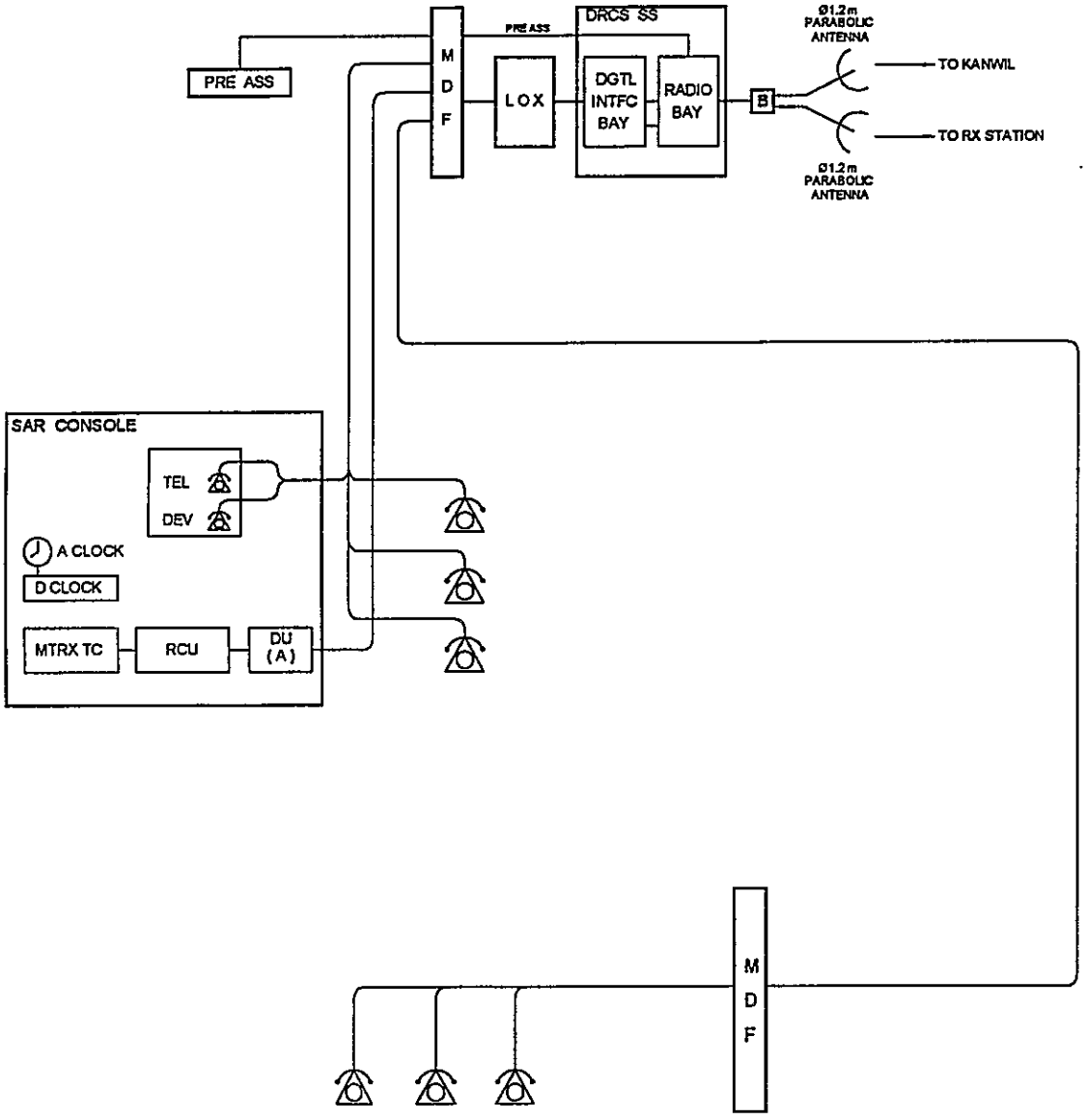
LEGEND

AC : ALTENATING CURRENT
IST : ISOLATION TRANSFORMER
kVA : KILO VOLT AMPERE
MDF : MAIN DISTRIBUTION FRAME
PDB : POWER DISTRIBUTION BOARD
V : VOLT
☎ : TELEPHONE

DRAWN BY AAB
APPROVED BY JICA

DATE: July 18, 2001	DRAWING TITLE: EQUIPMENT FLOOR LAYOUT	SHEET NO.: 1/1
SCALE: 1 : 50	SITE NAME: JAYAPURA	
DIMENSION: Milimeter	DRAWING NO.: KPLP-JYP-215-3	

JICA – PT. Aneka Asia Buana



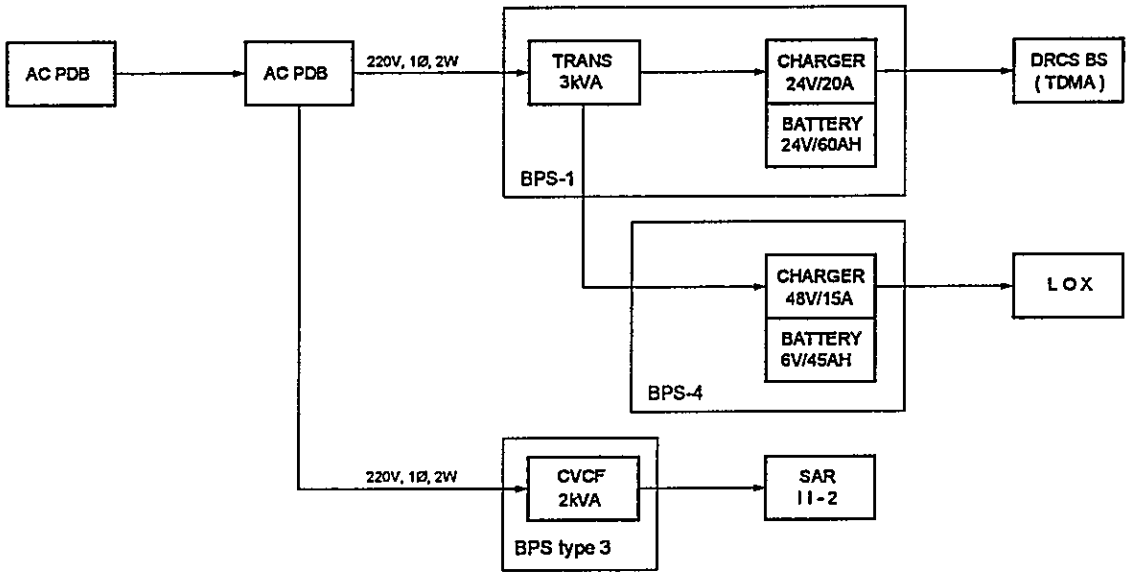
LEGEND

MDF : MAIN DISTRIBUTION FRAME
TEL : TELEPHONE

APPROVED BY JICA

DRAWN BY AAB

DATE: July 18, 2001	DRAWING TITLE: SYSTEM BLOCK DIAGRAM	SHEET NO: 1/1
SCALE: No Scale	SITE NAME: JAYAPURA	
DIMENSION: Milimeter	DRAWING NO: KPLP-JYP-215-5	
JICA –	PT. Aneka Asia Buana	



LEGEND

AC : ALTERNATING CURRENT
kVA : KILO VOLT AMPERE
V : VOLT

DATE: July 17, 2001	DRAWING TITLE: POWER BLOCK DIAGRAM	SHEET NO: 1/1
SCALE: No Scale	SITE NAME: JAYAPURA	
DIMENSION: Milimeter	DRAWING NO.: KPLP-JYP-215-6	
JICA –	PT. Aneka Asia Buana	

DRAWN BY AAB

APPROVED BY JICA :

Maritime Telecommunication Facilities: Inventory, Plant Records and Outlook-2001

1st Class Coast Station
Jayapura
(Coast Station No. 215)

Table of Content

- ☑ Summary of Coast Station
- ☑ Inventory
- ☐ Status of Trouble
- ☑ Operation Schedule (Frequencies)

RX	TX	Drawings:
☑*	☑*	Site Location
☑	☑	Antenna Layout
☑	☑	Equipment Floor Layout
☑	☑	E/G Floor Layout
☑	☑	System Block Diagram
☑	☑	Power Block Diagram

Note :
- ☑ Available in this list
- ☒ Not Available in this list
- ☐ Unnecessary in this list
- * Combined in one drawing

JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)

November 2001

SUMMARY OF COAST STATION

SITE	JAYAPURA		
CLASS	1ST	NO.	215

1. LOCATION

Station	Address	Tel.	Fax	Longitude	Latitude
RX	Jl. Kayu Batu No. 16	0967-541730	0967-542563	140° 44′ 34″ E	02° 31′ 42″ S
TX	Jl. Kapal No. 14	0967-541530		140° 43′ 22″ E	02° 31′ 10″ S

2. GENERAL CONDITIONS

Moving from Jakarta				Site Access from Port	Road Traffic	Accommodation	Population
By Air	to Sentani	[Taking time:	10 hr.]	☐ Highway	☐ Heavy	☑ Hotel	3,000,000
By Car	to Location	[Taking time:	1 hr.]	☑ Paved	☑ Medium	☐ Motel	
				☐ Unpaved road	☐ Light		
					☐ None		

3. CONDITIONS OF RECEIVING STATION

Refer to attached drawing

3.1 Site Conditions

Topography	Nature of Soil		Past disaster of site	Confirmation of existing system
☐ Flat	☑ Dry soil	☐ Limestone	☐ Flood	Yes No
☐ Slope	☐ Ordinary	☐ Gravel	☐ Flood Tide	☑ ☐ Antenna
☑ Hill-top	☐ Swampy	☐ Rocky	☐ Rain Leakage	☑ ☐ Towers (Masts)
☐ Basin	☐ Clay		☐ Ground Subsidence	☑ ☐ Grounding system
☐ Valley	☐ Sandy			☑ ☐ Lightning system
Altitude	50.00 M		Telephone Lines	☑ ☐ Feeder Cable Way
Land area	10,880 m²		☑ 2 Lines	☐ ☑ City water

3.2 Building Conditions

Constructions	
Num. of story	One
Structure	Concrete
Type of roof	Asbestos
Type of ceiling	Asbestos
Type of wall	Concrete
Wall finish	Mortar
Flooring	Tile

Room Area (m²)	
Operation room	113.000
E / G room	47.00

Remark

3.3 Power Source

	PLN Source	E/G
Voltage	220/380 V	210 V
Phase	3	3
Wire	4	4
kVA	50	50

Quality of PLN source	
Fluctuations	200 V ± 10 %
Availability of power per day	24 Hours
Power interruption /month	8 Times
Total interpt. hours /month	24 Hours
Max. interpt. hours at once	36 Hours

Existing Power Conditions	
Good Bad	
☑ ☐ Power Supply System	
☑ ☐ Operations of E/G	
☑ ☐ Operations of AVR	

Capacity of fuel for engine	
Day tank	5 Liter
Main tank	k Liter

E/G Stand-by System
☐ Single System
☑ Dual System

4. CONDITIONS OF TRANSMITTING STATION

Refer to attached drawing

Site Conditions

Topography	Nature of Soil		Past disaster of site	Confirmation of existing system
☐ Flat	☑ Dry soil	☐ Limestone	☐ Flood	Yes No
☐ Slope	☐ Ordinary	☐ Gravel	☐ Flood Tide	☑ ☐ Antenna
☑ Hill-top	☐ Swampy	☐ Rocky	☐ Rain Leakage	☑ ☐ Towers (Masts)
☐ Basin	☐ Clay		☐ Ground Subsidence	☑ ☐ Grounding system
☐ Valley	☐ Sandy			☑ ☐ Lightning system
Altitude	400.00 m		Telephone Lines	☑ ☐ Feeder Cable Way
Land area	23,370 m²		☑ Lines	☐ ☑ City water

SUMMARY OF COAST STATION

SITE	JAYAPURA		
CLASS	1ST	NO.	215

4. CONDITIONS OF TRANSMITTING STATION (Continued)

Refer to attached drawing

Building Conditions		Power Source				
Constructions			PLN Source	E/G	Existing Power Conditions	
Num. of story	One	Voltage	220 V	220 V	Good Bad	
Structure	Concrete	Phase	3	3	☑ ☐ Power Supply System	
Type of roof	Asbestos	Wire	4	4	☑ ☐ Operations of E/G	
Type of ceiling	Asbestos	kVA	50	50	☑ ☐ Operations of AVR	
Type of wall	Concrete	Quality of PLN source			Capacity of fuel for engine	
Wall finish	Mortar	Fluctuations	220 V ± 10 %		Day tank	5 Liter
Flooring	Ceramic	Availability of power per day		24 Hours	Main tank	k Liter
Room Area (m²)		Power interruption /month		3 Times	E/G Stand-by System	
Operation room	83.00	Total interpt. hours /month		1 Hours	☐ Single System	
E / G room	47.5	Max. interpt. hours at once		Hours	☑ Dual System	
Remark						

5. OPERATION AND MAINTENANCE

Actions taken in equipment failure	
Restoration flow	Repaired by himself
Examples of major failure	Telephone Call, FR-500 does not transmit, FX low
Sufficiency of spares	

Records of damages		Environmental Conditions		
		Good	Bad	
☐ Heavy rainfall		☑	☐	External noises
☐ Storm		☑	☐	Air pollution
☐ Lightning				
☐ Other calamity				

Institutional and Human Statuses				
1	Budget	☐ Sufficient	☐ Reasonable	☑ Insufficient
2	Spares	☐ Enough	☐ Reasonable	☑ Not enough
3	Measuring eqpt./tools	☐ Enough	☐ Reasonable	☑ Not enough
4	Number of Operator	☐ Enough	☐ Reasonable	☑ Not enough
5	Number of Technician	☐ Enough	☐ Reasonable	☑ Not enough
6	Capability of Operator	☐ Skilled	☐ Not so bad	☑ Not capable
7	Capability of Technician	☐ Skilled	☐ Not so bad	☑ Not capable

6. PERSONNEL FORMATIONS

	RX	TX
Chief	1	
Operator (skilled)	(14)	()
Technician (skilled)	(3)	10 ()
Administrator		
Total	18	10

Training Record				
Course	Class	Location	Period	Trainee
	Pre-II	Jakarta	1994	2
	Oru	Jakarta		6
Sarcom	Basic	Jakarta		10
PDTR	I/II	Jayapura		2
PTR	II	Jayapura		2

7. STATISTICAL COMMUNICATION TRAFFIC DATA

Maritime Safety

Years	TG	TEL	DSC	NBDP
1996	243	127		
1997	225	91		
1998	195	97		
1999	100	176		
2000	250	44		

Public Telecommunication Service

Years	Telephone		TG Call
	Call	Minute	
1991			
1992			
1993			
1994			
1995			

Years	Telephone		TG Call
	Call	Minute	
1996	127	593	243
1997	91	319	225
1998	97	377	195
1999	176	654	100
2000	44	161	250

8. COMMENTS

Suggestion	Training for Operator/Technician, additional personnel (available : 29 Necessity : 85) Spare-part, Transportation, Power legality Disnav/SROP for SROP Supervisor -Non Ditjen Hubla is not clear Transportation
Remarks	

INVENTORY

Site Name: Jayapura

No	Registered No.	Description	Type	Serial No	Manufacturer	Date	Reference	Maintenance Record	Condition
1		**Radio Equipment**							
1-1		**Transmitter**							
1		1KW MF Transmitter	NSC-144A	BS-60023	JRC	1968			Not Used
2		1KW MF Transmitter	NSC-144A	BS-60024	JRC	1968			Not Used
3		1KW HF Transmitter	NSB-6B	BS-30075	JRC	1968			Not Used
4		1KW HF Transmitter	NSB-6B	BS-30076	JRC	1968			Not Used
5		1KW HF Transmitter	NSB-6B	BS-30078	JRC	1968			Not Used
6		SSB Radio Telephone	JSB-51	BS-16439	JRC	1985			Damaged
7		1KW SSB Transmitter	JRS-106NB	BS-61504	JRC	1985	F-TA-193: PH1		Good
8		1KW SSB Transmitter	JRS-106NB	BS-61502	JRC	1985	F-TA-193: PH1		Good
9		1KW SSB Transmitter	JRS-106NB	BS-61503	JRS	1985	F-TA-193: PH1		Good
10		1KW HF Transmitter	JRS-106NB	BS-62118	JRS	1989	F-TA-193: PH2		Good
11		1KW MF Transmitter	JRS-108P	BS-62126	JRC	1989	F-TA-193· PH2		Good
12		1KW HF Transmitter	JRS-106NB	BS-62096	JRC	1990	SAR Project		Damaged
13		1KW HF Transmitter	JRS-106NB	BS-62097	JRC	1990	SAR Project		Damaged
14		1KW HF Transmitter (DSC)	JRS-713AM	BS-63514	JRC	1995	F-TA-193. PH3		Damaged
15		1KW HF Transmitter (NBDP)	JRS-713AM	BS-63515	JRC	1995	F-TA-193. PH3		Good
16		1KW MF Transmitter (Navtex)	JRS-108P	BS-63480	JRC	1995	F-TA-193: PH3		Damaged
17		1kW MF/HF Transmitter (MOBIL)	JRS-713AM	JF00038	JRC	1997	F-TA-193. PH3		Good
18		1kW MF/HF Transmitter (FIX)	JRS-713BM	JF00047	JRC	1997	F-TA-193: PH3		Good
1-2		**Remote Control System**							
1-2-1		**Remote Control**							
1		Remote Control & Morse TX Rack	GED-1050	BP-89024	JRC	1985	F-TA-193: PH1		Good
2		Remote Control Unit	JCC-300ROS	BP-89327	JRC	1985	F-TA-193: PH1		Good
3		Remote Control Unit	JCC-300ROS	BP-89328	JRC	1985	F-TA-193: PH1		Good
4		Remote Control Unit	NCE-942A	20130	JRC	1969			Good
5		Remote Control Unit	NCE-942B	20106	JRC	1969			Good
6		Remote Control Rack	GED-1049B	BP-89020	JRC	1985	F-TA-193: PH1		Good
7		Remote Control Rack	GED-1110H	BP-91938	JRC	1989	SAR Project		Damaged
8		Local Terminal Unit	JCC-300LRB	BP-89311	JRC	1985	F-TA-193: PH1		Good
9		Voice Frequency Telegraph	JUT-1A	EQ-12854	JRC	1985	F-TA-193: PH1		Good
10		Main Distribution Frame	NQE-40A2	EQ-12826	JRC	1985	F-TA-193: PH1		Good

No	Registered No.	Description	Type	Serial No	Manufacturer	Date	Reference	Maintenance Record	Condition
11		Voice Frequency Telegraph	JUT-1A	EQ-12855	JRC	1985	F-TA-193 PH1		Good
12		Main Distribution Frame	NQE-40A2	EQ-12827	JRC	1985	F-TA-193: PH1		Good
13		GSR Unit	NNE-100	N-59128	JRC	1989	SAR Project		Good
14		GSR Unit	NNE-100	N-59136	JRC	1989	SAR Project		Good
15		DRSC-SS type 11	JUL-105-4	ET-12129	JRC	1990	SAR Project		Damaged
1-2-2		**Supervisory Console**							Good
1		Console	NCA-563B	BP-89349	JRC	1985	F-TA-193· PH1		Good
2		Receiver	NRD-93	BR-33422	JRC	1985	F-TA-193: PH1		Damaged
3		Speaker panel (1)	NVA-46G		JRC	1985	F-TA-193: PH1		Good
4		TX Status display panel	NCG-61C		JRC	1985	F-TA-193: PH1		Good
5		Ant Matrix status display panel	NCG-62B		JRC	1985	F-TA-193: PH1		Good
6		Independent Clock	QA-513		JRC	1985	F-TA-193: PH1		Good
7		Power Supply	CBD-665		JRC	1985	F-TA-193: PH1		Good
8		Supervisory Desk	NCE-93	BP-20103	JRC	1969			Good
9		Frecuency Counter	MJM-175	1176	JRC	1969			Damaged
10		Oscilloscope	625A	EH-91151	JRC	1969			Damaged
11		Demudulator	NMB-803A	BP-80176	JRC	1969			Damaged
12		Detector	NJZ-121B						Good
1-3		**Operator Console/Desk/Rack**							
1-3-1		**MF TG Console**							
1		Console	NCA-559B	BP-89341	JRC	1985	F-TA-193: PH1		Damaged
2		Receiver	NRD-93	BR-33425	JRC	1985	F-TA-193: PH1		Good
3		Receiver	NRD-93	BR-33448	JRC	1985	F-TA-193: PH1		Good
4		Speaker Panel (1)	NVA-64		JRC	1985	F-TA-193· PH1		Good
5		Radio Terminal	NQP-11	BP-89397	JRC	1985	F-TA-193: PH1		Good
6		Radio Terminal	NQP-11	BP-89398	JRC	1985	F-TA-193: PH1		Damaged
7		TX Controller	NCH-230	BP-89480	JRC	1985	F-TA-193: PH1		Good
8		TX Controller	NCH-230	BP-89506	JRC	1985	F-TA-193: PH1		Damaged
5		Scanning Unit	NDH-93	BR-35470	JRC	1985	F-TA-193: PH1		Damaged
9		CQ-Transmitter	RS-4K		JRC	1985	F-TA-193: PH1		Good
10		Telephone type Station	YT-A		JRC	1985	F-TA-193: PH1		Good
11		Slave Clock			JRC	1985	F-TA-193. PH1		Good
12		Power Supply (1)	NBK-31B		JRC	1985	F-TA-193: PH1		Good
13		Morse Transmitter	NGK-2	BS-61456	JRC	1985	F-TA-193· PH1		Good

No	Registered No.	Description	Type	Serial No	Manufacturer	Date	Reference	Maintenance Record	Condition
1-3-2		**MF TP Console**							Good
1		Console	NCA-822 F	JF31761	JRC	1997	F-TA-193: PH3		Good
2		Receiver	NRD-93	BR78044	JRC	1997	F-TA-193: PH3		Good
3		Receiver	NRD-93	BR78045	JRC	1997	F-TA-193: PH3		Good
4		Scanning Unit	NDH-93	-	JRC	1982	F-TA-193: PH3		Good
5		Speaker Panel	NVA-64-2	1	JRC	1997	F-TA-193: PH3		Good
6		Signal Controller	NQP-21-1	JF31886	JRC	1997	F-TA-193: PH3		Good
7		Telephone Repeater	NQQ-31BB	JF31927	JRC	1997	F-TA-193. PH3		Good
8		Telecontroller	NCH-701M	JF31971	JRC	1997	F-TA-193: PH3		Good
9		Telecontroller	NCH-300P	JF31755	JRC	1997	F-TA-193: PH3		Good
10		Tx Selector	NCJ-676	JF32064	JRC	1997	F-TA-193: PH3		Good
11		Junction Box	NQD-3760	1	JRC	1997	F-TA-193: PH3		Good
12		Jack Panel	NQC-742A	1	JRC	1997	F-TA-193: PH3		Good
13		RF Jack Panel	NQE-584C	1	JRC	1997	F-TA-193: PH3		Good
14		Power Supply	NBK-31	1	JRC	1997	F-TA-193: PH3		Good
15		Clock (+9H)	6HCED00075	1	JRC	1997	F-TA-193: PH3		Good
16		Headset	NTR-3302	1	JRC	1997	F-TA-193: PH3		Good
17		Chair		1	JRC	1997	F-TA-193: PH3		Good
1-3-3		**NAVTEX Console**							Good
1		Navtex Receiver	NCR-300A	GD-22730	JRC	1996	F-TA-193: PH3		Good
2		ARQ Modem with System FD	NCL-800	BP-73269	JRC	1995	F-TA-193: PH3		Good
3		PC 486DX4-100MHz	PC-100		IBM	1996	F-TA-193: PH3		Good
4		CRT Display (1)			IBM	1996	F-TA-193: PH3		Good
5		Printer (1)	LX-300		EPSON	1996	F-TA-193: PH3		Good
6		Desk (2)	CD4-394		JRC	1996	F-TA-193: PH3		Good
1-3-4		**FIX COM Console**							Good
1		Console	NCA-562D	BP-89345	JRC	1985	F-TA-193: PH1		Good
2		Receiver	NRD-93	BR-33422	JRC	1985	F-TA-193: PH1		Good
3		Receiver	NRD-93	BR-33449	JRC	1985	F-TA-193: PH1		Good
4		Telecontroller	NCH-701M	JF-31970	JRC	1997	F-TA-193: PH1		Good
5		Radio Terminal	NQP-11	BP-89422	JRC	1985	F-TA-193: PH1		Good
6		TX Controller	NCH-300P	BP-91750	JRC	1989	F-TA-193. PH1		Good
7		Telephone Repeater	NQQ-31A	JF-21930	JRC	1997	F-TA-193: PH1		Damaged
8		Lincompex	NZA-15	BB-10096	JRC	1985	F-TA-193: PH1		Good

No	Registered No.	Description	Type	Serial No	Manufacturer	Date	Reference	Maintenance Record	Condition
9		ARQ Equipment	NCL-550A	GA-10261	JRC	1985	F-TA-193: PH1		Good
10		Telephone type Station	YT-A		JRC	1985	F-TA-193: PH1		Good
11		Slave Clock			JRC	1985	F-TA-193. PH1		Good
12		Power supply	NBK-31B		JRC	1985	F-TA-193: PH1		Good
13		Speaker Panel	NVA-64G		JRC	1985	F-TA-193: PH1		Good
14		ARQ	NCL-181A	BQ-50062	JRC	1974	F-TA-193: PH1		No Good
15		ARQ Remote Control Box	NCH-3A	BP-81171	JRC	1974	F-TA-193: PH1		No Good
16		Telephone Conection Unit	NXA-2255A	BP-20294	JRC	1969			No Good
17		Morse Repeater	EG-21/16	842353	Hell	1969			Not Used
18		Morse Repeater		842380	Hell	1969			Not Used
19		Cable Terminal Box	NQD-121		JRC	1969			No Good
1-3-5		**Search & Monitor Console**							Good
1		Console	NCA-564A	BP-31104	JRC	1985	F-TA-193: PH1		Good
2		Receiver	NRD-93	BR-33427	JRC	1985	F-TA-193· PH1		Not Used
3		Scanning Unit	NDH-93	BR-35469	JRC	1985	F-TA-193: PH1		Not Used
4		Speaker Panel (1)	NVA-64		JRC	1985	F-TA-193: PH1		Good
5		500KHz AA Rec	JXA-15A	BA-20738	JRC	1985	F-TA-193: PH1		Good
6		2182 KHz AA Rec	JXA-6A	BA-21036	JRC	1985	F-TA-193: PH1		Good
7		Automatic Direction Finder	JLR-1002	MF-12482	JRC	1985	F-TA-193: PH1		Good
8		Telephone Type Station	YT-A		JRC	1985	F-TA-193: PH1		Good
9		Slave Clock (1)			JRC	1985	F-TA-193: PH1		Good
10		Power Supply (1)	NBK-31B		JRC	1985	F-TA-193: PH1		Good
11		550 KHz AA Buzzer	BZ-18	BA-20738	JRC	1985	F-TA-193: PH1		Good
12		Power Unit	NBA-3579	BP-20738	JRC	1985	F-TA-193: PH1		Good
13		Power Supply	NBA-1180	MF-12482	JRC	1985	F-TA-193: PH1		Good
14		Audio Select & Monitor	NCJ-280A	BP-89374	JRC	1985	F-TA-193: PH1		Good
1-3-6		**DSC Console**							
1		DSC System	NCA-783B	BP-98271	JRC	1995	F-TA-193· PH3		Good
2		Telecontroller	NCH-701M	BP-98709	JRC	1995	F-TA-193: PH3		Good
3		PC 150DX4-100MHz	PC-100		JRC	1996	F-TA-193: PH3		Good
4		CRT-Display (1)	6542-105		JRC	1996	F-TA-193: PH3		Good
5		System Floppy Disk (1)	7YLED10101		JRC	1996	F-TA-193. PH3		Good
6		Master Clock	KM-6TH	MVG-2129	JRC	1989	F-TA-193: PH3		Good
7		Chair (1)			JRC	1996	F-TA-193: PH3		Good

No	Registered No.	Description	Type	Serial No	Manufacturer	Date	Reference	Maintenance Record	Condition
8		Printer Rack (1)	P-1020G		JRC	1996	F-TA-193: PH3		Good
9		Printer (1)	LX-300		JRC	1996	F-TA-193: PH3		Good
10		Paper (2)			JRC	1996	F-TA-193: PH3		Good
11		DSC W/K RX Rack (2U type)	GED-1249A	BP-98298	JRC	1996	F-TA-193: PH3		Good
12		RF Jack Panel (1)	NQE-584R-C		JRC	1996	F-TA-193: PH3		Good
13		Junction Box (1)	NQD-3631		JRC	1996	F-TA-193: PH3		Good
14		Alarm Buzzer (1)	CCD-242		JRC	1996	F-TA-193: PH3		Good
15		DSC W/K Receiver	NRD-740	BR-69448	JRC	1995	F-TA-193: PH3		Good
16		DSC W/K Receiver	NRD-740	BR-69449	JRC	1995	F-TA-193: PH3		Good
17		DSC W/K Receiver	NRD-740	BR-69450	JRC	1995	F-TA-193: PH3		Good
18		DSC W/K Receiver	NRD-740	BR-69451	JRC	1995	F-TA-193: PH3		Good
19		DSC W/K Receiver	NRD-740	BR-69452	JRC	1995	F-TA-193: PH3		Good
20		DSC W/K Receiver	NRD-740	BR-69453	JRC	1995	F-TA-193: PH3		Good
21		DSC W/K Receiver	NRD-740	BR-69454	JRC	1995	F-TA-193: PH3		Good
22		DSC W/K Receiver	NRD-740	BR-69456	JRC	1995	F-TA-193: PH3		Good
23		DSC W/K Receiver	NRD-740	BR-69457	JRC	1995	F-TA-193: PH3		Good
24		RX Controller	NCJ-536A	BP-98379	JRC	1995	F-TA-193: PH3		Good
25		RX Controller	NCJ-536A	BP-98380	JRC	1995	F-TA-193: PH3		Good
26		Antenna Multi Coupler	NAJ-110A	BC-19368	JRC	1996	F-TA-193: PH3		Good
27		1600KHz High Pass Filter	CFK-2	BC-19353	JRC	1996	F-TA-193: PH3		Good
28		System Rack with Mother Board & PS	NCT-32	BP-98546	JRC	1996	F-TA-193: PH3		Good
29		DSC DEM	NCD-129A	BP-98470	JRC	1995	F-TA-193: PH3		Good
30		DSC DEM	NCD-129A	BP-98471	JRC	1995	F-TA-193: PH3		Good
31		DSC DEM	NCD-129A	BP-98472	JRC	1995	F-TA-193: PH3		Good
32		DSC MOD	CNM-159A	BP-98503	JRC	1995	F-TA-193: PH3		Good
33		VHF DSC Modem (CH70)	CNM-158A	BP-98527	JRC	1995	F-TA-193: PH3		Good
34		CPU IF	CDC-721A	BP-98431	JRC	1995	F-TA-193: PH3		Good
35		Power Supply	NBA-3979C	BP-98559	JRC	1996	F-TA-193: PH3		Good
1-3-7		**NBDP Console**							
1		Console (2U type)	NCA-784A	BP-98283	JRC	1996	F-TA-193: PH3		Good
2		Jack Panel (1)	NQC-742A		JRC	1996	F-TA-193: PH3		Good
3		RF Jack Panel (1)	NQE-584C		JRC	1996	F-TA-193: PH3		Good
4		Junction Box (1)	NQD-3654A		JRC	1996	F-TA-193: PH3		Good
5		Power Supply (1)	NBK-31		JRC	1996	F-TA-193: PH3		Good

No	Registered No.	Description	Type	Serial No	Manufacturer	Date	Reference	Maintenance Record	Condition
6		Receiver	NRD-93	BR-69369	JRC	1995	F-TA-193: PH3		Good
7		Receiver	NRD-93	BR-69370	JRC	1995	F-TA-193: PH3		Good
8		Hybrid (1)	CB-721S-S		JRC	1996	F-TA-193: PH3		Good
9		Speaker Panel (1)	NVA-64		JRC	1996	F-TA-193: PH3		Good
10		Telecontroller	NCH-701M	BP-98710	JRC	1995	F-TA-193: PH3		Good
11		Signal Controller	NQP-21	BP-98632	JRC	1995	F-TA-193: PH3		Good
12		Telephone Repeater	NQQ-31BB	JF-21928	JRC	1996	F-TA-193: PH3		Damaged
13		System Rack With Mother Board & P	NCT-32S-A	BP-98572	JRC	1996	F-TA-193: PH3		Good
14		FS Modem	CHF-12A	BP-98403	JRC	1995	F-TA-193: PH3		Good
15		CPU IF	CDC-721A	BP-98430	JRC	1995	F-TA-193: PH3		Good
16		Level Converter	CMH-1280	BP-98580	JRC	1995	F-TA-193: PH3		Good
17		2W/4W Converter	NHH-556A-3	BP-99824	JRC	1995	F-TA-193: PH3		Good
18		Personal Computer (1)	6281-V5B		JRC	1996	F-TA-193· PH3		Good
19		CRT Display (1)	6542-105		JRC	1996	F-TA-193: PH3		Good
20		System Floppy Disk (NBDP/TLX)	7YLED10106		JRC	1996	F-TA-193· PH3		Good
21		Clock (+8H) (1)	6HCED00074		JRC	1996	F-TA-193: PH3		Good
22		Headset (1)	NTR-3302		jrc	1996	F-TA-193: PH3		Damaged
23		Morse Key (1)	HK-704		JRC	1996	F-TA-193: PH3		Good
24		Cable for Key (1)	KC-547		JTC	1996	F-TA-193: PH3		Good
25		Headphone (1)	ST-3		JRC	1996	F-TA-193. PH3		Good
26		Chair (1)			JRC	1996	F-TA-193. PH3		Good
27		Printer Rack (1)	P-1020G		JRC	1996	F-TA-193· PH3		Good
28		Printer (2)	LX-300		JRC	1996	F-TA-193· PH3		Good
29		Printer Auto-Switch (1)	ASL-21(240)		JRC	1996	F-TA-193: PH3		Good
31		Paper Tape Reader/Puncher (1)	DPT-610A		JRC	1996	F-TA-193· PH3		Good
1-3-8		**MF/HF TG/TP Console**							
1		Console	NCA-565A	BP-89357	JRC	1985	F-TA-193: PH1		Good
2		Receiver	NRD-93	BR-33424	JRC	1985	F-TA-193: PH1		Good
3		Receiver	NRD-93	BR-33425	JRC	1985	F-TA-193: PH1		Good
4		Receiver	NRD-93	BR-33426	JRC	1985	F-TA-193: PH1		Good
6		Scanning Unit	NDH-93	BR-35471	JRC	1985	F-TA-193: PH1		Damaged
7		Speaker Panel (2)	NVA-64G		JRC	1985	F-TA-193: PH1		Good
8		Radio Teminal	NQP-11	BP-89421	JRC	1985	F-TA-193: PH1		Good
9		Radio Terminal	NQP-11	BP-89422	JRC	1985	F-TA-193: PH1		Good

No	Registered No.	Description	Type	Serial No	Manufacturer	Date	Reference	Maintenance Record	Condition
10		TX Controller	NCH-230	BP-89505	JRC	1985	F-TA-193: PH1		Good
11		TX Controller	NCH-230	BP-89506	JRC	1985	F-TA-193: PH1		Good
12		TX Controller	NCH-230	BP-89507	JRC	1985	F-TA-193· PH1		Damaged
13		TX Controller	NCH-230	BP-89508	JRC	1985	F-TA-193. PH1		Good
14		Telephone Repeater	NQR-31A	BP-89452	JRC	1985	F-TA-193 PH1		Good
15		Telephone Repeater	NQR-31A	BP-89453	JRC	1985	F-TA-193: PH1		Good
16		Telephone Type Station	YT-A		JRC	1985	F-TA-193: PH1		Good
17		Slave Clock			JRC	1985	F-TA-193: PH1		Good
18		Power Supply	NBK-31A		JRC	1985	F-TA-193: PH1		Good
19		Power Supply	NBK-31B		JRC	1985	F-TA-193: PH1		Good
1-3-9		**Connection Rack**							Good
1		Connection Rack	GED-1056B	BP-89029	JRC	1985	F-TA-193. PH1		Good
2		Common Repeater	NQQ-18G	JF-31950	JRC	1985	F-TA-193: PH1		Damaged
3		Common Repeater	NQQ-18GC	JF-31950	JRC	1997	F-TA-193· PH3		Good
4		Junction Box (1)	NQD-3013B		JRC	1985	F-TA-193· PH1		Good
1-3-10		**Receivers**							
1		Receiver	JRR-11/2B	BR-11571	JRC	1972			Good
2		Receiver	JRR-11/2B	BR-11572	JRC	1969			Good
3		Receiver	NRD-11E	AR-10403	JRC	1969			Good
4		Receiver	NRD-11E	AR-10404	JRC	1969			Good
5		Receiver	NRD-2	R-31306	JRC	1969			Good
6		Receiver	NRD-11E	AR-10400	JRC	1969			Good
7		Receiver	NRD-11E	AR-10401	JRC	1969			Good
8		Receiver	NRD-11E	AR-10402	JRC	1969			Good
9		Receiver	NRD-1EL	AR-10540	JRC	1969			Good
10		Receiver	NRD-1EL	AR-10539	JRC	1969			Good
1-4		**VHF System**							
1		VHF Console	GFD-501YC (A)	CV-57493	JRC	1985	F-TA-193: PH1		Damaged
2		VHF Marine Transceiver	GFD-260YK	CV-57462	JRC	1985	F-TA-193: PH1		Good
3		VHF Marine Transceiver	GFD-260YL	CV-57475	JRC	1985	F-TA-193: PH1		Good
4		VHF Marine Transceiver	GFD-260YL	CV-57476	JRC	1985	F-TA-193: PH1		Good
5		VHF Marine Tranceiver	GFD-260YM	BH-16897	JRC	1989	SAR Project		Damaged
6		VHF TX/RX (CH70 DSC)	JRV-500AP	BH-20429	JRC	1996	F-TA-193 PH3		Good

No	Registered No.	Description	Type	Serial No	Manufacturer	Date	Reference	Maintenance Record	Condition
7		Slave Clock		1899	JRC	1985	F-TA-193: PH1		Good
8		Transceiver	JSB-51	BS-16439	JRC	1985	F-TA-193: PH1		Good
9		Band Pass Filter	BP2-1500A	F-44448	JRC	1985	F-TA-193: PH1		Good
10		Duplexer (1)	AW-158YB	950725	JRC	1996	F-TA-193: PH3		Good
11		Duplexer	AW-158YG	9-1010	JRC	1985	F-TA-193: PH1		Good
12		Coaxial Arrester (1)	NYZ-150		JRC	1996	F-TA-193: PH3		Good
13		VHF Duplexer	AW-199	9142	JRC	1969			Good
14		VHF Antenna Filter	AW-198A	F-78633	JRC	1969			Good
15		VHF T/R	JHV-224	039-34	JRC	1969			No Good
16		VHF T/R	JHV-25	F-58614	JRC	1969			No Good
17		VHF T/R	JHF-25	CA-54545	JRC	1969			No Good
18		VHF Remote Control	FW-91-1187A	CA-30717	JRC	1969			No Good
19		Transceiver	FT-300C	0820743OD4	Yaesu	1982			Good
1-5		**UHF/SHF Link**							
1		Multiplex Radio Relay Equipment	JUP-450	EM-11529	JRC	1985	F-TA-193: PH1		Good
2		Multiplex Terminal Equip (12/24 Ch)	JUP-5A	EP-11854	JRC	1985	F-TA-193: PH1		Good
3		Multiplex Radio Relay Equipment	JUP-450 (2)	EM-11531/2	JRC	1985	F-TA-193: PH1		Good
4		Multiplex Terminal Eqpt. (12/24 Ch)	JUP-5A	EP-11855	JRC	1985	F-TA-193. PH1		Good
5		Multiplex Radio Relay	JUP-450	U2Z17	JRC	1983	F-TA-193: PH1		Damaged
6		Multiplex Radio Relay	JUP-450	U2Z12	JRC	1983	F-TA-193: PH1		Damaged
7		Multiplex Radio Relay	JUB-2C104H	DA-10209	JRC	1969			Good
8		Multiplex Radio Relay	JUB-2C104H	DA-10208	JRC	1969			Good
9		Multiplex Teminal	JUB-2C115B	DE-10073	JRC	1969			Good
10		Multiplex Terminal	JUB-2C115B	DE-10074	JRC	1969			Good
11		Coaxial Arrester	NYZ-400	84020	JRC	1985	F-TA-193: PH1		Good
12		Coaxial Arrester	NYZ-400	84018	JRC	1985	F-TA-193: PH1		Good
1-6		**Mux Ch. Expantion (UHF)**							
1		Sub Rack 12/24ch to 24/24ch	NQD-508	N8X019	JRC	1989	SAR Project		Good
2		Sub. Rack 12/24ch to 24/24ch	NQD-508	N8Z002	JRC	1989	SAR Project		Good
3		Modem Unit (2ch)	NMC-100A1	N8X066	JRC	1989	SAR Project		Good
4		Modem Unit (2ch)	NMC-100A1	N8X078	JRC	1989	SAR Project		Good
5		Modem Unit (2ch)	NMC-100A1	N8X028	JRC	1989	SAR Project		Good
6		Modem Unit (2ch)	NMC-100A1	N8X029	JRC	1989	SAR Project		Good

No	Registered No.	Description	Type	Serial No	Manufacturer	Date	Reference	Maintenance Record	Condition
7		Modem Unit (2ch)	NMC-100A1	N8X036	JRC	1989	SAR Project		Good
8		Modem Unit (2ch)	NMC-100A1	N8X037	JRC	1989	SAR Project		Good
9		Modem Unit (2ch)	NMC-100A1	N8X024	JRC	1989	SAR Project		Good
10		Modem Unit (2ch)	NMC-100A1	N8X025	JRC	1989	SAR Project		Good
11		Modem Unit (2ch)	NMC-100A1	N8X029	JRC	1989	SAR Project		Good
12		Modem Unit (2ch)	NMC-100A1	N8X038	JRC	1989	SAR Project		Good
13		Modem Unit (2ch)	NMC-100A1	N8X039	JRC	1989	SAR Project		Good
14		Modem Unit (2ch)	NMC-100A1	N8Z039	JRC	1989	SAR Project		Good
15		GSR Unit	NNE-100	N59128	JRC	1989	SAR Project		Good
16		GSR Unit	NNE-100	N59136	JRC	1989	SAR Project		Good
2		**Tower & Antenna System**							
2-1		**Tower & Mast**							
		TX Station							
1		30mHx1 Self Supporting	Triangle						Good
2		35mHx4 Self Supporting	Triangle						Good
3		35mHx1	Square						Good
		RX Station							Good
4		25mHx4 Panzer Mast	Cylinder						Good
2-2		**Antenna System**							
		TX Station							
1		4W T Type Antenna		11					No Good
2		Inverted "L" Antenna		10,12&13					Good
3		Double Doublet Antenna		1					No Good
4		Multi Doublet Antenna		2,3,4,9&5					No Good
5		Fan Antenna		6,7&8					No Good
6		V-Log Periodic Antenna		14					No Good
7		Brown Cadioide Antenna (1)	BRC-1511		JRC	1996	F-TA-193. PH3		Good
8		I/L Antenna (2)	CL-045M		JRC	1996	F-TA-193: PH3		Good
		RX Station							
9		Inverted "L" Antenna		2,3,4,5&8					Good
10		Loop Antenna		7					Good
11		Double Doublet Antenna		1,6					Good

No	Registered No.	Description	Type	Serial No	Manufacturer	Date	Reference	Maintenance Record	Condition
12		VHF Antenna x4							Good
13		Brown Cadioide Antenna x5							Good
14		2GHz Antenna x1							Good
15		8-Element Yagi Antenna	YB-4503A	4084	JRC	1985	F-TA-193: PH1		Good
16		5-Element Yagi Antenna			JRC	1983	F-TA-193: PH1		Good
2-3		**Antenna Switch**							
1		Antenna Switch Rack	GFD-1116M	BP-98655	JRC	1995	F-TA-193: PH3		Good
2		Antenna Exchanger	NKZ-223A	BP-99947	JRC	1995	F-TA-193. PH3		Good
3		Antenna Exchanger	NKZ-223	BP-91993	JRC	1989	SAR Project		No Good
4		Antenna Exchanger	NKZ-223		JRC	1987	F-TA-193: PH1		Good
5		Antenna Matrix Switch	NKZ-61	BP-12176	JRC	1996	F-TA-193: PH3		Good
6		Antenna Switch Rack	GSD-1116M	BP-98653	JRC	1996	F-TA-193: PH3		Good
7		MF Antenna Exchanger	NKZ-223A	BP-99947	JRC	1995	F-TA-193· PH3		Good
		Antenna Selector							
8		Antenna Changer x1	CS-201N		JRC	1985	F-TA-193: PH1		Good
9		Antenna Selector Rack	GJD-107B	BP-89115	JRC	1985	F-TA-193: PH1		Good
10		Antenna Selector x1	NKZ-220B		JRC	1985	F-TA-193: PH1		Good
11		Antenna Multicoupler	AW-48A	AC-10298	JRC	1969			Good
12		Antenna Filter	AW-209A		JRC	1969			Good
13		Antenna Multicoupler	NAF-80FA	BC-13450	JRC	1985	F-TA-193: PH1		Good
14		Antenna Multicoupler	NAF-80FA	BC-13447	JRC	1985	F-TA-193: PH1		Good
15		Antenna Multicoupler	NAF-80FA	BC-13448	JRC	1985	F-TA-193. PH1		Good
16		Antenna Multicoupler	NAF-80FA	BC-13449	JRC	1985	F-TA-193: PH1		Damaged
17		BC Rejection Filter	CFL-172	BC-13546	JRC	1985	F-TA-193: PH1		Good
18		BC Rejection Filter	CFL-172	BC-13547	JRC	1985	F-TA-193: PH1		Good
19		BC Rejection Filter	CFL-172	BC-13548	JRC	1985	F-TA-193: PH1		Good
20		BC Rejection Filter	CFL-172	BC-13549	JRC	1985	F-TA-193: PH1		Good
2-4		**Antenna Matching Unit**							
1		Antenna Matching Unit x1	AW-314	012	JRC	1989	F-TA-193: PH1		Good
2		Antenna Matching Unit	NFG-3CA	BP-91950	JRC	1985	F-TA-193: PH1		Good
3		Matching Unit Control	NCM-134F	BP-88965	JRC	1985	F-TA-193: PH1		Good
4		Antenna Matching Unit	NFG-2C		JRC	1987	F-TA-193: PH1		Good
5		Antenna Matching Unit	NFG-3CA		JRC	1987	F-TA-193: PH1		Good
6		Matching Unit Control	NCN-134F	BP-91387	JRC	1987	F-TA-193: PH1		Good

No	Registered No.	Description	Type	Serial No	Manufacturer	Date	Reference	Maintenance Record	Condition
7		TX AMU for I/L (for DSC)	NFG-140A	BP-98599	JRC	1996	F-TA-193: PH3		Good
8		TX AMU for I/L (NBDP)	NFG-140A	BP-98600	JRC	1996	F-TA-193: PH3		Good
9		Matching Unit Control (for MF)	NCM-134F	BP-99951	JRC	1996	F-TA-193: PH3		Good
10		Antenna Matching Unit	NFG-140A	BP-98600	JRC	1985	F-TA-193: PH1		Good
11		Antenna Matching Unit	NFG-140A	BP-98599	JRC	1985	F-TA-193: PH1		Good
12		Matching Unit Control	NCM-134F	BP-99951	JRC	1985	F-TA-193: PH1		Good
13		Antenna Multicoupler	NAJ-110A	BL-19368	JRC	1995	F-TA-193: PH3		Good
3		**Power Supply Equipment**							
3-1		**Power Distribution Board**							
1		Power Distribution Board	NBJ-402RB	BP-98335	JRC	1995	F-TA-193: PH3		Good
2		Switch Board	NCB-430	BP-10069	JRC	1969			Good
3		Patching Board	NCE-940	BP-20127	JRC	1969			No Good
4		PDB-typeTA1(for TX)380V,3P	NBJ-402TA1	BP-98352	JRC	1996	F-TA-193: PH3		Good
3-2		**Isolation Transformer**							
1		Isolation Transf 380V,3Q,55kVA	NBL-22781	BP-99804	JRC	1995	F-TA-193: PH3		Good
2		55kVA 380, 3P	NBL-227B1	BP-99804	JRC	1996	F-TA-193: PH3		Good
3		10kVA, 220V, 1P, 2W (1)	NBL-227E2	BP-99819	JRC	1996	F-TA-193: PH3		Good
3-3		**Step-Up Transformer**							
1		40kVA 220V / 380V	LVED-00389	3577	JRC	1987	F-TA-193: PH1		Good
2		5kVA 110 / 220V	NBL-226C	BP-99800	JRC	1996	F-TA-193: PH3		Good
3-4		**UPS & AVR System**							
1		AVR	NBZ-261	BP-10072	JRC	1969			Good
2		UPS 2kVA, 220V, 1P (1)	Net.Pro 2000		JRC	1996	F-TA-193: PH3		Good
3		Accumulator 12V/200AHx4			National				No Good
4		Accumulator 12V/120AHx4			National				No Good
5		Accumulator 12V/200AHx2			Ohayo				Good
6		Accu Charger 6-12V/220V	SM-245		Delta				Damaged
7		Accu Charger 6-12V/220V			Delta				Damaged
3-5		**Engine Generator**							
1		70 PK Engine	4LG	4276	Kubota	1969			Good
2		70 PK Engine	4LG	4277	Kubota	1969			Good
3		9 PK Engine	ER-90H	5G-1164	Kubota	1969			Good
4		9 PK Engine	ER-105		Kubota	1969			Good

No	Registered No.	Description	Type	Serial No	Manufacturer	Date	Reference	Maintenance Record	Condition
5		Generator 50kVA	75200/15	120595	Taiyo	1969			Good
6		Generator 50kVA	75200/15	120596	Taiyo	1969			Good
7		Generator 5kVA	A-5W	970818					Good
8		Generator 5kVA	A-5W	51293	Seimitzu				Good
4		**Measuring Equipment**							
1		Oscilloscope	2235	B-017854	Tetronic	1985	F-TA-193: PH1		Good
2		Frequency Counter	5383A	2412A-06323	HP	1985	F-TA-193: PH1		Good
3		VHF Signal Generator	MG-54E	M-44484		1985	F-TA-193: PH1		Good
4		VHF Output Tester	MS-52B	M-49583	Anritsu	1985	F-TA-193: PH1		Good
5		UHF Signal generator	MG-54D	M-3791	Anritsu	1985	F-TA-193: PH1		Good
6		Selective Level Meter	AD-7530	M-534585	Ando	1985	F-TA-193: PH1		Good
7		Audio Distortion Meter	796F	M-14420223	Shibasoku	1985	F-TA-193: PH1		Good
8		Electronic Volt Meter	ML-69A	M-15787	Anritsu	1985	F-TA-193: PH1		Good
9		Digital Multi Tester	MD-220C	841207	Sanwa	1985	F-TA-193: PH1		Good
10		Psophometric Weighting Network	NJM-776B	ES-11472	JRC	1985	F-TA-193: PH1		Good
11		DC Power Supply Unit	PAD-35-5L	1840893	Kikusui	1985	F-TA-193: PH1		Good
12		Motor Driver Wire Wrapper	EW-7D	5C-1003	Densei	1985	F-TA-193: PH1		Good
13		Portable Test Rack	206			1985	F-TA-193: PH1		Good
14		Sinchronous Generator Selective	SJ-7580	534585	Ando	1984	F-TA-193: PH1		Good
15		Level Meter							Good
16		Termination Power Meter	TP-5J1D	22164	Fujisoku	1984	F-TA-193: PH1		Good
17		FM-AF Signal Generator	MSG-2560B	84113139	Meguro	1985	F-TA-193: PH1		Good
18		Test Unit	CCP-143		JRC	1985	F-TA-193: PH1		Good
19		Service Extender	CFQ-1818		JRC	1984	F-TA-193: PH1		Good
20		Mega Ohm Tester	3213-24	03524-S	Y'hama	1985	F-TA-193: PH1		Good
5		**Others**							
1		Air Conditioner	CS-130AK/235W	105900684	National	1986			Damaged
2		Air Conditioner		105900593	National	1986			Damaged
3		Air Conditioner		105900626	National	1986			Damaged
4		Intercome PABX	YKK-16		JRC	1985	F-TA-193: PH1		Good
5		Interphone			JRC	1985	F-TA-193: PH1		Damaged

INVENTORY

Site Name: Jayapura

No	Registered No.	Description	Type	Serial No	Manufacturer	Date	Reference	Maintenance Record	Condition
6		Tape Recorder	X-2000R	50598	TEAC	1985	F-TA-193: PH1		Damaged
7		Master Clock	KM-6TH-IPS	2129	Citizen	1984	F-TA-193: PH1		Good
8		Poot Switch	SF-1		JRC	1985	F-TA-193: PH1		Good
9		Tape	UF-35-180		TEAC	1985	F-TA-193: PH1		Good
10		Service Extender	CFQ-1818		JRC	1985	F-TA-193: PH1		Good
11		Teleprinter	T-1200	036377(016)	Siemens	1990	SAR Project		Good
12		Teleprinter	T-1200	036394(016)	Siemens	1990	SAR Project		Good
13		Key	KY-3A		JRC	1985	F-TA-193: PH1		Good
14		M	UD-844		JRC	1985	F-TA-193: PH1		Good
15		Hand Mice	DM-80T		JRC	1985	F-TA-193: PH1		Good
16		Hand Mice	UMJD-3		JRC	1985	F-TA-193: PH1		Good
17		Hand Set	NTR-3302		JRC	1985	F-TA-193: PH1		Good
18		Headphone	ST-3		JRC	1985	F-TA-193: PH1		Damaged
19		Headphone	ST-3		JRC	1985	F-TA-193: PH1		Damaged
20		Hand Set	UNFD-22		JRC	1985	F-TA-193: PH1		Damaged
21		Telephone terminal	TY-1		JRC	1985	F-TA-193: PH1		Good
22		Telephon Set	60-TA		JRC	1985	F-TA-193: PH1		Good
23		Clock	QA-513			1985	F-TA-193: PH1		Good
24		Dust Cover	TZ-650		TEAC	1985	F-TA-193: PH1		Damaged
25		Teleprinter with Stand	T-1000		Siemens	1982	F-TA-193: PH1		Damaged
26		TTY Conection Box	CQD-503		JRC	1985	F-TA-193: PH1		Good
27		Teleprinter	T-1000		Siemens	1982			Good
28		Teleprinter	S-100E	BP-80144	Yamura	1969			Good
29		Teleprinter	S-100E	BP-80144	Yamura	1969			Good
30		Teleprinter	LO-133	70210-12515	Lorenz	1977			Good
31		Automatic Aeirial Exchange	NQZ-168A	BP-80183	JRC	1969			Good
32		Intercome	LA-3	211147	Aiphone	1969			Good
33		Intercome	LA-3	133231	Aiphone	1969			Good
34		Carbone Mice	TM-28A		JRC	1969			Good
35		Dinamic	TM-94A		JRC	1969			Good
36		Key	Semi Auto		JRC	1969			Good
37		Key	KY-3		JRC	1969			Good

INVENTORY

Site Name: Jayapura

No	Registered No.	Description	Type	Serial No	Manufacturer	Date	Reference	Maintenance Record	Condition
38		Head Phone	TR-BIB		JRC	1969			Good
39		PCB Test	CFQ-402			1969			Good
40		Stereo Head Phone	HP-M7		Victor	1969			Good
41		Clock			Seiko	1969			Good
42		Jeep		F-260191	Toyota	1968			Damaged
43		Jeep		F-289303	Toyota	1968			Damaged
44		Motorcycle		V-125SE	Honda	1973			Damaged
45		Motorcycle		V-125SE	Honda	1973			Damaged
46		Motorcycle		A-100-731707	Honda	1979			Damaged
47		SSB Control Desk	NCE-938	BP-20119	JRC	1969			Damaged
48		SSB Control Desk	NCE-938	BP-20120	JRC	1969			Damaged
49		SSB Control Desk	NCE-938	BP-20121	JRC	1969			Damaged
50		Tools	ZPED00002						Good
51		Tools	S-10						Good
52		Tools	ND-XP217A-74						Good
53		Dummy Load	DL-102A-SJ-A	93895-4	JRC	1985		F-TA-193; PH1	Good

OPERATION SCHEDULE (FREQUENCIES)

Site Name: Jayapura

JYP-215-(1/2)

Call Sign : Mobile Service : PNK
Fix Service : 8AT

	FREQUENCY (kHz)	EMISSION	POWER (W)	UTC 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24	REMARK
	Mobile Service				
1	465,0	A1A	1000		
2	500,0	A1A	1000		
3	8 694,0	A1A	1000		
4	12 682,5	A1A	1000		
5	17.074,4	A1A	1000		
6	2.174,5	F1B	1000		
7	2 189,5	F1B	1000		
8	2.187,5	F1B	1000		
9	4 177,5	F1B	1000		
10	4 207,5	F1B	1000		
11	6 268,0	F1B	1000		
12	4 208,0	F1B	1000		
13	6.265,5	F1B	1000		
14	8.376,5	F1B	1000		
15	8 414,5	F1B	1000		
16	8 415,0	F1B	1000		
17	12 520,0	F1B	1000		
18	12 577,0	F1B	1000		
19	12 588,0	F1B	1000		
20	12 657,0	F1B	1000		
21	16 695,0	F1B	1000		
22	16 804,5	F1B	1000		
23	16 812,0	F1B	1000		
24	2 182,0	J3E	1000		
25	3 180,0	J3E	1000		
26	4 125,0	J3E	1000		
27	4 357,0	J3E	1000		

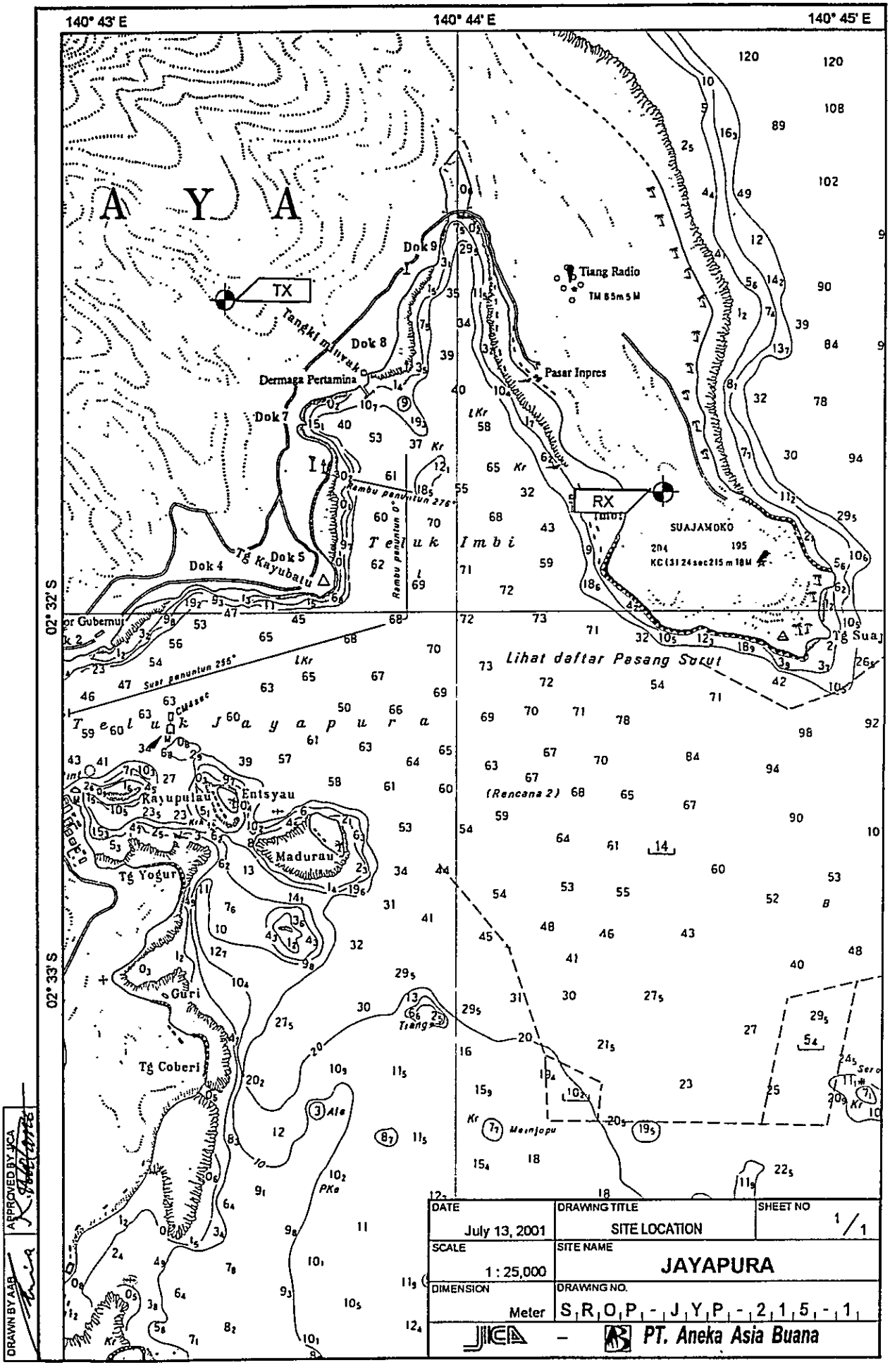
OPERATION SCHEDULE (FREQUENCIES)

Site Name: Jayapura

JYP-215-(2/2)

Call Sign : Mobile Service . PNK
Fix Service . 8AT

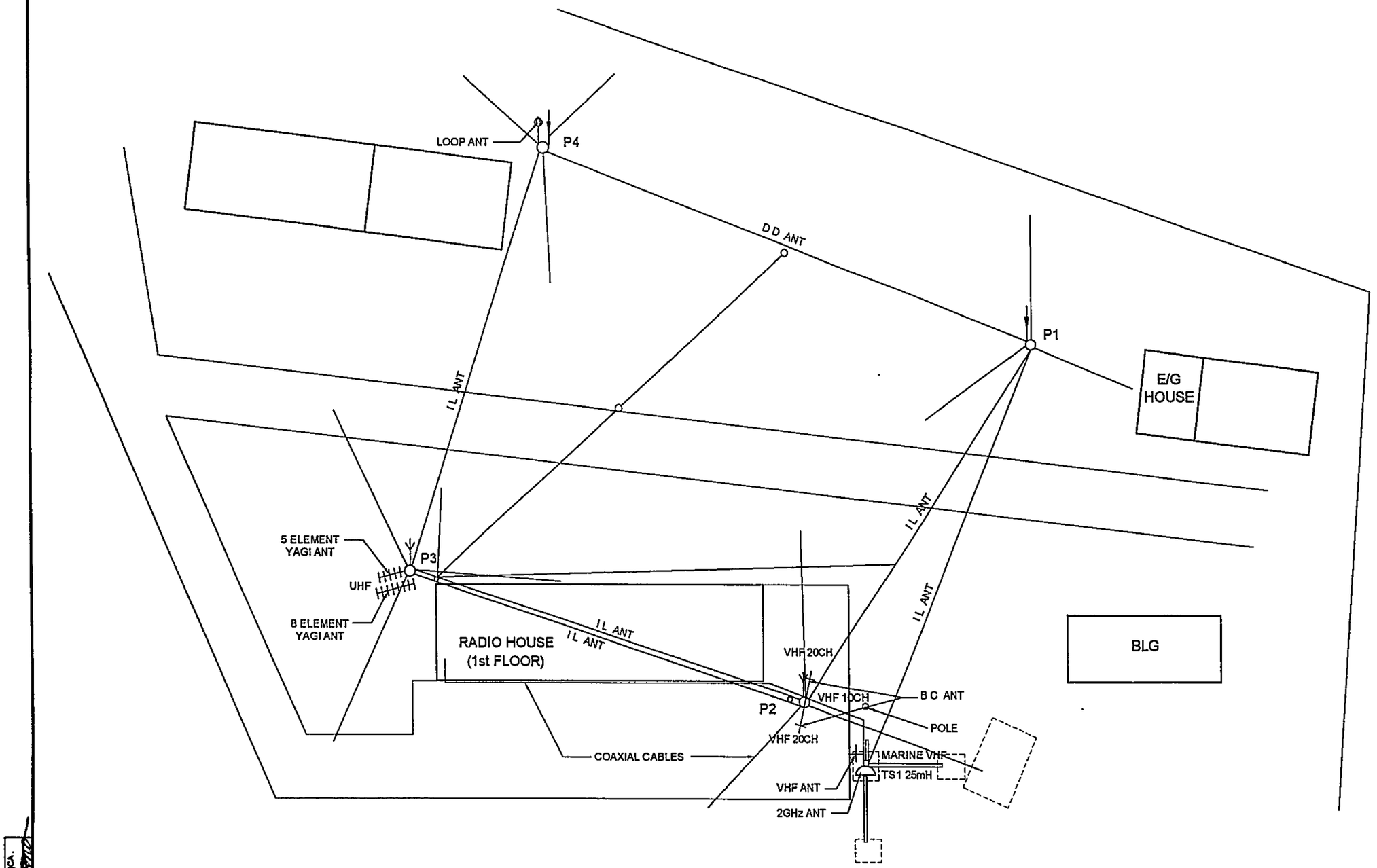
	FREQUENCY (kHz)	EMISSION	POWER (W)	UTC 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24	REMARK
28	6 215,0	J3E	1000		
29	6 224,0	J3E	1000		
30	6 510,0	J3E	1000		
31	8 291,0	J3E	1000		
32	8 800,0	J3E	1000		
33	12 290,0	J3E	1000		
34	13 110,0	J3E	1000		
35	16.420,0	J3E	1000		
36	17.269,0	J3E	1000		
37	16 805,0	J3E	1000		
	VHF Service				
38	156,525	G2B	50		
39	156,800	G3E	50		
40	161,600	G3E	50		
41	161,900	G3E	50		
	Fix Service				
42	6 926,0	J3E	150		
43	10 225,0	J3E	150		
44	13.661,0	J3E	150		
45	1.715,0	J3E	150		
46	9 925,0	J3E	150		



DATE: July 13, 2001	DRAWING TITLE: SITE LOCATION	SHEET NO: 1 / 1
SCALE: 1 : 25,000	SITE NAME: JAYAPURA	
DIMENSION: Meter	DRAWING NO.: S R O P - J Y P - 2 1 5 - 1	
JICA –	PT. Aneka Asia Buana	

DRAWN BY AAB

APPROVED BY JICA



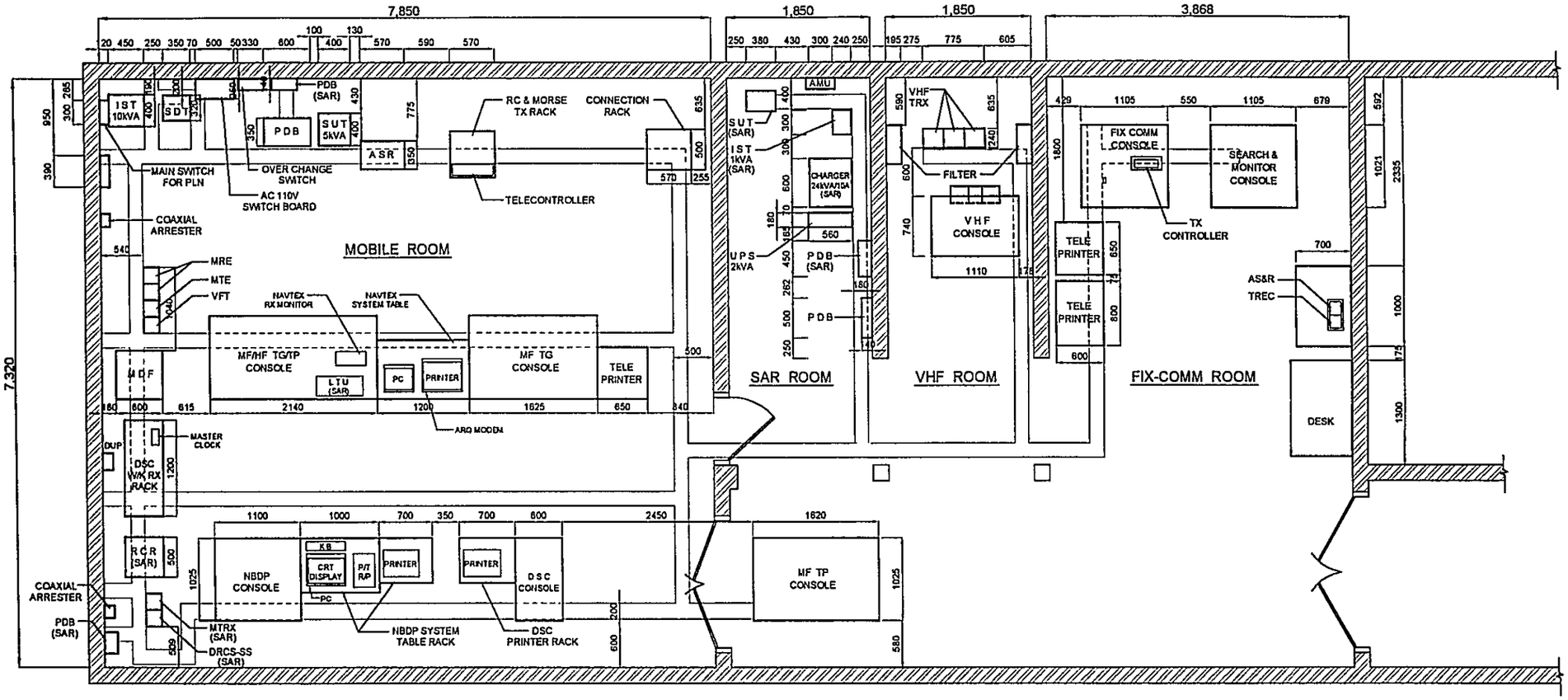
LEGEND

ANT : ANTENNA
BC : BROWN CARDIOIC
CH : CHANNEL
DD : DOUBLET DOUBLET
IL : INVERTED - L
VHF : VERY HIGH FREQUENCY

DATE: July 18, 2001	DRAWING TITLE: ANTENNA LAYOUT FOR RX STATION	SHEET NO.: 1/1
SCALE: 1 : 300	SITE NAME: JAYAPURA	
DIMENSION: Milimeter	DRAWING NO.: SROP-JYP-215-2R	

JICA – PT. Aneka Asia Buana

DRAWN BY AAB: APPROVED BY JICA:

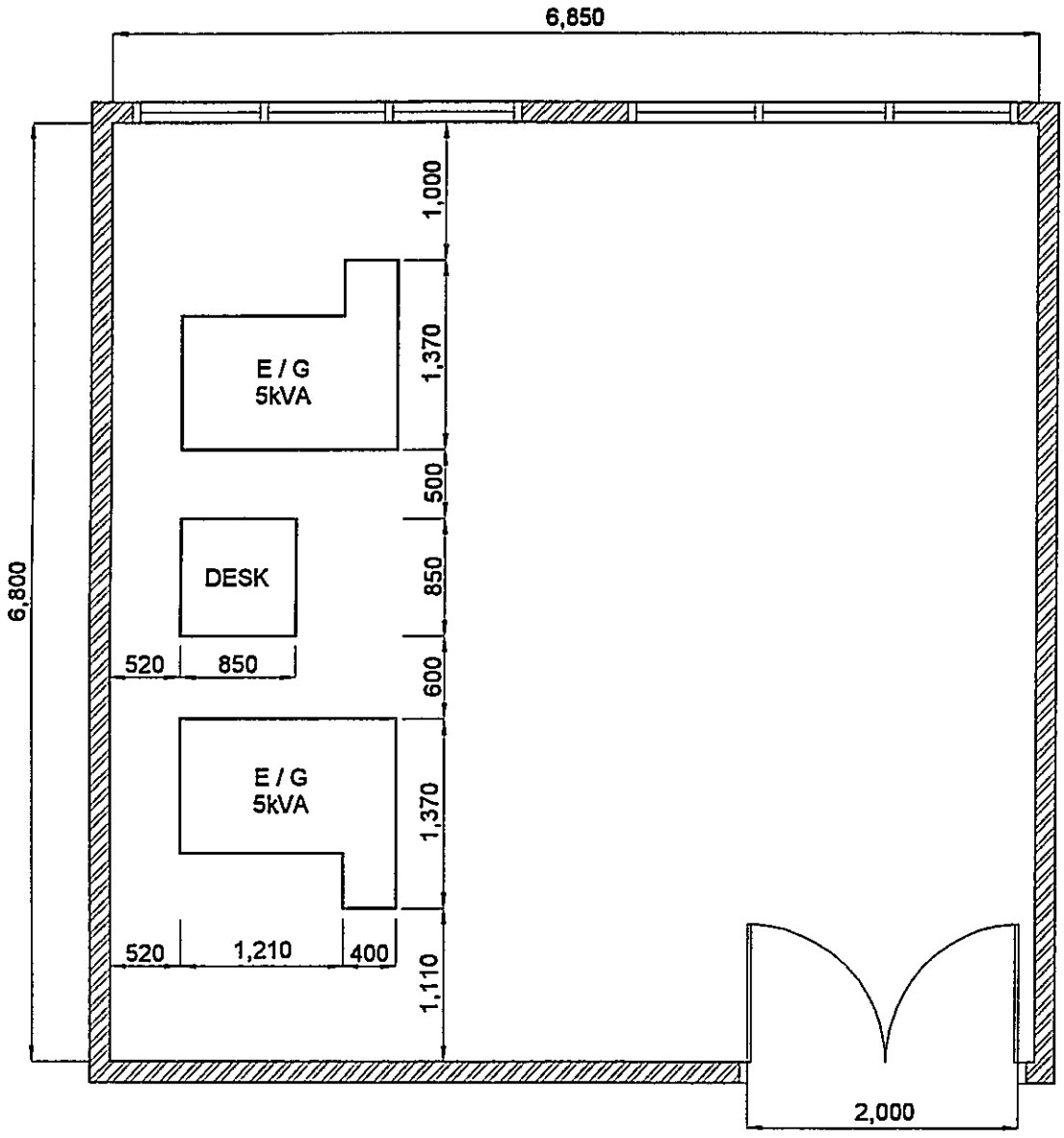


LEGEND

AMU	: ANTENNA MATCHING UNIT	MTE	: MULTIPLEXER TERMINAL EQUIPMENT
ASR	. ANTENNA SELECTOR RACK	NBDP	: NARROW - BAND DIRECT - PRINTING
AS&M	: AUDIO SELECT & MONITOR	PDB	: POWER DISTRIBUTION BOARD
CEU	: CENTRAL EXCHARGER UNIT	RCR	: REMOTE CONTROL RACK
DUP	: DUPLEXER	SDT	: STEP - DOWN TRANSFORMER
DSC	: DIGITAL SELECTIVE CALLING	SUT	: STEP - UP TRANSFORMER
FIX	: FIX COMMUNICATION	TG	: TELEGRAPHY
HF	: HIGH FREQUENCY	TP	: TELEPHONY
IST	: ISOLATION TRANSFORMER	TREC	: TAPE RECORDER
kVA	: KILO VOLT AMPERE	TRX	: TRANSCEIVER
MF	: MEDIUM FREQUENCY	UPS	: UNINTERRUPTED POWER SUPPLY
MDF	: MAIN DISTRIBUTION BOARD	VFT	: VOICE FREQUENCY TELEGRAPH
MRE	: MULTIPLEXER RADIO EQUIPMENT	VHF	: VERY HIGH FREQUENCY

DRAWN BY AAB: APPROVED BY JICA:

DATE: July 17, 2001	DRAWING TITLE: EQUIPMENT FLOOR LAYOUT FOR RX STATION	SHEET NO.: 1/1
SCALE: 1 : 60	SITE NAME: JAYAPURA	
DIMENSION: Milimeter	DRAWING NO.: SROP-JYP-215-3R	
JICA –	PT. Aneka Asia Buana	



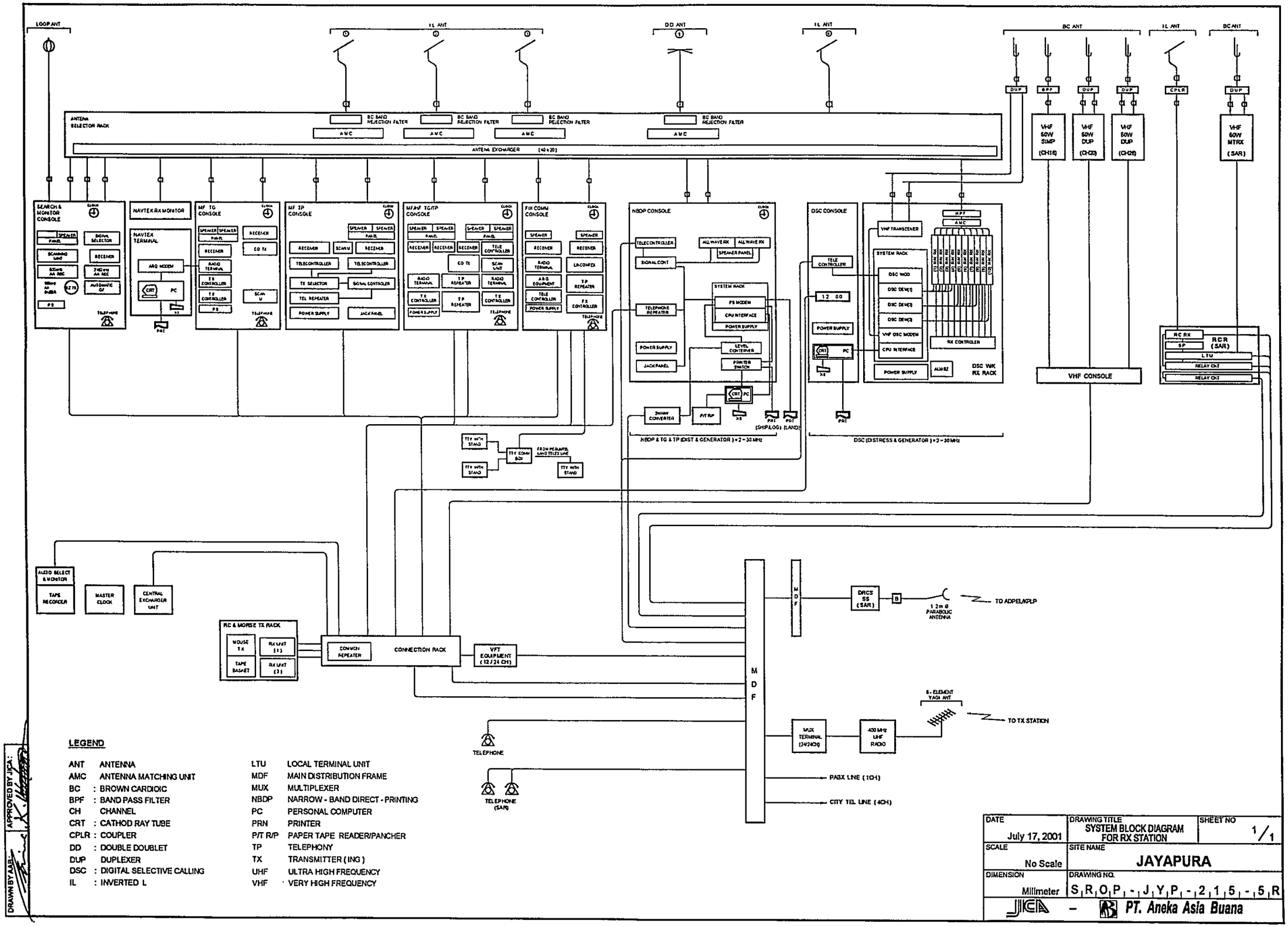
LEGEND

E/G : ENGINE GENERATOR
kVA : KILO VOLT AMPERE

DATE: July 17, 2001	DRAWING TITLE: E/G FLOOR LAYOUT FOR RX STATION	SHEET NO.: 1/1
SCALE: 1 : 50	SITE NAME: JAYAPURA	
DIMENSION: Milimeter	DRAWING NO.: SROP-JYP-215-4R	
JICA – PT. Aneka Asia Buana		

APPROVED BY JICA

DRAWN BY AAB



LEGEND

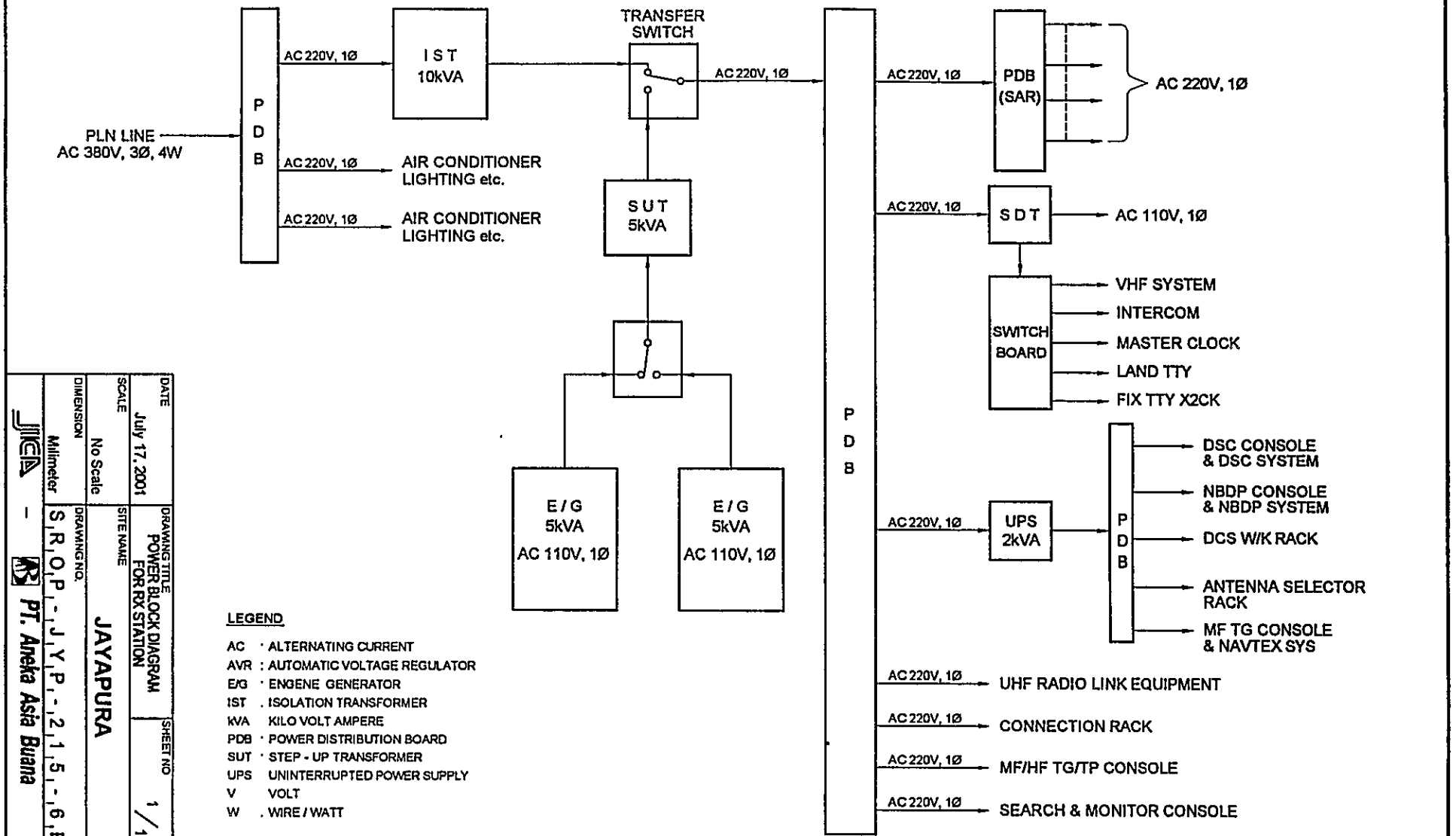
ANT	ANTENNA	LTU	LOCAL TERMINAL UNIT
AMC	ANTENNA MATCHING UNIT	MDF	MAIN DISTRIBUTION FRAME
BC	: BROWN CARDIOIC	MUX	MULTIPLEXER
BPF	: BAND PASS FILTER	NBDP	NARROW - BAND DIRECT - PRINTING
CH	CHANNEL	PC	PERSONAL COMPUTER
CRT	: CATHOD RAY TUBE	PRN	PRINTER
CPLR	: COUPLER	P/T R/P	PAPER TAPE READER/PANCHER
DD	: DOUBLE DOUBLET	TP	TELEPHONY
DUP	DUPLEXER	TX	TRANSMITTER (ING)
DSC	: DIGITAL SELECTIVE CALLING	UHF	ULTRA HIGH FREQUENCY
IL	: INVERTED L	VHF	VERY HIGH FREQUENCY

APPROVED BY JICA :

DRAWN BY AAB :

DATE: July 17, 2001	DRAWING TITLE: SYSTEM BLOCK DIAGRAM FOR RX STATION	SHEET NO: 1/1
SCALE: No Scale	SITE NAME: JAYAPURA	
DIMENSION: Millimeter	DRAWING NO.: SROP-JYP-2155-5R	
JICA – PT. Aneka Asia Buana		

DRAWN BY AAB | APPROVED BY JICA

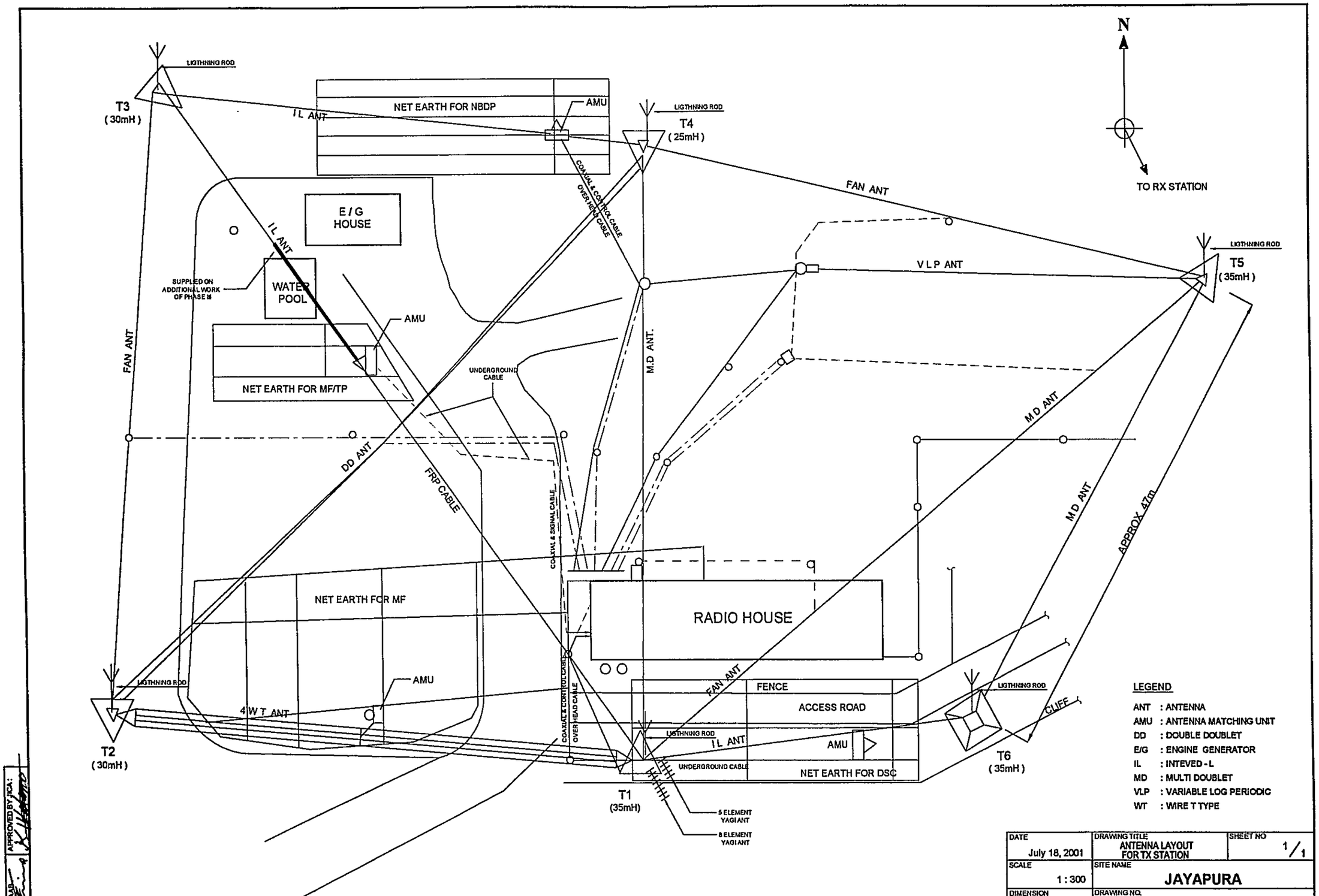


LEGEND

AC	: ALTERNATING CURRENT
AVR	: AUTOMATIC VOLTAGE REGULATOR
E/G	: ENGENE GENERATOR
IST	: ISOLATION TRANSFORMER
kVA	KILO VOLT AMPERE
PDB	: POWER DISTRIBUTION BOARD
SUT	: STEP - UP TRANSFORMER
UPS	UNINTERRUPTED POWER SUPPLY
V	VOLT
W	: WIRE / WATT

JICA – PT. Aneka Asia Buana

DIMENSION	Milimeter
SCALE	No Scale
DATE	July 17, 2001
DRAWING NO.	SROP-JYP-215-6R
SITE NAME	JAYAPURA
DRAWING TITLE	POWER BLOCK DIAGRAM FOR RX STATION
SHEET NO	1/1



LEGEND

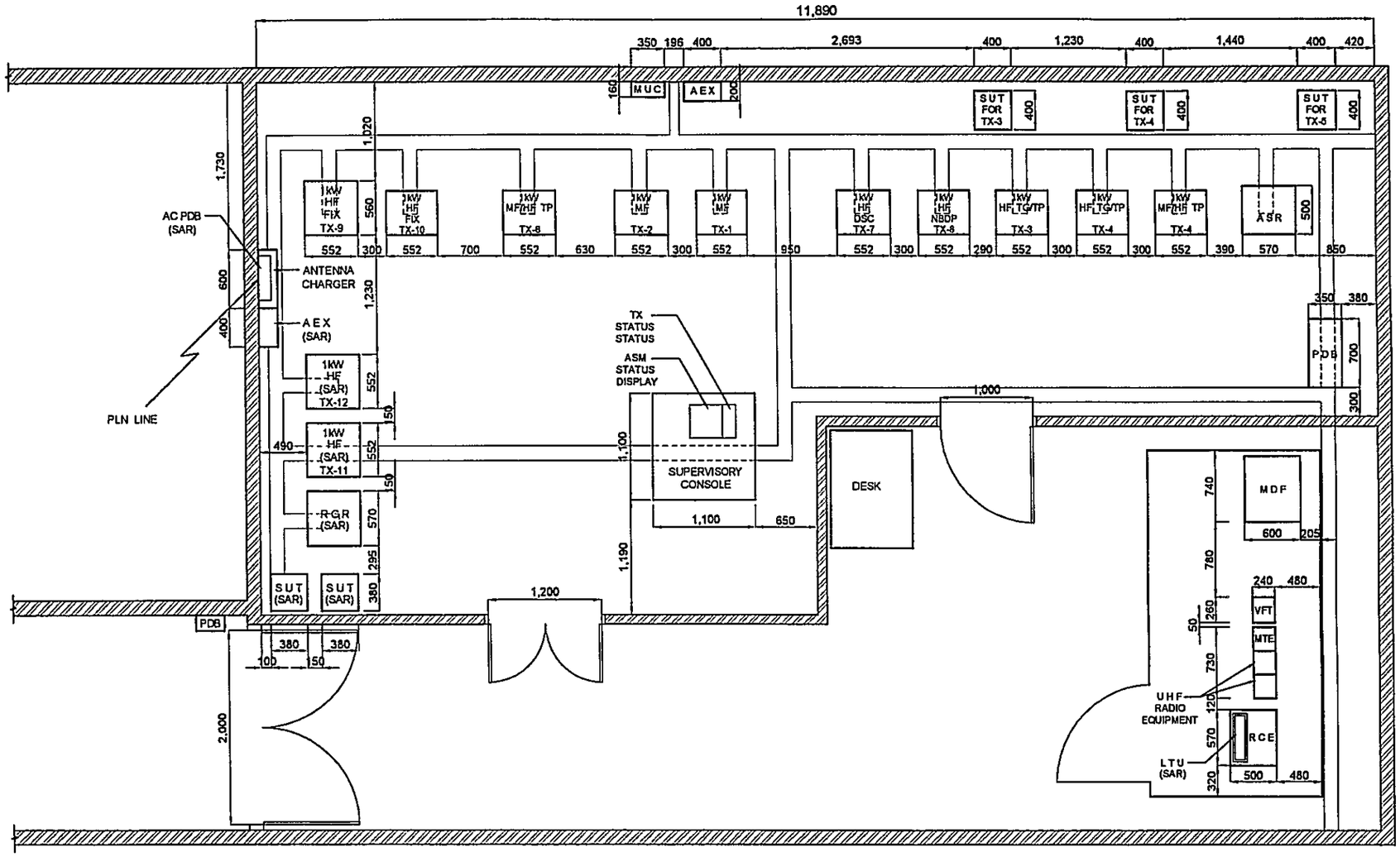
ANT	: ANTENNA
AMU	: ANTENNA MATCHING UNIT
DD	: DOUBLE DOUBLET
E/G	: ENGINE GENERATOR
IL	: INTEVED - L
MD	: MULTI DOUBLET
VLP	: VARIABLE LOG PERIODIC
WT	: WIRE T TYPE

DRAWN BY AAB

APPROVED BY JICA:

DATE: July 18, 2001	DRAWING TITLE: ANTENNA LAYOUT FOR TX STATION	SHEET NO: 1/1
SCALE: 1 : 300	SITE NAME: JAYAPURA	
DIMENSION: Milimeter	DRAWING NO.: SROP-JYP-215-2T	

JICA – PT. Aneka Asia Buana



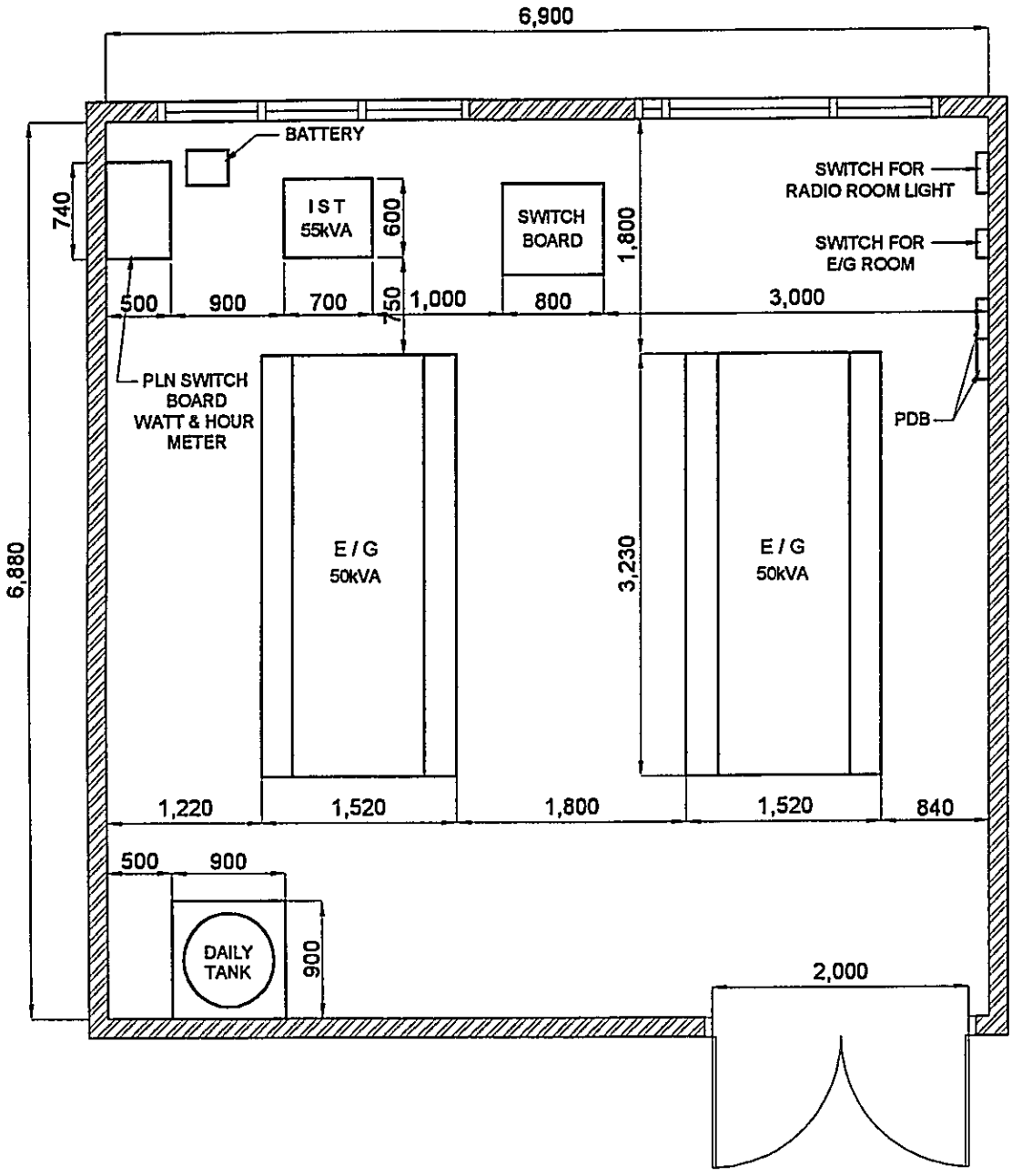
LEGEND

AEX	: ANTENNA EXCHARGER	NBDP	: NARROW - BAND DIRECT - PRINTING
ASR	: ANTENNA SWITCH MATRIX	PDB	: POWER DISTRIBUTION BOARD
DSC	: DIGITAL SELECTIVE CALLING	RCE	: REMOTE CONTROL EQUIPMENT
FIX	: FIX COMMUNICATION	RCR	: REMOTE CONTROL RADIO
HF	: HIGH FREQUENCY	SUT	: STEP - UP TRANSFORMER
LTU	: LOCAL TERMINAL UNIT	TG	: TELEGRAPHY
MF	: MEDIUM FREQUENCY	TP	: TELEPHONY
MDF	: MAIN DISTRIBUTION FRAME	TX	: TRANSMITTER
MTE	: MULTIPLEX TERMINAL EQUIPMENT	UHF	: ULTRA HIGH FREQUENCY
MUC	: MATCHING UNIT CONTROL	VFT	: VOICE FREQUENCY TELEGRAPH

DRAWN BY AAB

APPROVED BY JICA :

DATE: July 17, 2001	DRAWING TITLE: EQUIPMENT FLOOR LAYOUT FOR TX STATION	SHEET NO.: 1/1
SCALE: 1 : 50	SITE NAME: JAYAPURA	
DIMENSION: Milimeter	DRAWING NO.: SROP-JYP-215-3T	
JICA –	PT. Aneka Asia Buana	



LEGEND

E/G : ENGINE GENERATOR
IST : ISOLATION TRANSFORMER
kVA : KILO VOLT AMPERE
PDB : POWER DISTRIBUTION BOARD

DATE: July 17, 2001	DRAWING TITLE: E/G FLOOR LAYOUT FOR TX STATION	SHEET NO: 1/1
SCALE: 1 : 50	SITE NAME: JAYAPURA	
DIMENSION: Milimeter	DRAWING NO.: SROP-JYP-215-4T	
JICA –	PT. Aneka Asia Buana	

APPROVED BY AICA

DRAWN BY AAB

MOBILE SERVICE ⟸⟹ FIXED SERVICE

4WT ANT ①
MUC — AMU
ANTENNA EXCHANGER
1kW MF TG/ NAVTEX TX1
1kW MF TG/ NAVTEX TX2

IL ANT ② ⑪ ⑩
AMU AMU AMU
ANTENNA CHANGER
1kW MF/HF TP TX6
1kW MF/HF TP TX5
1kW DSC TX7
1kW NBDP TX8

MD ANT ③ ⑤ ⑥ ④
FAN ANT ⑨ ⑧ ⑦
B/T B/T B/T B/T B/T B/T B/T
ANTENNA SWITCH RACK
ANTENNA SWITCH (8x8)
1kW MF/HF TG/TP TX3
1kW HF TG/TP TX4
1kW HF FIX TX10
1kW HF FIX TX9

VLP ANT ⑫
B/T

MD ANT ⑬
B/T
ANTENNA EXCHANGER
1kW HF (SAR) TX11
1kW HF (SAR) TX12
LOCAL TERMINAL UNIT
REMOTE CONTROL RACK (SAR)

DUMMY LOAD

SUPERVISORY CONSOLE
SPEAKER PANEL
RECEIVER
POWER SUPPLY
TX STATUS DISPLAY
ANT MATRIX STATUS DISPLAY PANEL
CLOCK
INDEPENDENT
TELEPHONE

LOCAL TERMINAL UNIT (1)
LOCAL TERMINAL UNIT (2)
LOCAL TERMINAL UNIT (3)
LOCAL TERMINAL UNIT (4)
REMOTE CONTROL RACK

VFT EQUIPMENT (12/24CH)

M D F

MUX TERMINAL (24/24CH)

UHF RADIO 400MHz

8 ELEMENT YAGI ANT

TO RX STATION

LEGEND

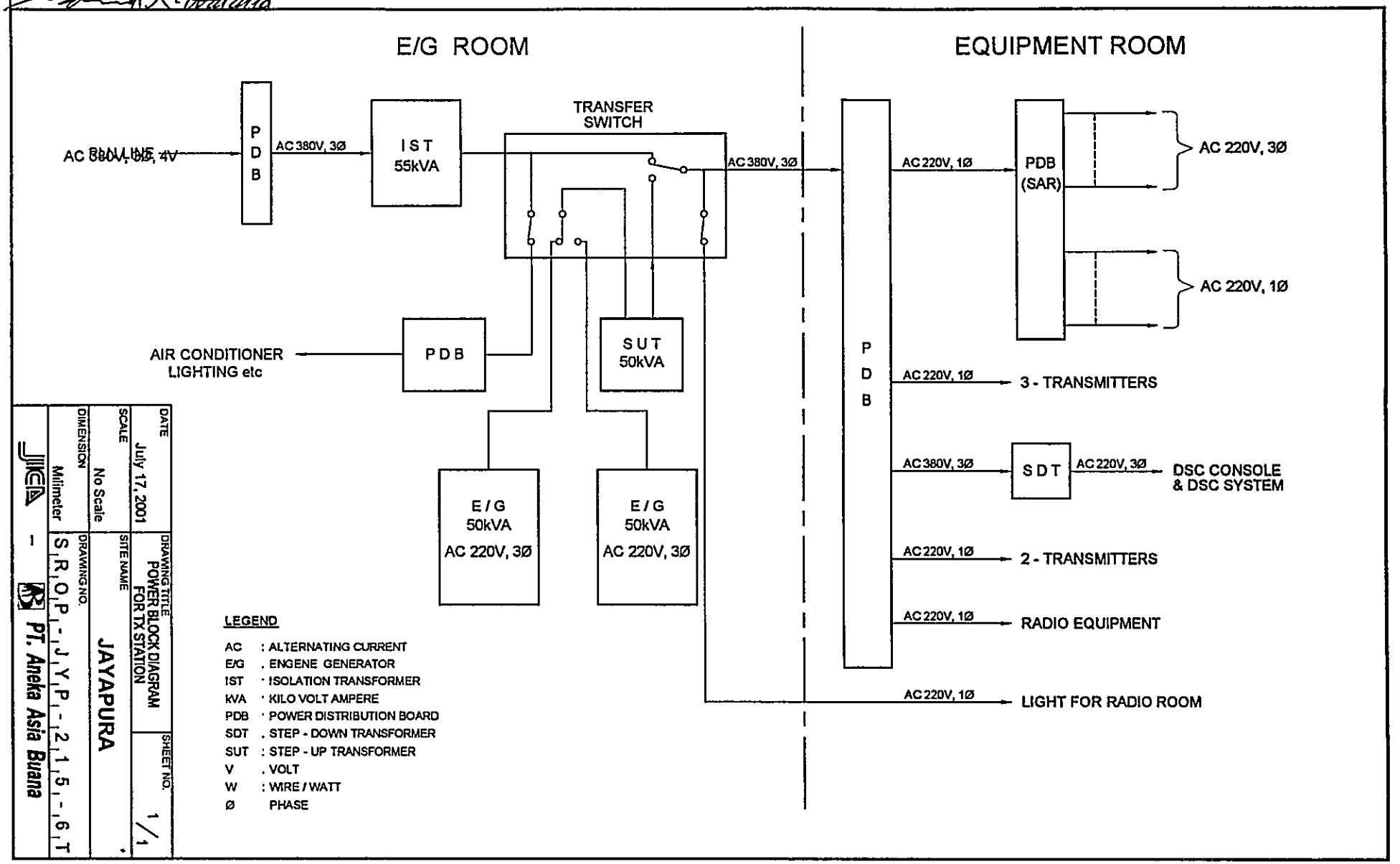
ANT : ANTENNA
AMU : ANTENNA MATCHING UNIT
AMC : AUTOMATIC MATCHING CONTROL
B/T : BALUNTS TRANS
DSC : DIGITAL SELECTIVE CALLING
FIX : FIX COMMUNICATION
HF : HIGH FREQUENCY
IL : INVERTED L
MD : MULTI DOUBLET
MF : MEDIUM FREQUENCY
MDF : MAIN DISTRIBUTION FRAME
MUX : MULTIPLEXER
NBDP : NARO - BAND DIRECT - PRINTING
TG : TELEGRAPHY
TP : TELEPHONY
TX : TRANSMITTER
UHF : ULTRA HIGH FREQUENCY
VFT : VOICE FREQUENCY TELEGRAPH
VLP : VARIABLE LOG PERIODIC
WT : WIRE T TYPE

APPROVED BY JICA
DRAWN BY AAB

DATE: July 17, 2001	DRAWING TITLE: SYSTEM BLOCK DIAGRAM FOR TX STATION	SHEET NO: 1/1
SCALE: No Scale	SITE NAME: JAYAPURA	
DIMENSION: Millimeter	DRAWING NO.: SROP-JYP-215-5T	

JICA – PT. Aneka Asia Buana

DRAWN BY AAB | APPROVED BY JICA :



LEGEND

AC	: ALTERNATING CURRENT
E/G	. ENGENE GENERATOR
IST	: ISOLATION TRANSFORMER
kVA	: KILO VOLT AMPERE
PDB	: POWER DISTRIBUTION BOARD
SDT	. STEP - DOWN TRANSFORMER
SUT	: STEP - UP TRANSFORMER
V	. VOLT
W	: WIRE / WATT
Ø	PHASE

DATE	July 17, 2001
SCALE	No Scale
DIMENSION	Milimeter
DRAWING TITLE	POWER BLOCK DIAGRAM FOR TX STATION
SITE NAME	JAYAPURA
DRAWING NO.	SROP-JYP-215-6T
SHEET NO.	1/1

JICA

PT. Aneka Asia Buana